Microsoft

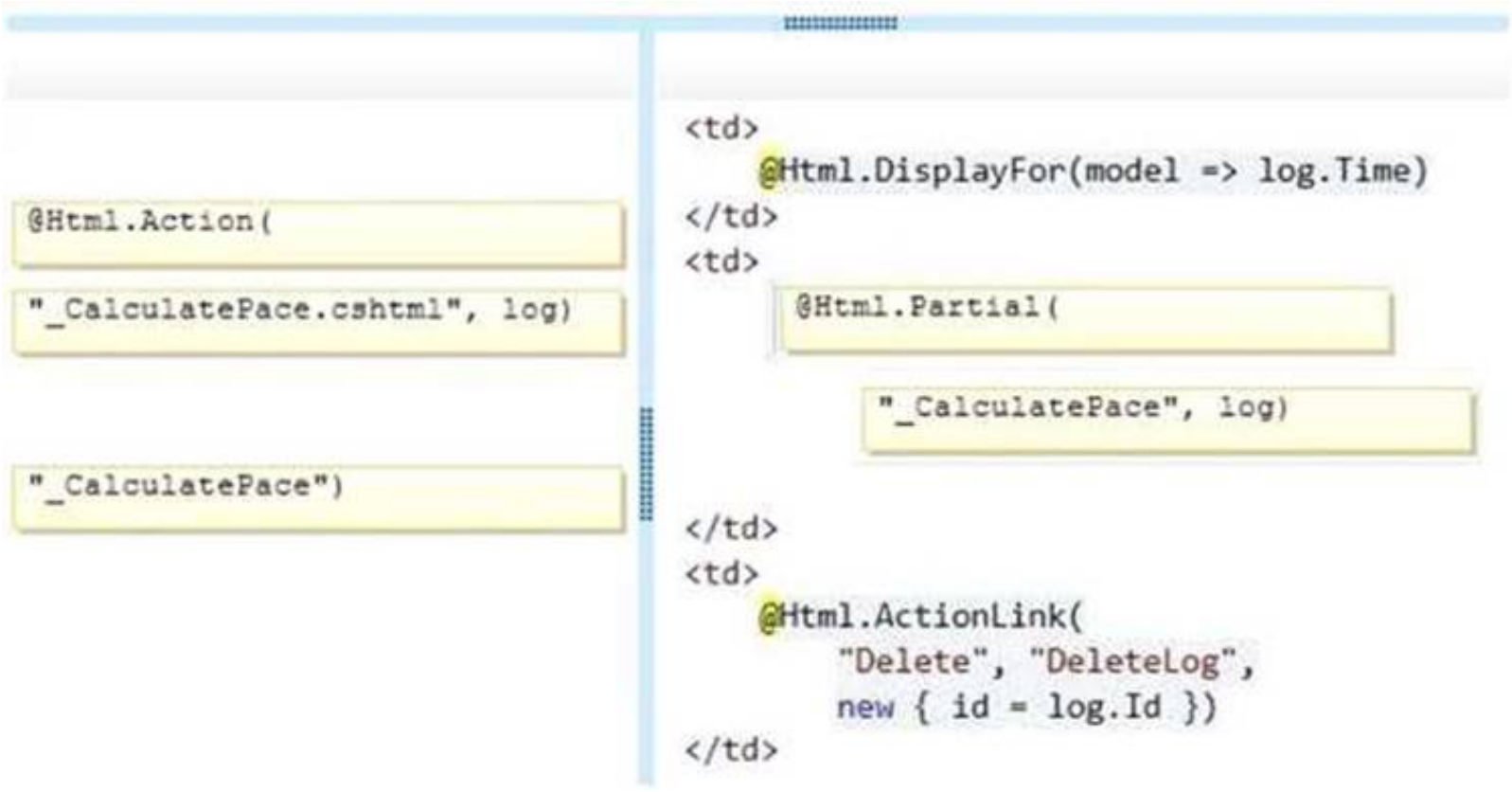
Exam Questions 70-486

Developing ASP.NET MVC 4 Web Applications

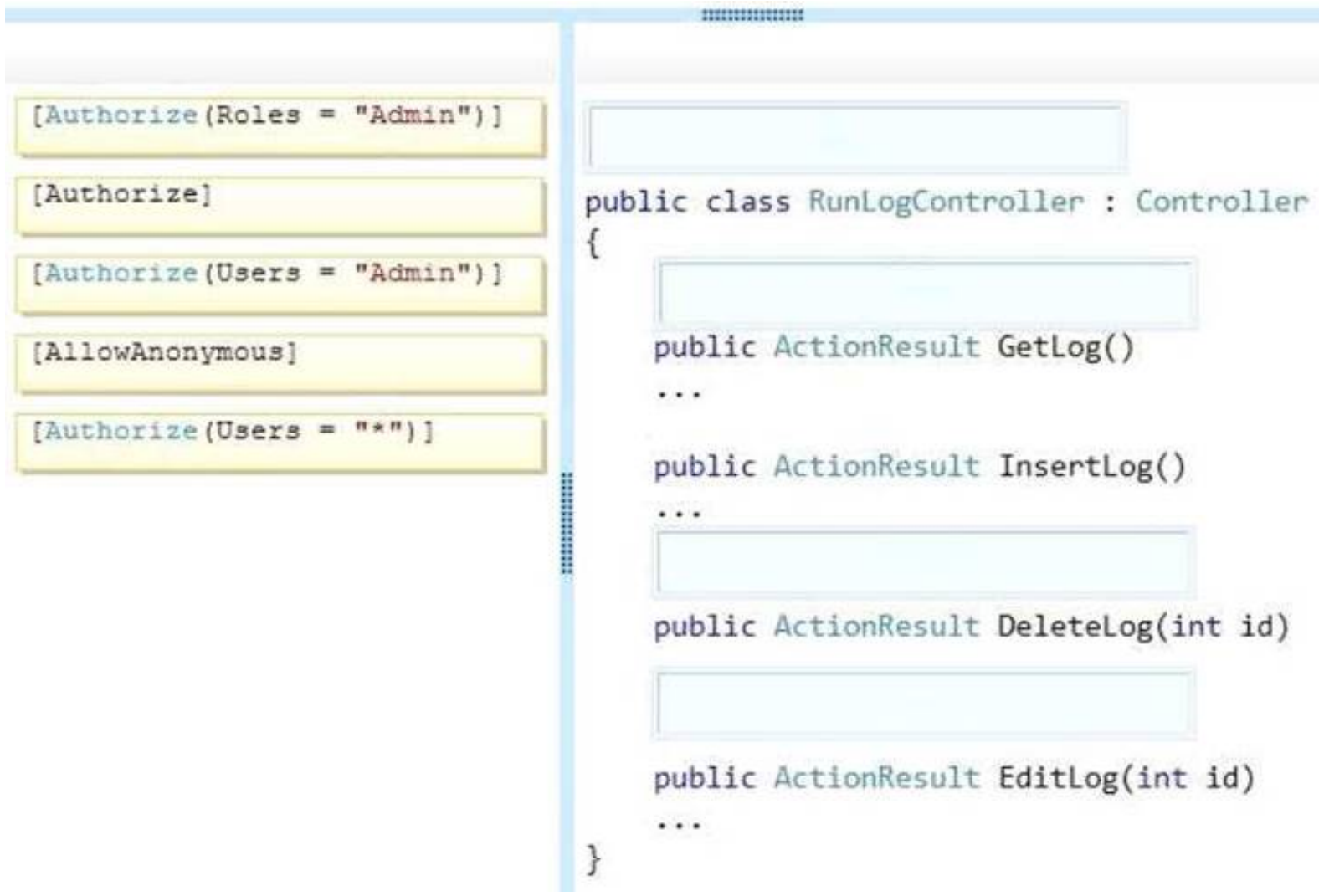
NEW QUESTION 1
DRAG DROP
You need to implement the Views\RunLog_CalculatePace.cshtml partial view from Views\Runlog
\GetLog.cshtml to display the runner's average mile pace.
How should you implement the view? (To answer, drag the appropriate code segments to the correct location or locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Answer:

Explanation:

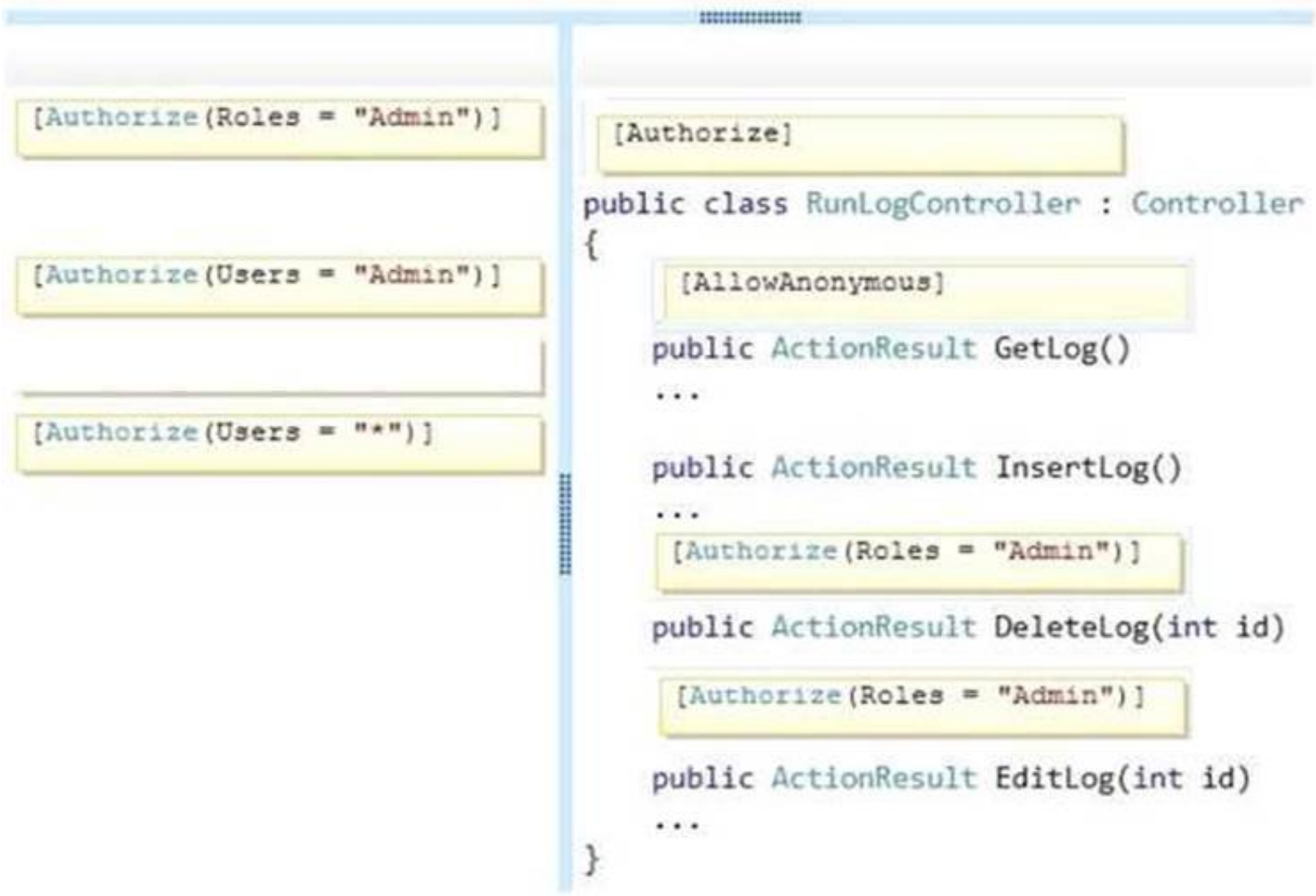


NEW QUESTION 2
DRAG DROP
You need to implement security according to the business requirements.
How should you modify RunLogController? (To answer, drag the appropriate code segment to the correct location or locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)



Answer:

Explanation:



NEW QUESTION 3
You need to make the "Distance" header of the table bold in the Views/RunLog/GetLog.cshtml view. Which code segment should you use?

A. table>tr{ font-weight: bold; }
B. table>th:last-child{ font-weight: bold; }
C. table+first-child{ font-weight: bold; }
D. table>tr>th:nth-child (2) { font-weight: bold; }

Answer: D

NEW QUESTION 4
You need to extend the edit functionality of RunLogController.

Which code segment should you use?

A.
```
[HttpGet]
[ActionName("EditLog")]
[ValidateAntiForgeryToken]
public ActionResult EditLog(LogModel log)
{
   ...
}
```

B.
```
[HttpPost]
[ActionName("EditLog")]
public ActionResult EditLogValidated(LogModel log)
{
   ...
}
```

C.
```
[HttpPost]
[ActionName("EditLog")]
[ValidateAntiForgeryToken]
public ActionResult EditLogValidated(LogModel log)
{
   ...
}
```

D.
```
[HttpPost]
[ActionName("EditLog")]
[RequireHttps]
public ActionResult EditLogValidated(LogModel log)
{
   ...
}
```

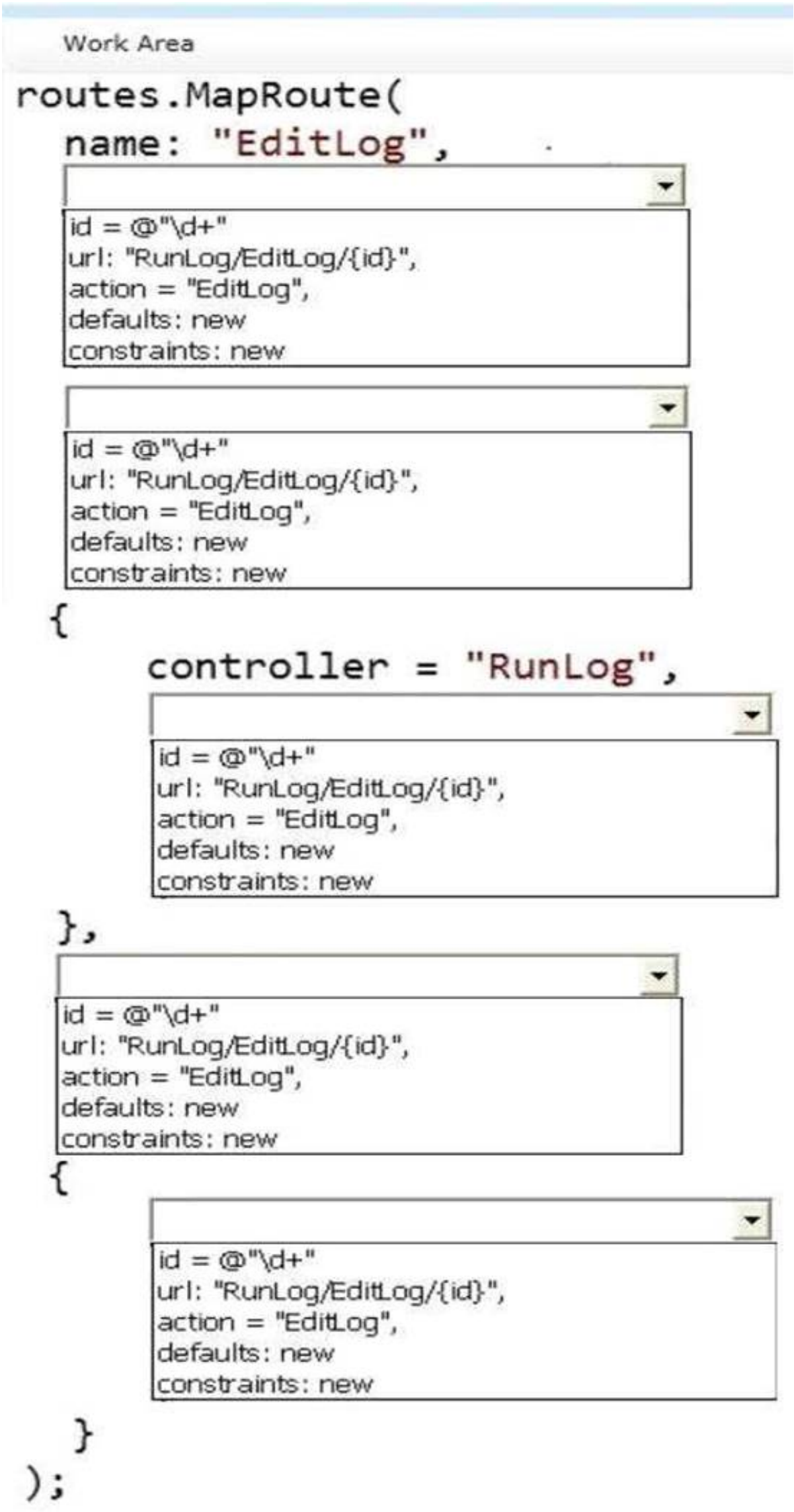
A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

NEW QUESTION 5
You need to ensure that only valid parameters are passed to the EditLog action.
How should you build the route? (To answer, select the appropriate options in the answer area.)

Work Area

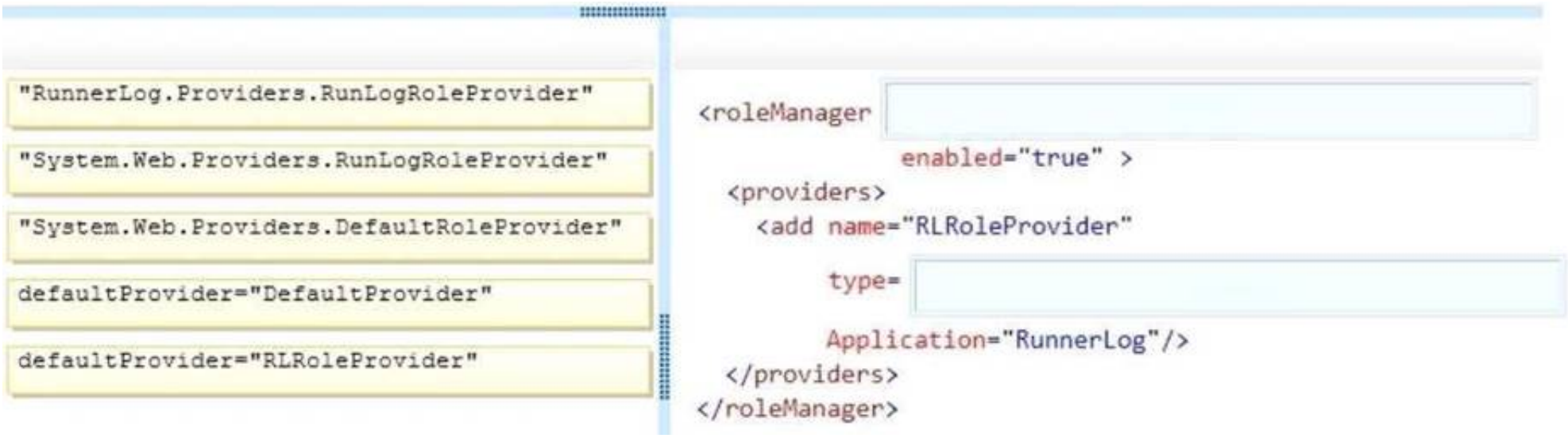
```
routes.MapRoute(
    name: "EditLog",
    [                                    ▼]
    [                                    ▼]
    {
        controller = "RunLog",
        [                                ▼]
    },
    [                                    ▼]
    {
        [                                ▼]
    }
);
```



Answer:

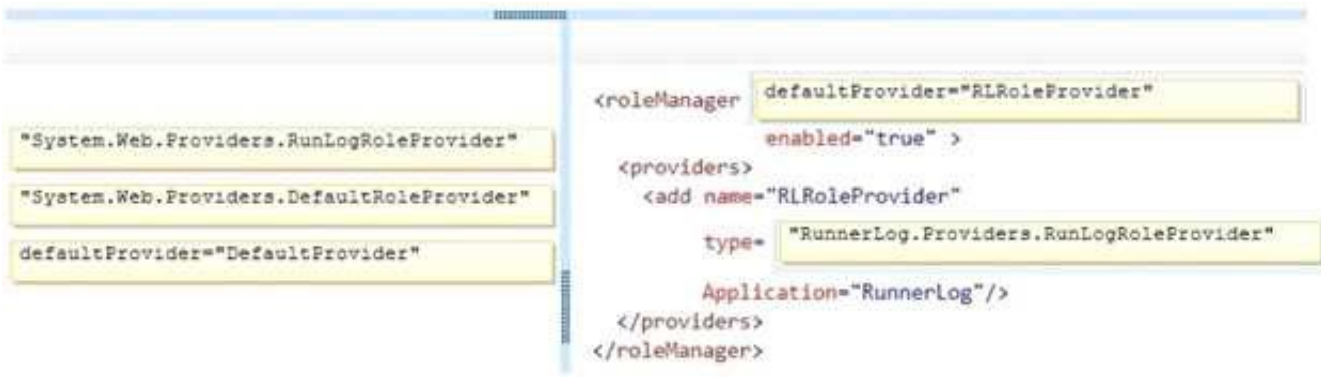
Explanation:

NEW QUESTION 6
DRAG DROP
You need to ensure that the application uses RunLogRoleProvider custom role provider.
How should you modify the web.config file? (To answer, drag the appropriate line of code to the correct location or locations. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

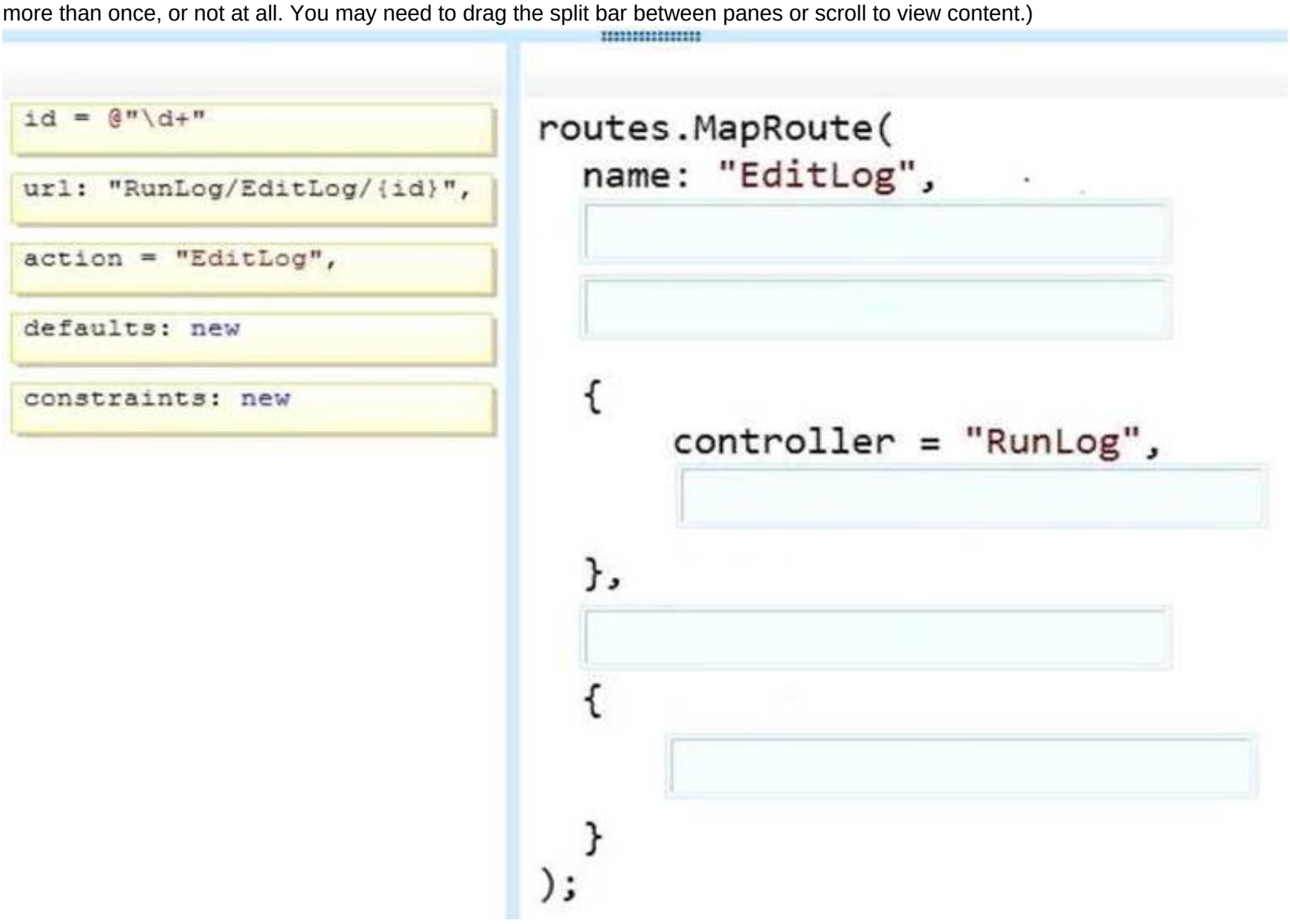


Answer:

Explanation:



NEW QUESTION 7
DRAG DROP
You need to ensure that only valid parameters are passed to the EditLog action.
How should you build the route? (To answer, drag the appropriate code segments to the correct location or locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)



Answer:

Explanation:

```
routes.MapRoute(
   name: "EditLog",
   url: "RunLog/EditLog/{id}",
   defaults: new
   {
        controller = "RunLog",
        action = "EditLog",
   },
   constraints: new
   {
        id = @"\d+"
   }
);
```

NEW QUESTION 8
You need to add an action to RunLogController to validate the users' passwords.
Which code segment should you use?

A.
```
public ActionResult Login(string username, string password)
{
  byte[] buffer = Encoding.UTF8.GetBytes(password + username);
  byte[] hash = MD5.Create().ComputeHash(buffer);
  ComparePassword(username, hash);
  return ContextDependentView();
}
```

B.
```
[RequireHttps]
public ActionResult Login(string username, string password)
{
  byte[] buffer = Encoding.UTF8.GetBytes(password + username);
  byte[] hash = SHA1.Create().ComputeHash(buffer);
  ComparePassword(username, hash);
  return ContextDependentView();
}
```

C.
```
public ActionResult Login(string username, string password)
{
  byte[] buffer = Encoding.UTF8.GetBytes(password + username);
  byte[] hash = SHA1.Create().ComputeHash(buffer);
  ComparePassword(username, hash);
  return ContextDependentView();
}
```

D.
```
[RequireHttps]
public ActionResult Login(string username, string password)
{
  byte[] buffer = Encoding.UTF8.GetBytes(password + username);
  byte[] hash = MD5.Create().ComputeHash(buffer);
  ComparePassword(username, hash);
  return ContextDependentView();
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 9
You need to make all of the rows in the table bold in the Views/RunLog/GetLog.cshtml view. Which code segment should you use?

A. Table > th:last-child { font-weight: bold; }
B. Table+first-child{ font-weight: bold; }
C. Table>tr>th:nth-child{2){font-weight: bold; }
D. Table > tr {font-weight: bold;}

Answer: D

NEW QUESTION 10
You need to display the "miles" unit description after the distance in the GetLog view.
Which line of code should you use to replace line GL21? (Each correct answer presents a complete solution. Choose all that apply.)

A. @log.Distance miles
B. @Htrml.DisplayFor(model => log.Distance) miles
C. @log.Distance.ToString() @Html.TextArea("miles")
D. @Html.DisplayFor(model => log.Distance.ToString() + " miles")

Answer: AB

NEW QUESTION 10
The RunLog/Views/InsertLog.cshtml view must display the /Images/stopwatch.png image and the “Insert Run Data” header text below the image. The view should resemble the exhibit. (Click the Exhibit button.)

The application must display the image above the field set.
You need to add the HTML code to /Runlog/Views/InsertLog.cshtml to display the image and header text.
Which code segment should you use?

A.
```
<h2>
  Insert Run Data
</h2>
<div>
  <img src="../Images/StopWatch.png"/>
</div>
```

B.
```
<div style="background: url('../Images/StopWatch.png');">
  <h2>Insert Run Data</h2>
</div>
```

C.
```
<div style="width: 130px; height: 100px;">
  <a href="../Images/StopWatch.png"></a>
</div>
<h2>
  Insert Run Data
</h2>
```

D.
```
<div style="width: 130px; height: 100px; background: url
('../Images/StopWatch.png');">
</div>
<h2>
  Insert Run Data
</h2>
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

Explanation: Example:
Example of a DIV element with a background image:

Reference: DIV BACKGROUND-IMAGE in the STYLE element
http://www.w3.org/WAI/UA/TS/html401/cp0301/0301-CSS-DIV-BACKGROUND-IMAGE.html

NEW QUESTION 12
The date of the run must be displayed in Views\Runlog\GetLog.cshtml. The timestamp must not be displayed.
You need to display the date of the run according to the business requirements. Which code segment should you use?

A. @Html.DisplayFor(model => log.ShortDate)
B. @log.RunDate.ToString()
C. @log.RunDate.ToShortDateString()
D. @Html.DisplayFor(model => log.RunDate)

Answer: A

Explanation: The log file has the ShortDate function which is defined as: Return RunDate.ToLocalTime().ToShortDateString();
This meets the requirement. Note:
Scenario:
* The application uses the \Models\LogModel.cs model.
* The Html.DisplayFor method is typically used to display values from the object that is exposed by the Model property.

The DisplayExtensions.DisplayFor<TModel, TValue> method (HtmlHelper<TModel>, Expression<Func<TModel, TValue>>)
Returns HTML markup for each property in the object that is represented by the Expression expression.
Incorrect:
Not D: The RunDate attribute is defined as DateTime, but the timestamp (the time of day), should not be displayed.
References:
https://msdn.microsoft.com/en-us/library/system.web.mvc.html.displayextensions.displayfor(v=vs.118).aspx

Case Study: 2, Web Application
Background
You are developing an online shopping web application. Business Requirements
? A user is not required to provide an email address. If a user enters an email address, it must be verified to be a valid email address.
? Information about the first product on the product page must fade out over time to
encourage the user to continue browsing the catalog.
? Administrators must be able to edit information about existing customers.
? Administrators also must be able to specify a default product on the product page.
Technical Requirements General:
? The web store application is in a load-balanced web farm. The load balancer is not configured to use server affinity.
? The web store application is an ASP.NET MVC application written in Visual Studio 2012.
Products:
? The value of the productId property must always be greater than 0.
? The Products page for mobile devices must display to mobile users. The Products page for desktop devices must display to desktop users.
Storage:
? The data must be stored in a serialized XML data format.
? Serialized objects must be schema-independent.
Exception handling:
? Exceptions originating from IIS must display a page with support contact information.
? Some page links expire, and users who access these links encounter 404 errors.
? Exceptions must be logged by using the WriteLog method of the Utility class.
Browser and device support:
? The application must support image format conversions from .bmp to .jpeg for mobile devices.
? The application must support image format conversions from .bmp to .png for desktop devices.
Application Structure

MvcApplication / Global.asax

```
public class MvcApplication : HttpApplication
{
  public static string DefaultProduct { get; set; }

  public static void RegisterRoutes(RouteCollection routes)
  {
    routes.IgnoreRoute("{resource}.axd/{*pathInfo}");

    routes.MapRoute(
        "",
        "{controller}/{action}/{productName}",
        new { action = "Show", productName = DefaultProduct });
  }
}
```

ProductController.cs

```
public class ProductController : Controller
{
  [HttpGet]
  public Product GetDealPrice(int productId)
  {
    ...
  }

  public ActionResult Show(string productName)
  {
    var price = DataLoader.GetProductPrice(productName);
    return View(new { productName, price });
  }
}
```

DataLoader.cs

```
public class DataLoader
{
  public static string GetProductPrice(string productName)
  {
    var currencySymbol = CultureInfo.CurrentCulture.NumberFormat.CurrencySymbol;
    var product = InternalLoad().FirstOrDefault(x => x.Name == productName);
    return currencySymbol + product.Price;
  }

  private static IEnumerable<Product> InternalLoad()
  {
    ...
  }
}
```

Customer.cs

```
public class Customer
{
  const string EmailRegex = @"($^)|([A-Za-z0-9_\.-]*@[A-Za-z0-9-]*\.[A-Za-z]*)";
  const string EmailErrorMessage = "Please enter a valid email address";

  public string Email { get; set; }
  public string Name { get; set; }
}
```

Customer.cs

```
public class Customer
{
   const string EmailRegex = @"($^)|([A-Za-z0-9_\.-]*@[A-Za-z0-9-]*\.[A-Za-z]*)";
   const string EmailErrorMessage = "Please enter a valid email address";

   public string Email { get; set; }
   public string Name { get; set; }
}
```

Product.cs

```
public class Product
{
   public string ProductId { get; set; }
   public string Name { get; set; }
   public decimal Price { get; set; }
}
```

ImageConverter.cs

```
public class ImageConverter : MvcHandler
{
   private void WriteImage(HttpResponse response, string format)
   {
      ...
   }
}
```

web.config

```
<?xml version="1.0" encoding="utf-8"?>
```

web.config

```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <appSettings>
    <add key="PreserveLoginUrl" value="true" />
    <add key="ClientValidationEnabled" value="true" />
    <add key="UnobtrusiveJavaScriptEnabled" value="true" />
  </appSettings>
  <system.web>
    <compilation debug="true" targetFramework="4.5" />
    <httpRuntime targetFramework="4.5"
 encoderType="System.Web.Security.AntiXss.AntiXssEncoder,
 System.Web, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a" />
    <machineKey compatibilityMode="Framework45" />
    <sessionState mode="..." customProvider="DefaultSessionProvider">
      <providers>
        <add name="DefaultSessionProvider"
 type="System.Web.Providers.DefaultSessionStateProvider,
 System.Web.Providers, Version=1.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35
"  connectionStringName="DefaultConnection" applicationName="/" />
      </providers>
    </sessionState>
  </system.web>
  <system.webServer>
    <validation validateIntegratedModeConfiguration="false" />
    <modules runAllManagedModulesForAllRequests="true" />
  </system.webServer>
</configuration>
```

NEW QUESTION 17
You need to ensure that new customers enter a valid email address.
Which code should you use? (Each correct answer presents part of the solution. Choose all that apply.)

A.
```
[RegularExpression (emailPattern, ErrorMessage = EmailErrorMessage)]
[DataType(DataType.EmailAddress)]
public string Email { get; set; }
```

B.
```
[RegularExpression(EmailRegex, ErrorMessage = EmailErrorMessage,
 ErrorMessageResourceType = DataType.EmailAddress)]
[ComplexType]
public string Email { get; set; }
```

C.
```
<%: Html.Raw(m => m.Email) %>
```

D.
```
<%: Html.TextBoxFor(m => m.Email) %>
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: AD

NEW QUESTION 22
You need to add a method to the ProductController class to meet the exception handling requirements for logging.
Which code segment should you use?

A.
```
protected override void OnException(ExceptionContext filterContext)
{
  Utility.WriteLog(filterContext.Exception);

  if (filterContext.HttpContext.IsCustomErrorEnabled)
  {
    filterContext.ExceptionHandled = true;
    this.View("Error").ExecuteResult(this.ControllerContext);
  }
}
```

B.
```
protected override void OnException(ExceptionContext filterContext)
{
  Utility.WriteLog(filterContext.Exception);

  if (System.Diagnostics.Debugger.IsAttached)
  {
    filterContext.ExceptionHandled = true;
    this.View("Error").ExecuteResult(this.ControllerContext);
  }
}
```

C.
```
protected override void OnException(ExceptionContext filterContext)
{
  if (!System.Diagnostics.Debugger.IsLogging())
  {
    Utility.WriteLog(filterContext.Exception);
    filterContext.ExceptionHandled = true;
    this.View("Error").ExecuteResult(this.ControllerContext);
  }
}
```

D.
```
protected override void OnException(ExceptionContext filterContext)
{
  Utility.WriteLog(filterContext.Exception);

  if (filterContext.HttpContext.IsDebuggingEnabled)
  {
    filterContext.ExceptionHandled = true;
    this.View("Error").ExecuteResult(this.ControllerContext);
  }
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

NEW QUESTION 26
When users attempt to retrieve a product from the product page, a run-time exception occurs if the product does not exist.
You need to route the exception to the CustomException.aspx page. Which method should you add to MvcApplication?

A.
```
public static void RegisterGlobalFilters(GlobalFilterCollection filters)
{
  filters.Add(new HandleErrorAttribute
  {
    ExceptionType = typeof(IndexOutOfBoundsException),
    View = "CustomException",
  });
}
```

B.
```
public static void RegisterGlobalFilters(GlobalFilterCollection filters)
{
  filters.Add(new HandleErrorAttribute
  {
    ExceptionType = typeof(NullReferenceException),
    View = "CustomException",
  });
}
```

C.
```
public static void RegisterGlobalFilters(GlobalFilterCollection filters)
{
  filters.Add(new HandleErrorAttribute
  {
    ExceptionType = typeof(IndexOutOfBoundsException),
    Handler = "CustomException",
  });
}
```

D.
```
public static void RegisterGlobalFilters(GlobalFilterCollection filters)
{
  filters.Add(new HandleErrorAttribute
  {
    ExceptionType = typeof(NullReferenceException),
    Handler = "CustomException",
  });
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 29
You updated the web.config file with the HTTP run-time value required to display an alternative version of the site.
You need to ensure that the correct page displays to the users. Which code segment should you use to update the controller?

A. If (Request.IsTabletDevice)
B. If (Request.Browser.IsBrowser("Mobile"))
C. If (Request.UserAgent["Tablet"])
D. If (Request.Browser.IsMobileDevice)

Answer: D

NEW QUESTION 33
You need to implement client-side animations according to the business requirements.
Which line of code should you use? (Each correct answer presents a complete solution. Choose all that apply.)

A. $("body h1:nth-child(1)").fadeIn(1000);
B. $("body h1:nth-child(1)")-fadeOut(1000);
C. $("body h2:nth-child(1)").animate({ opacity: 0 });
D. $("body h1:nth-child(1)").animate({ opacity: 1 });

Answer: BC

NEW QUESTION 36
You need to implement client-side animations according to the business requirements.

Which line of code should you use? (Each correct answer presents a complete solution. Choose all that apply.)

A. $ ("h1: first") .animate ({opacity: 0 });
B. $("h1:first").fadeIn(1000);
C. $("h1:first").animate({opacity: 1 });
D. $("h1:first").fadeOut(1000);

Answer: AD

NEW QUESTION 40
You need to configure session storage in the web.config file to meet the technical requirements for scalability.
Which SessionState mode should you use? (Each correct answer presents a complete solution. Choose all that apply.)

A. StateServer
B. InProc
C. AutoDetect
D. SqlServer

Answer: AD

NEW QUESTION 42
The GetDealPrice method must be called by using Ajax.
You need to get the price of a product by using the GetDealPrice method of the ProductController.
Which code segment should you use? (Each correct answer presents a complete solution. Choose all that apply.)

A.
```
$.ajax({
  type: "POST",
  dataType: "json",
  contentType: "application/json",
  url: "Product/GetDealPrice",
  data: "{'productId': '" + productId + "'}",
   success: function (data) {
    $(".price").html(data.d);
  }
});
```

B.
```
$.load({
  dataType: "json",
  contentType: "application/json",
  url: "Product/GetDealPrice/" + productId,
   success: function (data) {
    $(".price").html(data.d);
  }
});
```

C.
```
$.ajax({
  type: "GET",
  dataType: "json",
  contentType: "application/json",
  url: "Product/GetDealPrice/" + productId,
   success: function (data) {
    $(".price").html(data.d);
  }
});
```

D.
```
$.getJSON("Product/GetDealPrice/" + productId
  function (data) {
    $(".price").html(data.d);
  }
);
```

A. Option A

B. Option B
C. Option C
D. Option D

Answer: CD

NEW QUESTION 44
You need to modify the application to meet the productId requirement. Which code segment should you use?

A. Modify the **RegisterGlobalFilters** method of the Global.asax.cs file as follows.

```
Contract.Assume<ArgumentException>(productId != 0);
```

B. Modify the **GetDealPrice** method of **ProductController** as follows.

```
Contract.RequiresAssume<ArgumentException>(productId != 0);
```

C. Modify the **GetDealPrice** method of **ProductController** as follows.

```
Contract.Requires<ArgumentException>(productId > 0);
```

D. Modify the **RegisterGlobalFilters** method of the Global.asax.cs file as follows.

```
Contract.Requires<ArgumentException>(productId > 0);
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

Explanation: Scenario: The value of the productId property must always be greater than 0.
Note: The Contract.Requires(Of TException) method specifies a precondition contract for the enclosing method or property, and throws an exception if the condition for the contract fails.
Syntax: 'Declaration
Public Shared Sub Requires(Of TException As Exception) (_ condition As Boolean _) Type Parameters
TException
The exception to throw if the condition is false.
Parameters condition
Type: System.Boolean
The conditional expression to test.
Reference: Contract.Requires(Of TException) Method (Boolean)

NEW QUESTION 45
When users attempt to retrieve a product from the product page, a run-time exception occurs if the product does not exist.
You need to route the exception to the CustomException.aspx page. Which method should you add to MvcApplication?

A.
```
public static void RegisterGlobalFilters(GlobalFilterCollection filters)
{
  filters.Add(new HandleErrorAttribute
  {
    ExceptionType = typeof(IndexOutOfBoundsException),
    View = "CustomException",
  });
}
```

B.
```
public static void RegisterGlobalFilters(GlobalFilterCollection filters)
{
  filters.Add(new HandleErrorAttribute
  {
    ExceptionType = typeof(NullReferenceException),
    View = "CustomException",
  });
}
```

C.
```
public static void RegisterGlobalFilters(GlobalFilterCollection filters)
{
  filters.Add(new HandleErrorAttribute
  {
    ExceptionType = typeof(IndexOutOfBoundsException),
    Handler = "CustomException",
  });
}
```

D.
```
public static void RegisterGlobalFilters(GlobalFilterCollection filters)
{
  filters.Add(new HandleErrorAttribute
  {
    ExceptionType = typeof(NullReferenceException),
    Handler = "CustomException",
  });
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 46
You updated the web.config file with the HTTP run-time value required to display an alternative version of the site.
You need to ensure that the correct page displays to the users. Which code segment should you use to update the controller?

A. If (Request.IsTabletDevice)
B. If (Request.Browser.IsBrowser("Mobile"))
C. If (Request.UserAgent["Tablet"])
D. If (Request.Browser.IsMobileDevice)

Answer: D

NEW QUESTION 47
You need to implement client-side animations according to the business requirements.
Which line of code should you use? (Each correct answer presents a complete solution. Choose all that apply.)

A. $("body h1:nth-child(1)").fadeIn(1000);
B. $("body h1:nth-child(1)").fadeOut(1000);
C. $("body h1:nth-child(1)").animate({ opacity: 0 });
D. $("body h1:nth-child(1)").animate({ opacity: 1 });

Answer: BC

Explanation: From scenario: Information about the first product on the product page must fade out over time to encourage the user to continue browsing the catalog.

NEW QUESTION 49
You need to implement client-side animations according to the business requirements.
Which line of code should you use? (Each correct answer presents a complete solution. Choose all that apply.)

A. $ ("h1: first") .animate ({ opacity: 0 });
B. $("h1:first").fadeIn(1000);
C. $("h1:first").animate({ opacity: 1 });
D. $("h1:first").fadeOut(1000);

Answer: AD

Explanation: From scenario: Information about the first product on the product page must fade out over time to encourage the user to continue browsing the catalog.

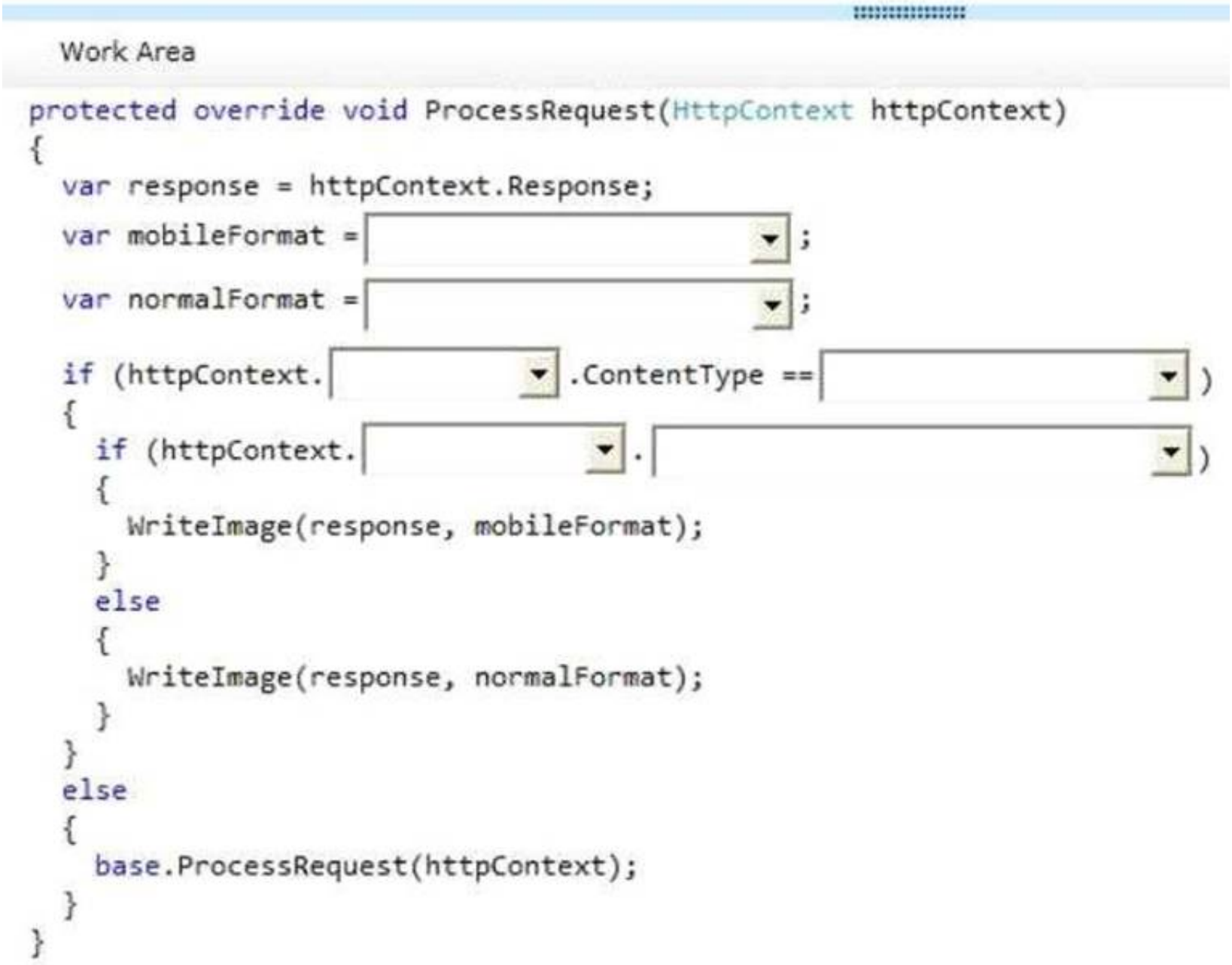
NEW QUESTION 54
You need to configure session storage in the web.config file to meet the technical requirements for scalability.
Which SessionState mode should you use? (Each correct answer presents a complete solution. Choose all that apply.)

A. StateServer
B. InProc
C. AutoDetect
D. SqlServer

Answer: AD

Explanation: ASP.NET session state supports several different storage options for session data. Each option is identified by a value in the SessionStateMode enumeration. The following list describes the available session state modes:
* StateServer mode, which stores session state in a separate process called the ASP.NET state service. This ensures that session state is preserved if the Web application is restarted and also makes session state available to multiple Web servers in a Web farm.
* SQLServer mode stores session state in a SQL Server database. This ensures that session state is preserved if the Web application is restarted and also makes session state available to multiple Web servers in a Web farm.
* InProc mode, which stores session state in memory on the Web server. This is the default.
* Custom mode, which enables you to specify a custom storage provider.
* Off mode, which disables session state.
References: https://msdn.microsoft.com/en-us/library/ms178586.aspx

NEW QUESTION 57
HOTSPOT
You need to implement the mobile device support requirements.
How should you build the ProcessRequest method? (To answer, select the appropriate options in the answer area.)



Work Area

```
protected override void ProcessRequest(HttpContext httpContext)
{
  var response = httpContext.Response;
  var mobileFormat = [ ];
  var normalFormat = [ ];

  if (httpContext.[ ].ContentType == [ ])
  {
    if (httpContext.[ ].[ ])
    {
      WriteImage(response, mobileFormat);
    }
    else
    {
      WriteImage(response, normalFormat);
    }
    else
    {
      base.ProcessRequest(httpContext);
    }
  }
}
```

mobileFormat: "image/png" | "image/gif" | "image/jpeg" | "image/bmp"

normalFormat: "image/png" | "image/gif" | "image/jpeg" | "image/bmp"

httpContext.: Response | Request | Application | Handler

ContentType ==: "image/png" | "image/gif" | "image/jpeg" | "image/bmp"

httpContext.: Response | Request | Application | Handler

.: Browser.IsMobileDevice | Browser.IsBrowser("MobileDevice") | Mobile == "android|iP(hone|od)" | Mobile == "+mobile|tablet"

Answer:

Explanation:

Work Area

```
protected override void ProcessRequest(HttpContext httpContext)
{
  var response = httpContext.Response;
  var mobileFormat = [ ];
```

mobileFormat options: "image/png", "image/gif", "image/jpeg", "image/bmp" — **"image/jpeg"**

```
  var normalFormat = [ ];
```

normalFormat options: **"image/png"**, "image/gif", "image/jpeg", "image/bmp"

```
if (httpContext.[ ].ContentType == [ ])
```

httpContext. options: **Response**, Request, Application, Handler

ContentType == options: "image/png", "image/gif", "image/jpeg", **"image/bmp"**

```
{
  if (httpContext.[ ].[ ])
```

httpContext. options: Response, **Request**, Application, Handler

. options: **Browser.IsMobileDevice**, Browser.IsBrowser("MobileDevice"), Mobile == "android|iP(hone|od)", Mobile == "+mobile|tablet"

```
  {
    WriteImage(response, mobileFormat);
  }
  else
  {
    WriteImage(response, normalFormat);
  }
}
else
{
  base.ProcessRequest(httpContext);
}
}
```

Case Study: 3,
Video Transcoding Service
Background
You are developing a video transcoding service. This service is used by customers to upload video files, convert video to other formats, and view the converted files. This service is used by customers all over the world.
Business Requirements
The user-facing portion of the application is an ASP.NET MVC application. It provides an interface for administrators to upload video and schedule transcoding. It

also enables administrators and users to download the transcoded videos.
When videos are uploaded, they are populated with metadata used to identify the video. The video metadata is gathered by only one system when the video upload is complete. Customers require support for Microsoft Internet Explorer 7 and later.
The application contains a header that is visible on every page.
If the logged-on user is an administrator, then the header will contain links to administrative functions. This information is read from a cookie that is set on the server. The administrative links must not be present if an error condition is present.
Technical Requirements
User Experience:
? The front-end web application enables a user to view a list of videos.
? The main view of the application is the web page that displays the list of videos.
? HTML elements other than the list of videos are changed with every request requiring the page to reload.
Compatibility:
? Some customers use browsers that do not support the HTTP DELETE verb.
? These browsers send a POST request with an HTTP header of X-Delete when the intended action is to delete.
Transcoding:
? The video transcoding occurs on a set of Windows Azure worker roles.
? The transcoding is performed by a third-party command line tool named transcode.exe. When the tool is installed, an Environment variable named transcode contains the path to the utility.
? A variable named license contains the license key. The license for the transcoding utility requires that it be unregistered when it is not in use.
? The transcoding utility requires a significant amount of resources. A maximum of 10 instances of the utility can be running at any one time. If an instance of the role cannot process an additional video, it must not prevent any other roles from processing that video.
? The utility logs errors to a Logs directory under the utilities path.
? A local Azure directory resource named perf is used to capture performance data.
Development:
? Developers must use Microsoft Remote Desktop Protocol (RDP) to view errors generated by the transcode.exe utility.
? An x509 certificate has been created and distributed to the developers for this purpose.
? Developers must be able to use only RDP and not any other administrative functions.
Application Structure

TranscodeWorkerRole.cs

```
public class TranscodeWorkerRole : RoleEntryPoint
{
  public override void Run()
  {
    while (true)
    {
      var nextWorkItem = GetWorkItem();
      TranscodeService.Start(new [] { nextWorkItem } );
    }
  }

  private string GetWorkItem()
  {
    ...
  }
}
```

ThumbnailGenerator.cs

```
public class ThumbnailGenerator : IHttpHandler
{
  public bool IsReusable
  {
    get { return true; }
  }

  public void ProcessRequest(HttpContext context)
  {
    var videoId = context.Request.QueryString["videoId"];
    var startBytes = File.ReadAllBytes(videoId);
    var bytes = BuildThumbnail(videoId);
    StreamResults(context, bytes);
  }

  private Task<byte[]> BuildThumbnail(string videoId)
  {
    return new Task<byte[]>(() => File.ReadAllBytes(videoId));
  }

  private void StreamResults(HttpContext context, byte[] content)
  {
  }
}
```

VideoController.cs

```
[Authorize]
public class VideoController : Controller
{
  public FileResult DownloadVideo(string videoId)
  {
    var stream = GetVideoStream(videoId);
    return File(stream, "video/mpeg");
  }

  [HttpPost]
  public ActionResult UploadVideo(string videoId)
  {
    return View();
  }

[HttpDelete]
public ActionResult DeleteVideo(string videoId)
{
  return View();
}

public ActionResult VideoMetadata(string videoId)
{
  var metadata = HttpRuntime.Cache[videoId];
  if (metadata == null)
  {
    metadata = LoadMetadata(videoId);
    HttpRuntime.Cache[videoId] = metadata;
  }
  return View(metadata);
}

public ActionResult ListVideos()
{
    return View();
  }
}
```

DeleteHandler.cs

```
public class DeleteHandler : DelegatingHandler
{
  protected override Task<HttpResponseMessage> SendAsync
(HttpRequestMessage request,
 CancellationToken cancellationToken)
  {
    ...
  }
}
```

VideoAdminAttributes.cs

```
public class VideoAdminAttribute : Attribute
{
  private IEnumerable<string> Admins()
  {
    ...
  }
}
```

AdminVerifierFactory.cs

```
public class AdminVerifierFactory : DefaultControllerFactory
{
  public override IController CreateController(RequestContext requestContext,
 string controllerName)
  {
    return base.CreateController(requestContext, controllerName) as Controller;
  }
}
```

NEW QUESTION 61
You need to ensure that developers can connect to a Windows Azure role by using RDP. What should you do?

A. Export a certificate without a private ke
B. Upload the .cer file to the Management Certificates section on the Azure Management Portal.
C. Export a certificate with a private ke
D. Upload the .pfx file to the Management Certificates section on the Azure Management Portal.
E. Export a certificate without a private ke
F. Upload the .cer file to the Certificates section under the TranscodeWorkerRole hosted service on the Azure Management Portal.
G. Export a certificate with a private ke
H. Upload the .pfx file to the Certificates section under the TranscodeWorkerRole hosted service on the Azure Management Portal.

Answer: D

NEW QUESTION 65
Customers download videos by using HTTP clients that support various content encodings. You need to configure caching on the DownloadVideo action to maximize performance. Which attribute should you add?

A.
```
[OutputCache(Location = OutputCacheLocation.Downstream, VaryByParam = "videoId",
VaryByCustom = "browser")]
```

B.
```
[OutputCache(Location = OutputCacheLocation.Any, VaryByCustom = "compressionMethod",
VaryByContentEncoding = "all")]
```

C.
```
[OutputCache(Location = OutputCacheLocation.ServerAndClient,
VaryByHeader = "Cache-Control")]
```

D.
```
[OutputCache(Location = OutputCacheLocation.Downstream,
VaryByContentEncoding = "gzip;q=1.0, compress; q=0.5, *;q=0")]
```

E.
```
[OutputCache(Location = OutputCacheLocation.Any, VaryByParam = "videoId",
VaryByContentEncoding = "gzip;q=1.0, compress; q=0.5, *;q=0")]
```

A. Option A
B. Option B
C. Option C
D. Option D
E. Option E

Answer: E

NEW QUESTION 66
You are creating a new authentication system that uses an HTTP header value. The existing authentication system must continue to operate normally.
You need to implement the custom authentication.
What should you do? (Each correct answer presents a complete solution. Choose all that apply.)

A. Create a class derived from ActionResult and check for a valid HTTP header value in the ExecuteResult metho
B. Change all actions to return this new class.
C. Create an HttpHandler to check for a valid HTTP header value in the ProcessRequest method.
D. Create an HttpModule and check for a valid HTTP header value in the AuthenticateRequest event.
E. Create a class derived from AuthorizeAttribute and check for a valid HTTP header value in the AuthorizeCore metho
F. Change usages of the existing AuthorizeAttribute to use the new class.

Answer: CD

NEW QUESTION 69
The transcode.exe utility activates its license online when it is installed.
You need to ensure that the registration of the transcode utility is handled as specified in its license.
Which method should you add to the TranscodeWorkerRole class?

A.
```
public override void OnStop()
{
  RoleEnvironment.Stopping += (sender, args) =>
  {
    var task = Process.Start("transcode.exe", "unregister");
    if (task.HasExited)
      base.OnStop();
  };
}
```

B.
```
public override void OnStop()
{
  RoleEnvironment.Stopping += (sender, args) =>
  {
    Process.Start("transcode.exe", "unregister").WaitForExit();
    base.OnStop();
  };
}
```

C.
```
public override void OnStop()
{
  Process.Start("transcode.exe", "unregister");
  base.OnStop();
}
```

D.
```
public override void OnStop()
{
  Process.Start("transcode.exe", "unregister").WaitForExit();
  base.OnStop();
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

NEW QUESTION 74
You need to ensure that all customers can delete videos regardless of their browser capability. Which code segment should you use as the body of the SendAsync method in the DeleteHandler class?

A.
```
varresponse = base.SendAsync(request, cancellationToken);
if(request.Headers.Contains("X-Delete"))
{
  response.Result.StatusCode = HttpStatusCode.NotImplemented;
}
returnresponse;
```

B.
```
if(request.Headers.Contains("X-Delete"))
{
  request.Method = newHttpMethod("DELETE");
}
returnbase.SendAsync(request, cancellationToken);
```

C.
```
varresponse = base.SendAsync(request, cancellationToken);
if(response.Result.Headers.Contains("X-Delete"))
{
  request.Method = newHttpMethod("DELETE");
}
returnresponse;
```

D.
```
if(request.Method == HttpMethod.Delete)
{
  request.Headers.Add("X-Delete", "true");
}
returnbase.SendAsync(request, cancellationToken);
```

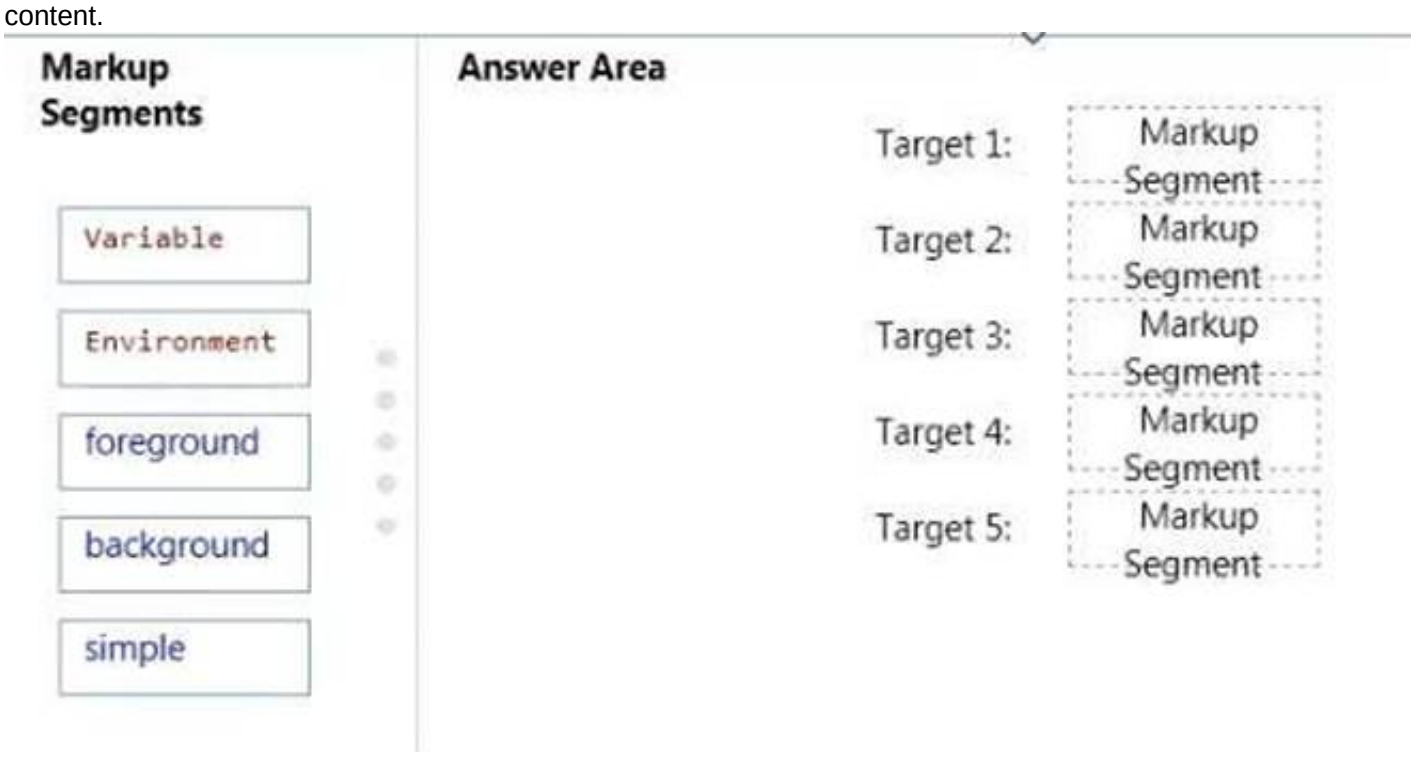
A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 75
DRAG DROP
You need to ensure that the transcode.exe utility is installed before the worker role starts. You have the following markup:

```
<Startup>
  <Task commandLine="msiexec transcode.msi" taskType="Target 1">
    <Target 2>
      <Target 3 name="license" value="825534"></Target 4>
    </Target 5>
  </Task>
</Startup>
```

Which markup segments should you include in Target 1, Target 2, Target 3, Target 4 and Target 5 to implement the startup task? To answer, drag the appropriate markup segments to
the correct targets. Each markup segments may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.



Answer:

Explanation: Target 1: simple
Target 2:Environment
Target 3:Variable
Target 4: Variable
Target 5: Environment

NEW QUESTION 79
You need to ensure that all the MVC controllers are secure.
Which code segment should you use as the body for the CreateController method in AdminVerifierFactory.cs?

A.
```
if (requestContext.RouteData.Values["Administrator"] == null)
  throw new Exception("Not an Administrator");

return base.CreateController(requestContext, controllerName) as Controller;
```

B.
```
var controller = base.CreateController(requestContext, controllerName)
as Controller;
var attributes = controller.GetType().Attributes.ToString();
if (!attributes.Contains("VideoAdminAttribute"))
  throw new Exception("Not an Administrator");

return controller;
```

C.
```
var controller = base.CreateController(requestContext, controllerName)
as Controller;
var hasFilter = controller.GetType().CustomAttributes.Any
 (x => x.AttributeType.Name == "VideoAdminAttribute");
if (hasFilter == null)
  throw new Exception("Not an Administrator");

return controller;
```

D.
```
if (requestContext.HttpContext.Items["Administrator"] == null)
  throw new Exception("Not an Administrator");

return base.CreateController(requestContext, controllerName) as Controller;
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

NEW QUESTION 83
You are developing an ASP.NET Core MVC web application that uses custom security middleware. The middleware will add a response header to stop pages form loading when reflected cross-site scripting (XSS) attacks are detected.
The security middleware component must be constructed once per application lifetime. You need to implement the middleware.
How should you complete the code? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

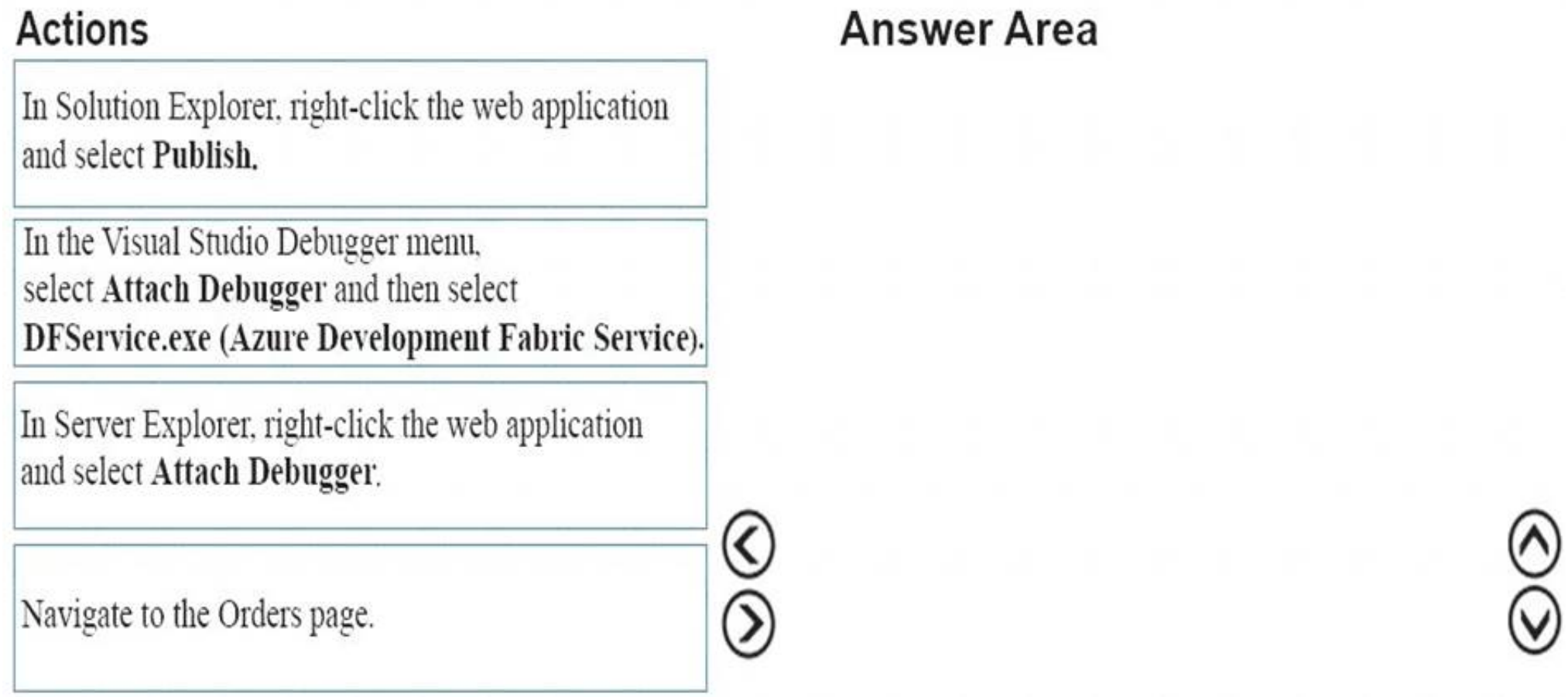
```
public class SecurityMiddleware
{
    private readonly Requestdelegate _next;
    public SecurityMiddleware(RequestDelegate next)
    {
      _next = next;
    }
    public Task Invoke(HttpContext httpContext)
    {
      httpContext.Response.Headers.Add("X-XSS-Protection", "1; mode=block");
      return [ _next.Invoke(httpContext) | _next(httpContext) | _next.DynamicInvoke(httpContext) ] ;
    }
}
public static class SecurityMiddlewareExtensions
{
    public static IApplicationBuilder [ UseSecurityMiddleware | UseMiddleware <SecurityMiddleware> | SecurityMiddleware ] (this IApplicationBuilder builder)
    {
      return builder.
        [ UseMiddleware<SecurityMidlleware>() | Use(async (context, next) => {await next.Invoke();}) | UseAuthentication() ]
    }
}
public class Startup
{
  . . .
  public void Configure(IApplicationBuilder app, IHostingEnvironment env)
{
  . . .
app.[ UseSecurityMiddleware | UseAuthentication | UseIdentity ]
  . . .
  }
}
```

Answer:

Explanation: Box 1: return _next(httpContext); Example:
public Task Invoke(HttpContext httpContext)
{
httpContext.Response.Headers.Add("X-Xss-Protection", "1"); httpContext.Response.Headers.Add("X-Frame-Options", "SAMEORIGIN");
httpContext.Response.Headers.Add("X-Content-Type-Options", "nosniff"); return _next(httpContext);
}
Box 2: UseSecurityMiddleware

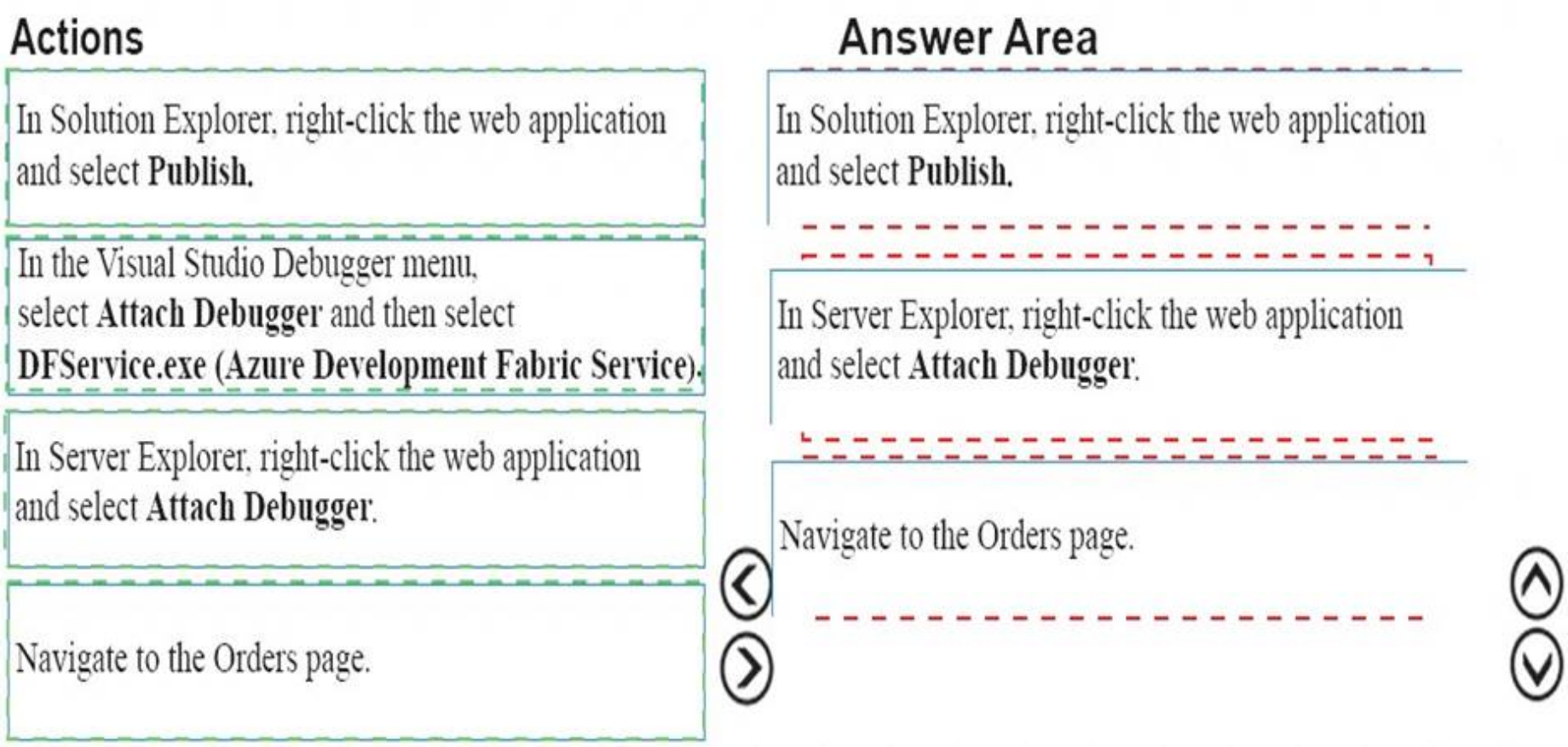
Box 3: UseMiddleware<SecurityMiddleware>() Example:
public static class SecurityMiddlewareExtensions
{
public static IApplicationBuilder UseSecurityMiddleware(this IApplicationBuilder builder)
{
return builder.UseMiddleware<SecurityMiddleware>();
}
}
Box 4: UseSecurityMiddleware
The Extensions part is optional, but it does allow you to write code like this :
public void Configure(IApplicationBuilder app, IHostingEnvironment env, ILoggerFactory loggerFactory)
{
app.UseMiddleware<SecurityMiddleware>(); //If I didn't have the extension method app.UseSecurityMiddleware(); //Nifty encapsulation with the extension
}

NEW QUESTION 88
You deploy an ASP.NET MVC e-commerce application to a Microsoft Azure App Services Web App. Users report that the Orders page displays incorrect date and time information. You are unable to reproduce
the issue locally.
You need to configure Remote Debugging for the web application.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Answer:

Explanation:



NEW QUESTION 91
You are developing an ASP.NET web application.
You need to ensure that the application can securely render user-generated content
What are two possible ways to achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.
A)

Use the following WebForms markup:

```
<span><%:userInput%></span>
```

B)

Use the following code:

```
var decodedUserInput = Server.HtmlDecode(userInput);
```

C)

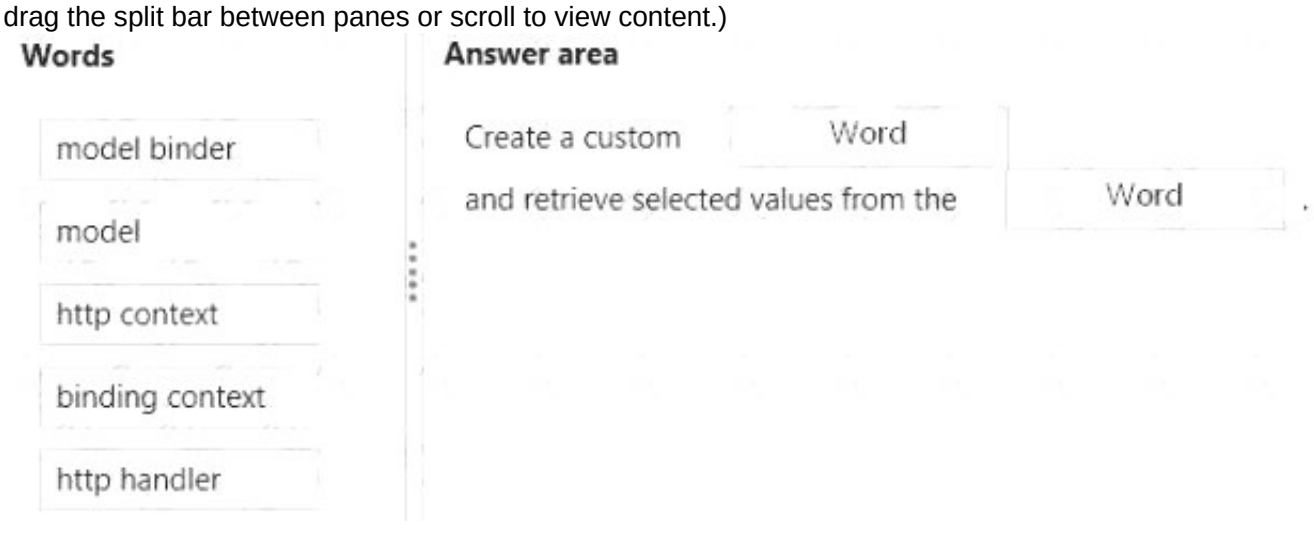
Use the following code:

```
var decodedUserInput = Server.UrlDecode(userInput);
```

A. Option A
B. Option B
C. Option C

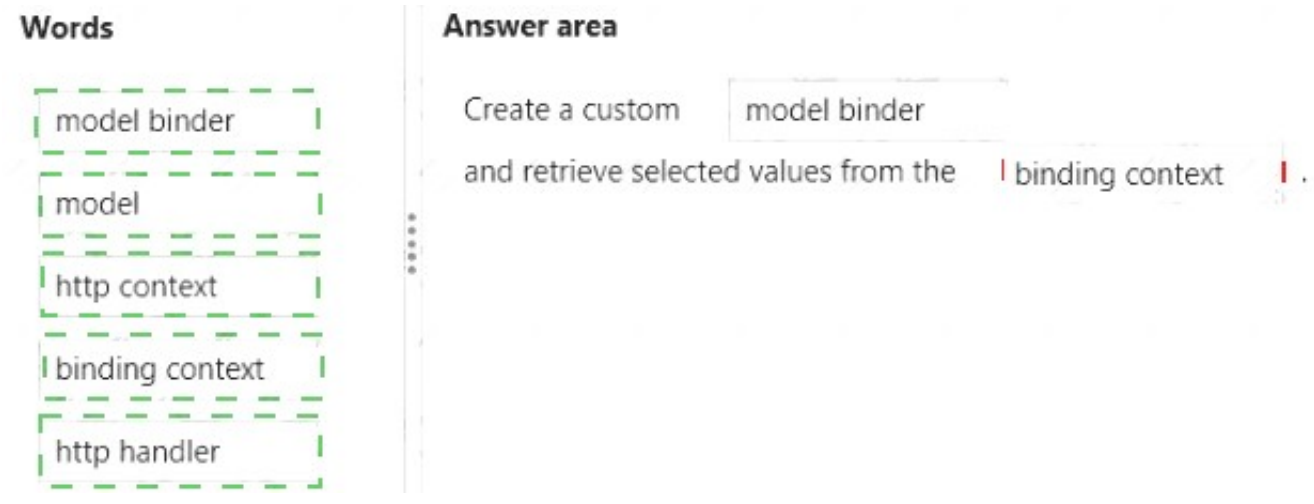
Answer: AB

NEW QUESTION 94
DRAG DROP
You are developing an ASP.NET MVC application. The application has a view that displays a list of orders in a multi-select list box.
You need to enable users to select multiple orders and submit them for processing.
What should you do? (To answer, drag the appropriate words to the correct targets. Each word may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)



Answer:

Explanation:



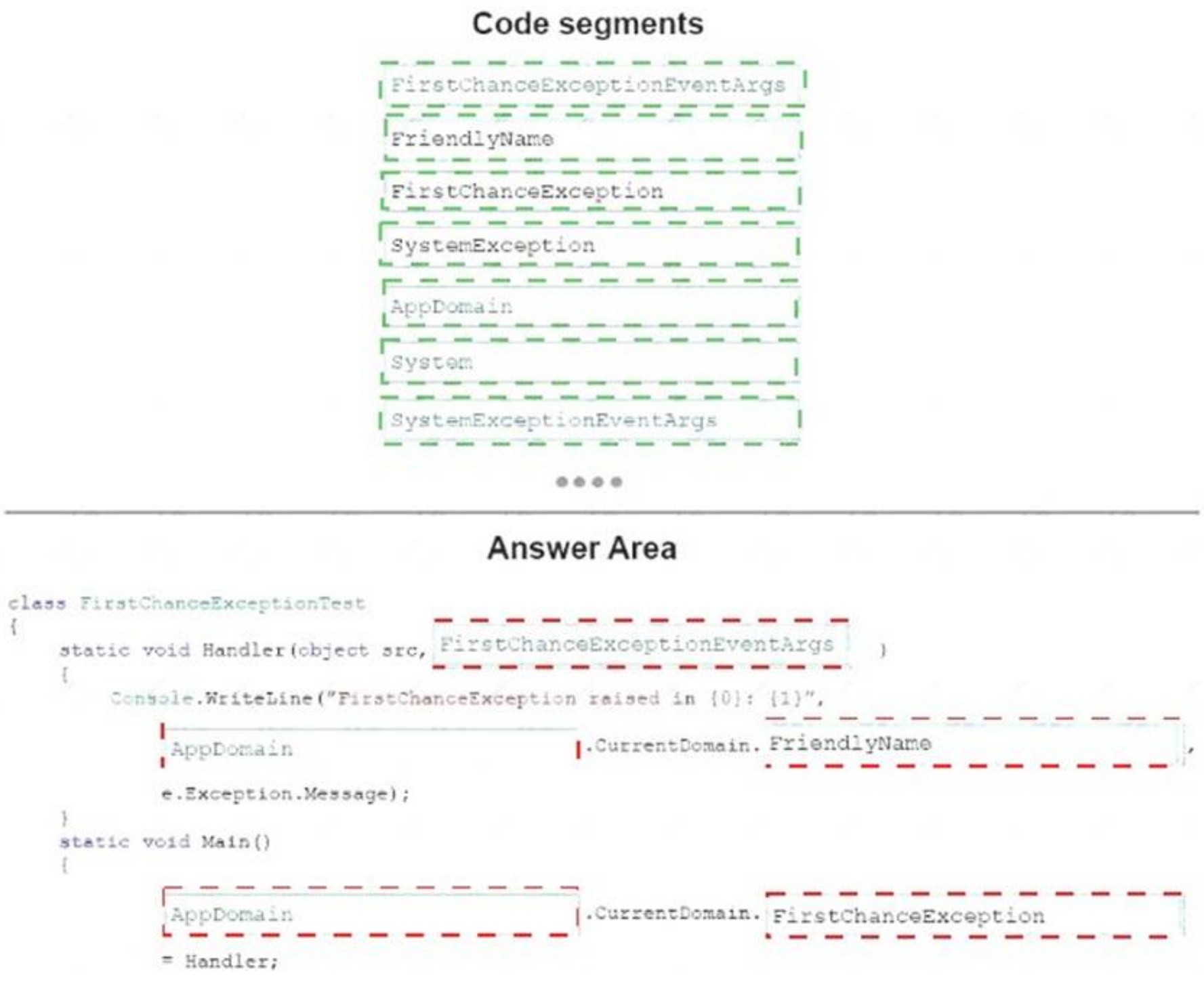
NEW QUESTION 98
You are developing an ASP.NET MVC application.
You must handle any first chance exceptions that the application throws. The exception handler has the following requirement.

- Catch any first chance exceptions thrown by the default app domain.
- Display the name of the app domain that caused the exception.
- Display the message for the exception.

You need to implement the exception handler.
How should you complete the relevant code?

Answer:

Explanation:



NEW QUESTION 103
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You develop an ASP.NET Core MVC web application. You have a legacy business system that sends data to the web application by using Web API. The legacy business system uses proprietary data formats.
You need to handle the proprietary data format.
Solution: Add an instance of a custom formatter class to the OutputFormatters collection in MVC. Does the solution meet the goal?

A. Yes
B. No

Answer: A

Explanation: We need to add the custom formatter class to the InputFormatters collection in MVC.
References: https://www.c-sharpcorner.com/article/custom-formatters-in-asp-net-core-mvc-web-api/

NEW QUESTION 106
You are designing a localized ASP.NET application to support multiple cultures. You need to ensure that the application can be displayed in several languages.
How should you implement this feature?

A. Use a resource (.resx) file.
B. Include language-specific content in the assembly manifest.
C. Use Systems.Collections.Generics.Dictionary to store alternative translations.
D. Ensure that all strings are marked internal.

Answer: A

NEW QUESTION 107
You develop an ASP.NET MVC application that includes the following class. Line numbers are included for reference only.

```
01  using System.Collections.Generic;
02  namespace RazorTemplate.Models
03  {
04      public class Person
05      {
06          public string Name { get; set; }
07          public List<Person> Friends { get; set; }
08      }
09  }
```

You must use the Razor view engine to display all property values for the class. You need to implement the view.
How should you complete the relevant code?

```
@model RazorTemplate.Models.Person
@if (Model != null)
{
    <div>Person's Name: [ ▼ ] </div>
```

- @Model
- Model.Name
- @Model.Name
- Model.ToString()

```
    <div>Friends' Names</div>
    [ ▼ ]
```

- @Model.Friends.ToList()
- @Model.Friends.GetEnumerator()
- @foreach (var item in Model.Friends)
- @for (var index = 0; index > Model.Friends.Count; index++)

```
    {
        <div> [ ▼ ] </div>
```

- @item
- @item.Name
- @item.Friends
- @item.Friends.IndexOf(item)

```
    }
```

Answer:

Explanation:

```
@model RazorTemplate.Models.Person
@if (Model != null)
{
    <div>Person's Name: [ ▼ ] </div>
```

- @Model
- Model.Name
- @Model.Name
- Model.ToString()

```
    <div>Friends' Names</div>
    [ ▼ ]
```

- @Model.Friends.ToList()
- @Model.Friends.GetEnumerator()
- @foreach (var item in Model.Friends)
- @for (var index = 0; index > Model.Friends.Count; index++)

```
    {
        <div> [ ▼ ] </div>
```

- @item
- @item.Name
- @item.Friends
- @item.Friends.IndexOf(item)

```
    }
```

NEW QUESTION 111
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You are developing an ASP.NET Core MVC web application.
The application must be exposed to external users over ports 80 and 443 and must meet the following requirements:
• Handle more than 1024 simultaneous connections.
• Support Windows authentication.
• Support HTTP/2 over TLS.
• Include response caching.
• Protect against denial-of-service attacks.
You need to deploy the application to an on-premises web server. Solution: You deploy the application to Kestrel with an US reverse proxy.
Does the solution meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 112
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You are developing an ASP.NET Core MVC web application.
The application must be exposed to external users over ports 80 and 443 and must meet the following requirements:

- Handle more than 1024 simultaneous connections.
- Support Windows authentication.
- Support HTTP/2 over TLS.
- Include response caching.
- Protect against denial-of-service attacks.

You need to deploy the application to an on-premises web server.
Solution: You deploy the application to a Windows server that runs Kestrel with a default Nginx reverse proxy.
Does the solution meet the goal?

A. Yes

B. No

Answer: B

NEW QUESTION 113
You are developing an ASP.NET MVC application in Visual Studio 2012. The application supports multiple cultures.
The application contains three resource files in the Resources directory:

- My Dictionary.resx
- MyDictionary.es.resx
- MyDictionary.fr.resx

Each file contains a public resource named Title with localized translation.
The application is configured to set the culture based on the client browser settings.
The application contains a controller with the action defined in the following code segment. (Line numbers are included for reference only.)

```
01 public ActionResult GetProducts()
02 {
03
04    List<ProductModel> products = DataBase.DBAccess.GetProducts();
05    return View(products);
06 }
```

You need to set ViewBag.Title to the localized title contained in the resource files. Which code segment should you add to the action at line 03?

A. ViewBag.Title = HttpContext.GetGlobalResourceObuect("MyDictionary", "Title");
B. ViewBag.Title = HttpContext.GetGlobalResourceObject("MyDictionary", "Title",new System.Globalization.CultureInfo("en"));
C. ViewBag.Title = Resources.MyDictionary.Title;
D. ViewBag.Title = HttpContext.GetLocalResourceObject("MyDictionary", "Title");

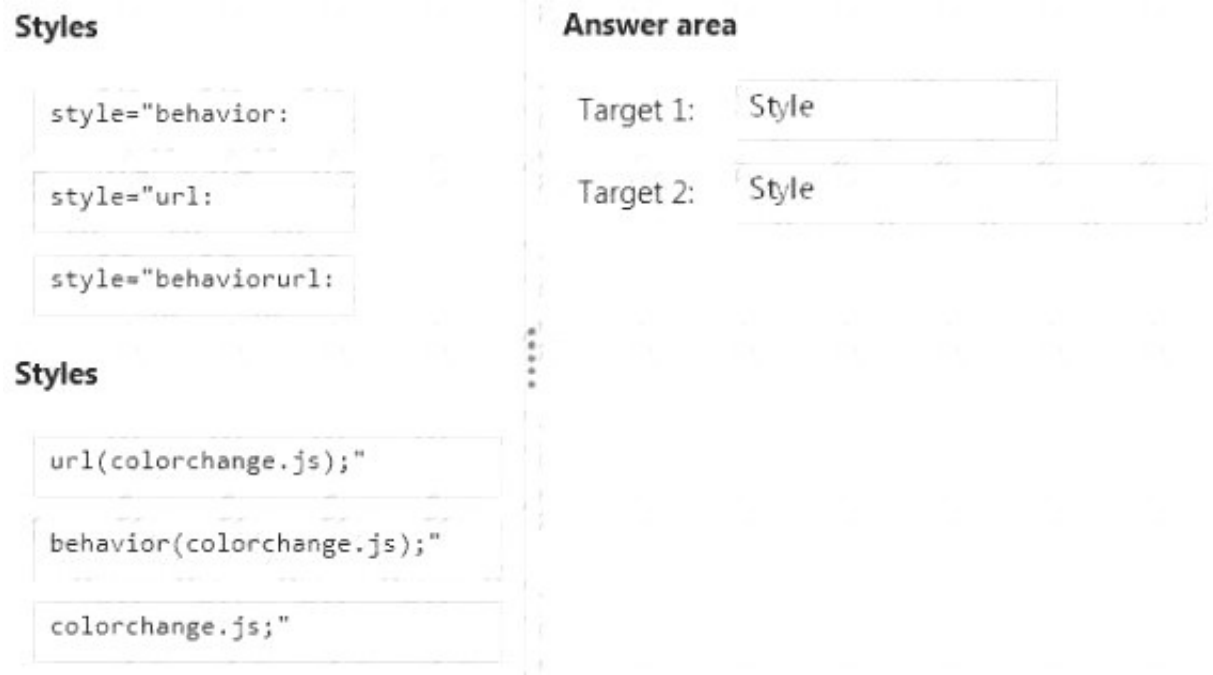
Answer: C

Explanation: Only the Resources class is used.

NEW QUESTION 118
DRAG DROP
You are developing an ASP.NET MVC web application that requires HTML elements to take on new behaviors. These should be implemented with a behavior script in a page that is only for Microsoft Internet Explorer users.
The colorchange.js script uses the Microsoft CSS vendor-specific Behavior extension. You need to apply the script with CSS.
You need to use the script to change the color of text. You have the following markup:

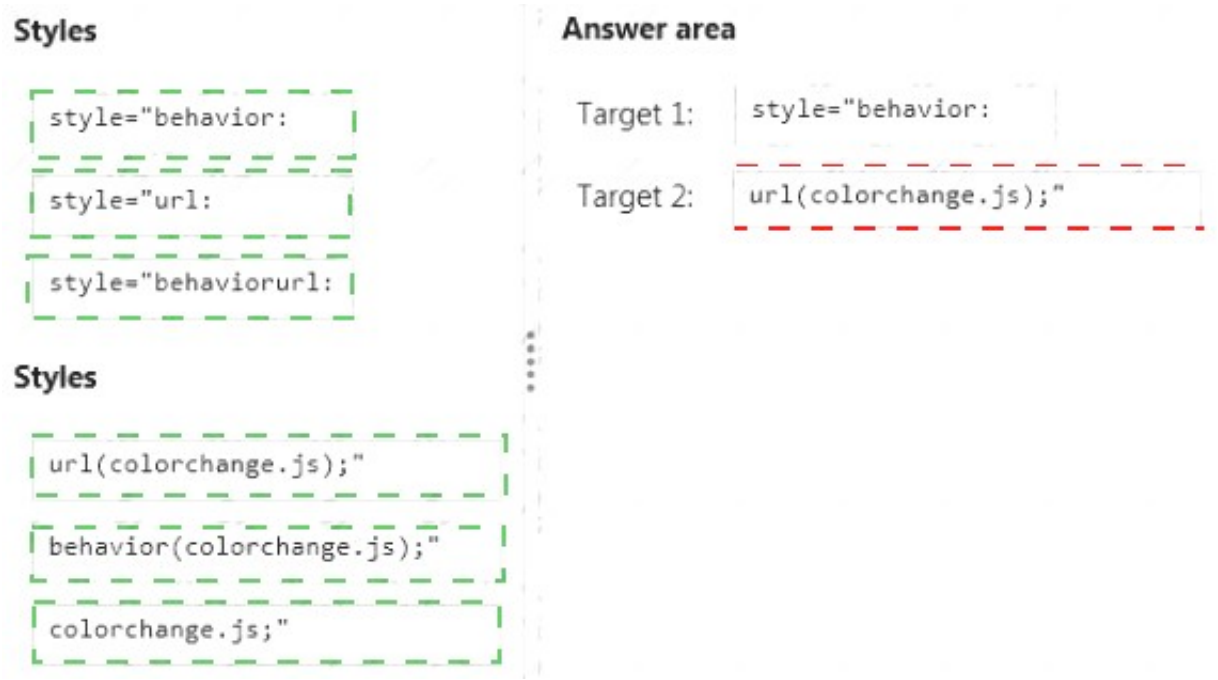
```
<h1 Target 1 Target 2>What a colorful header!</h1>
```

Which styles should you include in Target 1 and Target 2 to complete the markup? (To answer, drag the appropriate styles to the correct targets. Each style may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)



Answer:

Explanation:



NEW QUESTION 121
DRAG DROP
You are developing an ASP.NET MVC application in Visual Studio 2012. The application processes data for a bakery and contains a controller named BagelController.es that has several actions. The GetBagel action is defined in the following code segment.

```
public ActionResult GetBagel(string bagelName)
{
  ...
}
```

The GetBagel action is the only action that should be accessed via a URL pattern. Routes to the other actions in the controller must be suppressed.
The default route must map to HomeController and the Index action. You need to build the routes.
Which three code segments should you use in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.)

Answer:

Explanation:

Actions

```
routes.MapRoute(
  name: "Bagels",
  url: "Bagel/GetBagel/{bagelName}",

  defaults: new { controller = "Bagel", action = "
GetBagel" });
```

```
routes.IgnoreRoute("Bagel/{*}");
```

```
routes.IgnoreRoute("Bagel/{*pathInfo}");
```

```
routes.MapRoute(
  name: "Default",  url: "{controller}/{action}/
{id}",

  defaults: new { controller = "Home", action = "I
ndex", id =   UrlParameter.Optional });
```

```
routes.MapHttpRoute(
  name: "Bagels",
  routeTemplate: "Bagel/GetBagel/{bagelName}",

  defaults: new { controller = "Bagel", action = "
GetBagel" });
```

Answer Area

```
routes.MapRoute(
  name: "Bagels",
  url: "Bagel/GetBagel/{bagelName}",

  defaults: new { controller = "Bagel", action = "
GetBagel" });

routes.IgnoreRoute("Bagel/{*pathInfo}");

routes.MapRoute(
  name: "Default",  url: "{controller}/{action}/
{id}",

  defaults: new { controller = "Home", action = "I
ndex", id =   UrlParameter.Optional });
```

NEW QUESTION 124
You are developing an ASP.NET MVC application that uses forms authentication. The user database contains a user named LibraryAdmin.
You have the following requirements:

- You must allow all users to access the GetBook method.
- You must restrict access to the EditBook method to the user named LibraryAdmin.

You need to implement the controller to meet the requirements.
Which code segment should you use? (Each correct answer presents a complete solution. Choose all that apply.)

A.

```
[Authorize]
public class LibraryController : Controller
{
  [AllowAnonymous]
  public ActionResult GetBook()
  {
    ...
    return View();
  }
  [Authorize(Users = "LibraryAdmin")]
  public ActionResult EditBook()
  {
    ...
    return View();
  }
}
```

B.

```
[Authorize(Roles = "Anonymous")]
public class LibraryController : Controller
{
  public ActionResult GetBook()
  {
    ...
    return View();
  }

  [Authorize(Users = "LibraryAdmin")]
  public ActionResult EditBook()
  {
    ...
    return View();
  }
}
```

C.
```
[Authorize]
public class LibraryController : Controller
{
  [AllowAnonymous]
  public ActionResult GetBook()
  {
    ...
    return View();
  }

  [Authorize]
  public ActionResult EditBook()
  {
    if (this.HttpContext.User.Identity.Name != "LibraryAdmin")
    {
      return RedirectToAction("Login", "Account", new { ReturnUrl = "/Library/EditBook" });
    }
    else
    {
      ...
      return View();
    }
  }
}
```

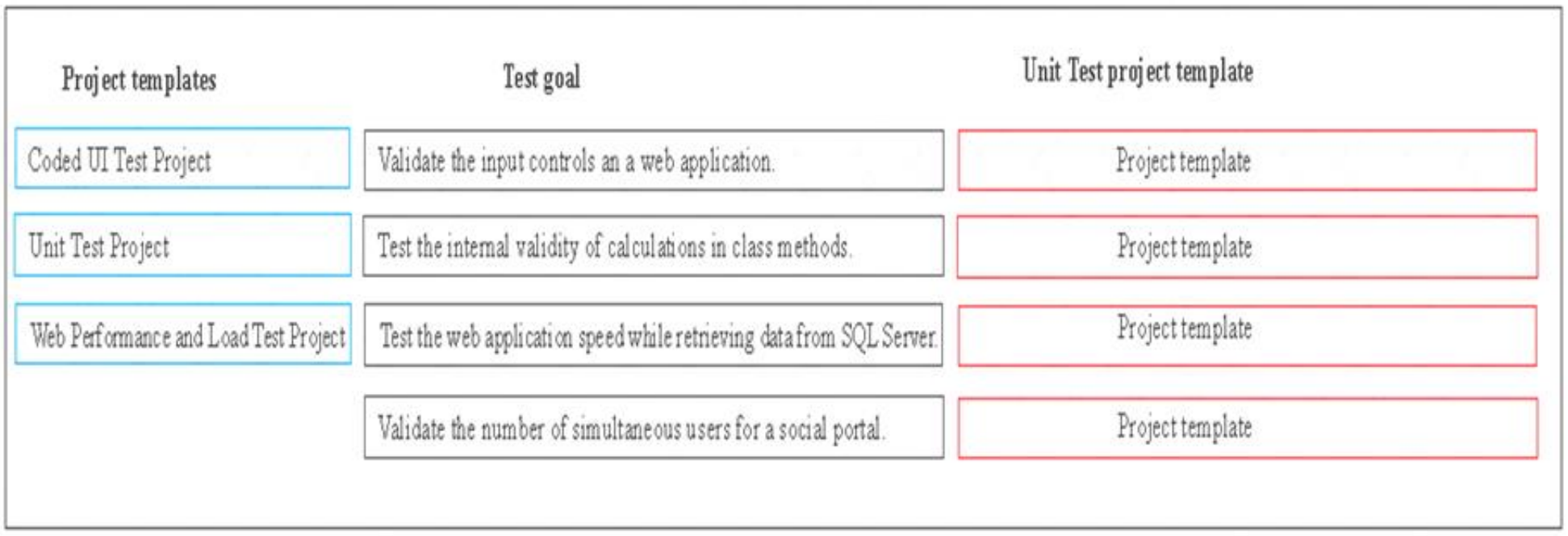
D.
```
[Authorize]
public class LibraryController : Controller
{
  [Authorize(Roles="Anonymous")]
  public ActionResult GetBook()
  {
    ...
    return View();
  }

  [Authorize(Users = "LibraryAdmin")]
  public ActionResult EditBook()
  {
    ...
    return View();
  }
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: AC

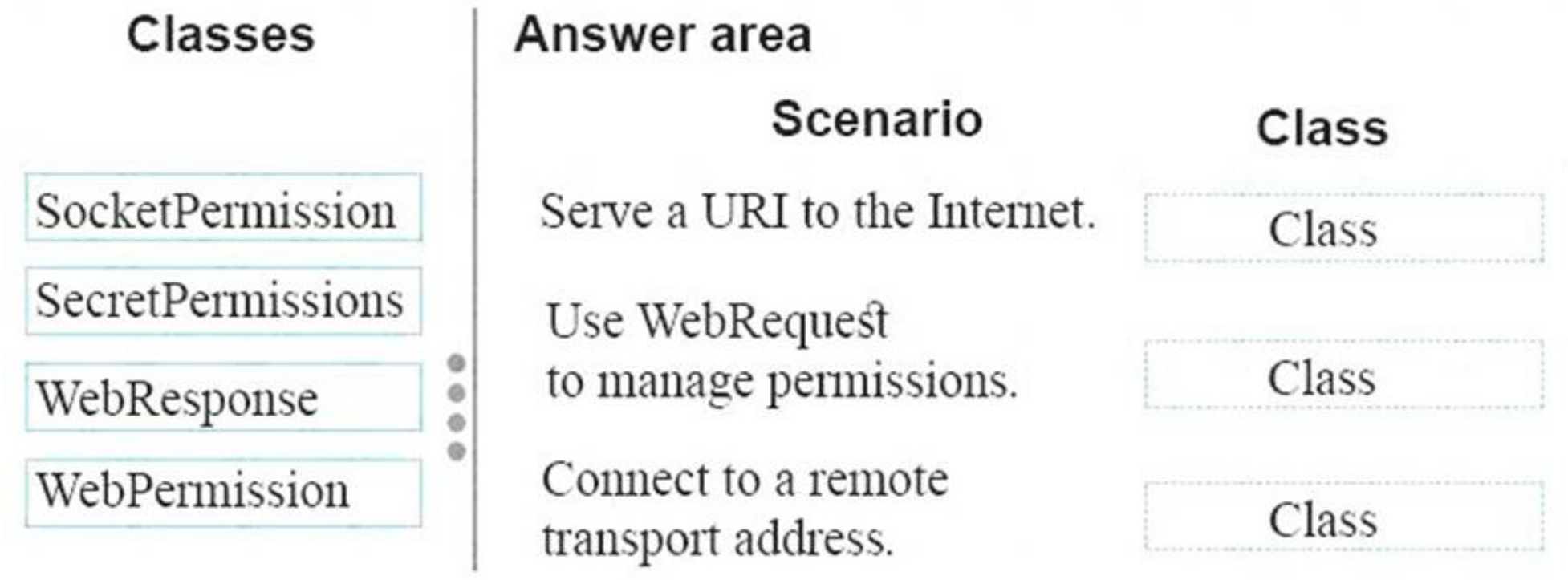
NEW QUESTION 126
You are developing an ASP.NET MVC application.
You need to choose the appropriate Visual Studio templates to use for each test goal.
Which Visual Studio Unit Test project templates should you use? To answer, drag the appropriate Unit Test project template to the correct test goal or test goals. Each project template may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.



Answer:

Explanation: Box 1: Coded UI Test Project
Automated tests that drive your application through its user interface (UI) are known as coded UI tests (CUITs). These tests include functional testing of the UI controls. They let you verify that the whole application, including its user interface, is functioning correctly. Coded UI Tests are particularly useful where there is validation or other logic in the user interface, for example in a web page. They are also frequently used to automate an existing manual test.
Box 2: Unit Test Project
Unit testing is a software testing method by which individual units of source code, sets of one or more computer program modules together with associated control data, usage procedures, and operating procedures, are tested to determine whether they are fit for use.[1] Intuitively, one can view a unit as the smallest testable part of an application.
Box 3: Web Performance and Load Test Project Box 4: Web Performance and Load Test Project
A load test is a container of Web performance tests and unit tests.
A load test exposes many run-time properties that can be modified to generate the desired load simulation. References: https://msdn.microsoft.com/en-us/library/dd286726.aspx
References: https://msdn.microsoft.com/en-us/library/ms182594(v=vs.110).aspx

NEW QUESTION 131
You develop an application that receives data input from users and from Internet of Things (IoT) devices across the Internet.
You must secure all data connections.
You need to implement security by using classes from the System.Net namespace.
Which classes should you use? To answer, drag the appropriate classes to the correct scenarios. Each class may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.



Answer:

Explanation: Box 1: WebPermission
Box 2: WebPermission
Box 3: SocketPermission References:
https://docs.microsoft.com/en-us/dotnet/framework/network-programming/web-and-socket-permissions

NEW QUESTION 134

The application includes the following method. (Line numbers are included for reference only.)

```
01 public static void
RegisterGlobalFilters(GlobalFilterCollection filters)
02 {
03      filters.Add(new HandleErrorAttribute
04      {
05
06      });
07 }
```

When users attempt to retrieve a product from the product page, a run-time exception occurs if the product does not exist.
You need to route the exception to the CustomException.aspx page. Which line of code should you insert at line 05?

A. ExceptionType = typeof(IndexOutOfBoundsExeption), View = ''CustomException''
B. ExceptionType = typeof(NullReferenceExeption), View = ''CustomException''
C. ExceptionType = typeof(IndexOutOfBoundsExeption), Handler = ''CustomException''
D. ExceptionType = typeof(NullReferenceExeption), Handler = ''CustomException''

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 138
You are developing an ASP.NET Core MVC web application. The application is configured to use a Startup class.
The /status action must be tested on each check-in to source control. You need to test the application.
How should you complete the code? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Code segments

TestServer | WebHost | WebHostBuilder | Build | TestStringParser

Answer area

```
public async Task Test
{
var server = new [Code segment]([Code segment]())
    .UseStartup<Startup>());
var client = server.CreateClient();
var result = await client.GetAsync("/status");
. . .
}
```

Answer:

Explanation: Example: Specify the Startup class with the WebHostBuilderExtensions UseStartup<TStartup> method: public class Program
{
public static void Main(string[] args)
{
BuildWebHost(args).Run();
}
public static IWebHost BuildWebHost(string[] args) => WebHost.CreateDefaultBuilder(args) UseStartup<Startup>()
Build();
}
References: https://docs.microsoft.com/en-us/aspnet/core/fundamentals/startup?view=aspnetcore-2.1

NEW QUESTION 140
You are developing an ASP.NET Core MVC web application.
You write a Gulp task to automatically minify and upload JavaScript CSS, and image files to Microsoft Azure CDN.
You need to ensure that the minification and upload tasks run automatically after every build in Microsoft Visual Studio Professional.

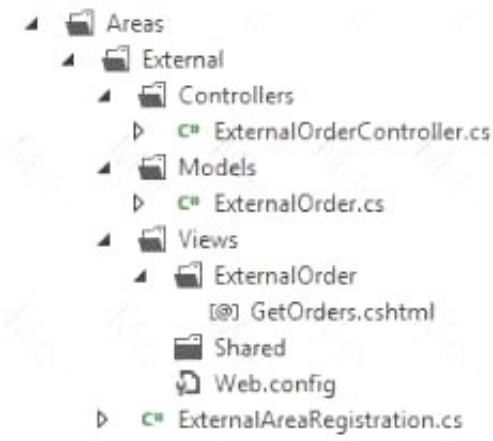
Which tool should you use?

A. Visual Studio Build Continuous Delivery tool
B. Bower Package manager
C. Azure Publish Dialog's Connected Services section
D. Visual Studio Batch Build dialog
E. Task Runner Explorer After Build binding

Answer: E

Explanation: References: https://blogs.msdn.microsoft.com/webdev/2016/01/06/task-runners-in-visual-studio-2015/

NEW QUESTION 145
DRAG DROP
You are developing an ASP.NET MVC application in Visual Studio.
The application contains an area that is defined as shown in the following graphic.



The ActionLink method must invoke the GetOrders() action in ExternalOrderController. You need to configure the parameters of the ActionLink method.
You have the following markup.

```
<li>
 @Html.ActionLink(
    "ViewExternalOrders",
    Target 1
    Target 2
    new { area = Target 3 }
    ,null
    )
</li>
```

Which markup segments should you include in Target 1, Target 2 and Target 3 to complete the markup? To answer, drag the appropriate markup segment to the correct targets. Each markup segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Markup Segments

- `"GetOrders",`
- `"External",`
- `"ExternalOrder",`
- `"ExternalOrderController",`

Answer area

Target 1: Markup Segment
Target 2: Markup Segment
Target 3: Markup Segment

Answer:

Explanation: Target 1: “GetOrders”,
Target 2: “ExternalOrderController”,
Target 3: External,
Target 1: the action is getOrders
Target 2: the controller is ExternalOrderController Target 3: The area is External
LinkExtensions.ActionLink Method (HtmlHelper, String, String, String, RouteValueDictionary, IDictionary<String, Object>)
Use:
Html.ActionLink("Text", "ActionName", "ControllerName", new { Area = "AreaName" }, null)
References:

NEW QUESTION 148
You are developing an ASP.NET Core MVC web application. The web application must meet the following requirements:

- Allow users to create a user name and password.

- Use cookie-based authentication.
- Store user credentials in a Microsoft SQL Server database. You need to implement ASP.NET Core Identity.

How should you complete the code? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

```
public class Startup
{
  ...
  public void ConfigureServices(IServiceCollection services)
  {
    services.AddDbContext<ApplicationDbContext>(options =>
      options.                    (Configuration.GetConnectionString("DefaultConnection")));
```

UseSqlServer / UseSqlite / UseInMemoryDatabase

```
    services.                    <ApplicationUser, IdentityRole>()
```

AddAuthentication / AddIdentity / AddAuthorization

```
      .AddEntityFrameworkStores<ApplicationDbContext>()
      .AddDefaultTokenProviders();
    services.                    <IdentityOptions>(options =>
```

Configure / AddAuthentication / AddAuthorization

```
    {
      options.Password.RequireDigit = true;
      options.Lockout.DefaultLockoutTimeSpan = TimeSpan.FromMinutes(30);
    }));
    services.                    (options =>
```

ConfigureApplicationCookie / AddAuthentication / AddAuthorization

```
    {
      options.Cookie.HttpOnly = true;
      options.Cookie.Expiration = TimeSpan.FromDays(90);
      options.SlidingExpiration = true;
    });
}
public void Configure(IApplicationBuilder app, IHostingEnvironment env)
{
  ...
    app.                         ();
  ...
  }
}
```

UseAuthentication / UseCookieAuthentication / UseIdentity

Answer:

Explanation: Box 1: UseSqlServer
Box 2: AddIdentity
Box 3: Configure
Box 4: ConfigureApplicationCookie
Box 5: UseAuthentication References:
https://docs.microsoft.com/en-us/aspnet/core/security/authentication/identity?view=aspnetcore-2.1&tabs=visual-

NEW QUESTION 149
You need to ensure that the transcode.exe utility is installed before the worker role starts. You have the following markup:

```
<Startup>
  <Task commandLine="msiexec transcode.msi" taskType="      Target 1      " >
    <      Target 2      >

      <      Target 3      name="license" value="825534"></      Target 4      >

    </      Target 5      >

  </Task>
</Startup>
```

Which markup segment should you include in Target 1, Target 2, Target 3, Target 4 and Target 5 to implement the startup task? To answer, drag the appropriate markup segments to the correct targets. Each markup segments may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Answer Area

Markup Segments

- Variable
- Environment
- foreground
- background
- simple

Target 1:	*Markup Segment*
Target 2:	*Markup Segment*
Target 3:	*Markup Segment*
Target 4:	*Markup Segment*
Target 5:	*Markup Segment*

Answer:

Explanation: Simple: Means this task would needs to be complete before the Role Starts. If task will not complete and exit, the Role will stuck to wait till the task completion. Simple tasks run until they exit, and then the next task (or the RoleEntryPoint if this is the last startup task) is executed.

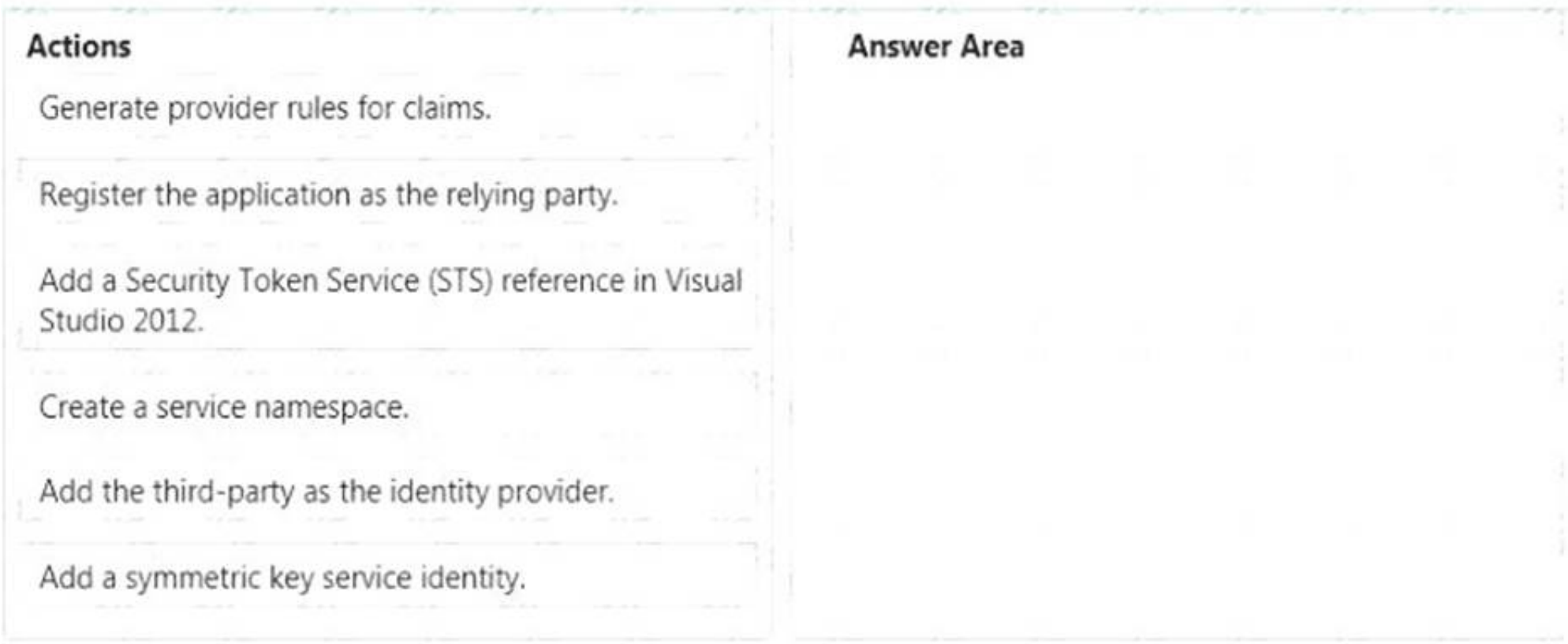
NEW QUESTION 153
You are developing an ASP.NET MVC application. The application uses a set of custom exceptions to log errors that occur during the execution of an action.
You need to develop a class that implements logging. Which interface should you implement?

A. IExceptionFilter
B. IActionFilter
C. IClientValidatable
D. IResultFilter

Answer: A

Explanation: Exception filters are used to apply global policies to unhandled exceptions in the MVC app. Exception Filters implement either the IExceptionFilter or IAsyncExceptionFilter interface.
Exception filters handle unhandled exceptions, including those that occur during controller creation and model binding. They are only called when an exception occurs in the pipeline.

NEW QUESTION 155
DRAG DROP
You are developing an ASP.NET MVC application that allows users to log on by using a third-party authenticator.
You need to configure Microsoft Azure Access Control Services and the application.
Which five actions should you perform in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.)



Answer:

Explanation: Box 1: Create a service namespace
The first step is to create an ACS Namespace. This is your Security Token Services (STS) that will generate Signed Identity tokens to be consumed by WAP. This will also be the only STS that WAP will trust.
Box 2: Register the application as a relaying partner.
Now that the Namespace is created, you will have to tell it about the WAP Portals that is expecting tokens from it. We add the WAP Tenant Portal as a Relying Party to ACS (Access Control Services).
Box 3: Add a Security Token Service (STS) reference in Visual Studio 2012.
Now that the Namespace is created, you will have to tell it about the WAP Portals that is expecting tokens from it.
1. Click on Relying Party Applications and click on Add to add the Windows Azure Pack tenant Portal as a Relying Party to this namespace. This essentially tells the ACS namespace that the Tenant Portal is expecting it to provide user identities.
2. You will now go to the Add Relying Party Application page where you can enter details about the WAP tenant Portal.
3. The easier option is to provide the federation Metadata from the tenant portal. Save the XML file locally on your computer
4. Now back in the ACS management portal, Upload the federation metadata file and provide a Display Name for the Relying Party.
5. Scroll Down to the Token Format section and choose the token format to be 'JWT'. By Default, the Windows Live Identity Provider will be selected. Deselect it if you do not want to allow users to sign in using their Live id. Under the Token Signing Settings section, select X.509 Certificate as the Type. Click on Save.
Box 4: Add the third-party as the identity provider.
We have our ACS and WAP portals setup. We now have to find a source of Identities that can be flown in to the WAP Portals through ACS. We configure external services to act as Identity Providers
Box 5: Generate provider rules for claims
We now have our Relying Party and our Identity Providers set up. We should now tell ACS how to transform the incoming Claims from these Identity providers so that the Relying Party can understand it. We do that using Rule Groups which are a set of rules that govern Claim Transformation. Since, we have two identity Providers, we will have to create a rule for each of these.
References:
https://blogs.technet.microsoft.com/privatecloud/2014/01/17/setting-up-windows-azure-active-directory-acs-to-p

NEW QUESTION 156
You are designing an HTML5 website.
You need to design the interface to make the content of the web page viewable in all types of browsers, including voice recognition software, screen readers, and

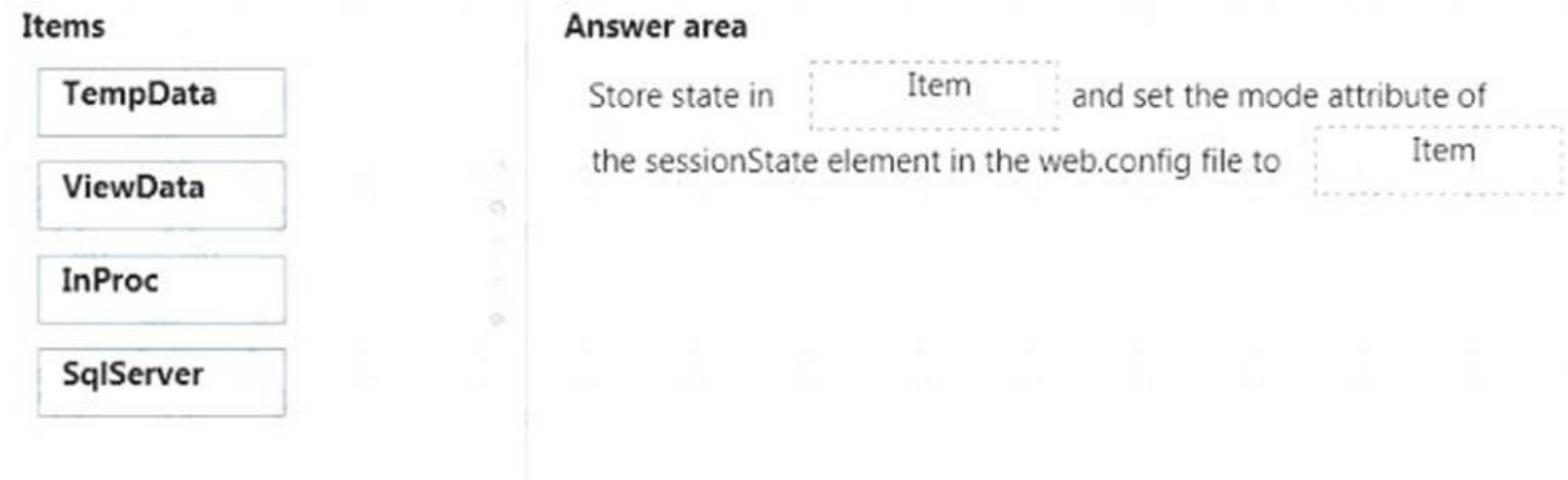
reading pens.
What should you do? (Each correct answer presents a complete solution. Choose all that apply.)

A. Annotate HTML5 content elements with Accessible Rich Internet Application (ARIA) attributes.
B. Convert HTML5 forms to XForms.
C. Ensure that HTML5 content elements have valid and descriptive names.
D. Use HTML5 semantic markup elements to enhance the pages.
E. Use Resource Description Framework (RDF) to describe content elements throughout the entire page.

Answer: ACD

Explanation: A: The aria-describedby property may be used to attach descriptive information to one or more elements through the use of an id reference list. The id reference list contains one or more unique element ids.
References: https://www.w3.org/TR/WCAG20-TECHS/ARIA1.html

NEW QUESTION 158
DRAG DROP
You are developing an ASP.NET MVC application in a web farm. The application has a page that accepts a customer's order, processes it, and then redirects the browser to a page where the order is displayed along with the shipping information.
The order information should be available only to the page where the order is displayed. You need to store state and configure the application.
What should you do? To answer, drag the appropriate item to the correct location. Each item may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.



Answer:

Explanation: Target 1: InProc
Target 2: ViewData
* InProc mode, which stores session state in memory on the Web server. This is the default. References:

NEW QUESTION 159
You deploy an ASP.NET MVC Web application to Internet Information Services (IIS). The application has a secure area that provides access to custom reports.
You must develop custom business logic to support the reports. The custom business logic has the following requirements:

- It must run each time that a report is requested.
- It must not run for other IIS requests.
- It must be mapped to the request extension of the report.
- It must be written by using a managed language that is supported by the .NET framework.

You must be able to quickly modify and deploy updates to the business logic. You need to develop the custom business logic.
What should you do?

A. Update the report logic to include the custom business logi
B. Use WebDAV to publish the reports to the server.
C. Develop a new HTTP module that includes the custom business logi
D. Deploy the HTTP module to IIS.
E. Develop a new HTTP handler that includes the custom business logi
F. Deploy the HTTP handler to IIS.
G. Develop a new ISAPI filter that includes the custom business logi
H. Deploy the ISAPI filter to IIS.

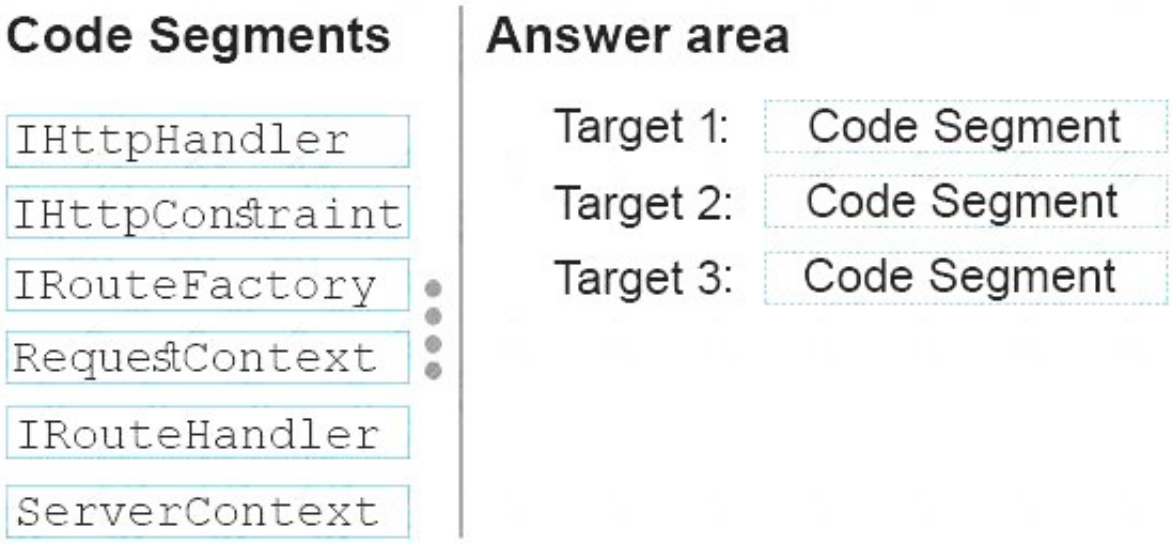
Answer: C

Explanation: An ASP.NET HTTP handler is the process that runs in response to a request that is made to an ASP.NET Web application.
ASP.NET maps HTTP requests to HTTP handlers based on a file name extension. Incorrect:
Not B: HTTP modules differ from HTTP handlers. An HTTP handler returns a response to a request that is identified by a file name extension or family of file name extensions. In contrast, an HTTP module is invoked for all requests and responses. It subscribes to event notifications in the request pipeline and lets you run code in registered event handlers.
References: https://msdn.microsoft.com/en-us/library/bb398986.aspx

NEW QUESTION 163
You are developing an ASP.NET MVC application that takes customer orders. Orders are restricted to customers with IP addresses based in the United States.
You need to implement a custom route handler.
You have the following code:

```
public class USOnlyRouteHandler : Target 1
{
    public Target 2 GetHttpHandler (Target 3
        requestContext)
    {
     return new USPIHandler (requestContext);
    }
}
```

Which code segments should you include in Target1, Target 2 and Target 3 to implement the route handler? To answer, drag the appropriate code segments to the correct targets. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.



Answer:

Explanation: Example:
This class implements IRouteHandler and has only one method “GetHttpHandler”. The main purpose of this class is to return the instance of CustomHandler class. In the constructor, we are passing the RequestContext to the handler.

```
{
public class CustomRouteHandler : IRouteHandler
{
public IHttpHandler GetHttpHandler(RequestContext requestContext)
{
return new CustomHandler(requestContext);
}
}
```

References:
http://msdn.microsoft.com/en-us/library/system.web.routing.iroutehandler.gethttphandler.aspx

NEW QUESTION 166
You are developing an asynchronous HTTP module to write log messages. The logText variable stores the message that you must log.
You need to implement the asynchronous HTTP module.

```
public class AsyncHttpModule : IHttpModule
{
  public void Init(HttpApplication context)
  {
      var taskAsyncHelper = new EventArgs();
      var taskAsyncHelper = new AsyncHttpModule();
      var taskAsyncHelper = AsyncHttpModule.LogMessage(null, null);
      var taskAsyncHelper = new EventHandlerTaskAsyncHelper(LogMessage);
  }
  private static async Task LogMessage(object sender, EventArgs e)
  {
    using (var streamWriter = new StreamWriter(@"/Logs/RequestLogs.txt", true))
    {
      var logText = String.Format("The page requested is: {0}\nRequested at: {1}",
       ((HttpApplication)sender).Context.Request.RawUrl, DateTime.Now);

      streamWriter.Flush();
      streamWriter.WriteLine(logText);
      await streamWriter.FlushAsync();
      await streamWriter.WriteLineAsync(logText);
    }
  }
}
```

Answer:

Explanation:

```
public class AsyncHttpModule : IHttpModule
{
  public void Init(HttpApplication context)
  {
      var taskAsyncHelper = new EventArgs();
      var taskAsyncHelper = new AsyncHttpModule();
      var taskAsyncHelper = AsyncHttpModule.LogMessage(null, null);
      var taskAsyncHelper = new EventHandlerTaskAsyncHelper(LogMessage);
  }
  private static async Task LogMessage(object sender, EventArgs e)
  {
    using (var streamWriter = new StreamWriter(@"/Logs/RequestLogs.txt", true))
    {
      var logText = String.Format("The page requested is: {0}\nRequested at: {1}",
       ((HttpApplication)sender).Context.Request.RawUrl, DateTime.Now);

      streamWriter.Flush();
      streamWriter.WriteLine(logText);
      await streamWriter.FlushAsync();
      await streamWriter.WriteLineAsync(logText);
    }
  }
}
```

NEW QUESTION 167

You are developing a controller for an ASP.NET MVC application that manages message board postings. The security protection built in to ASP.NET is preventing users from saving their HTML.
You need to enable users to edit and save their HTML while maintaining existing security protection measures.
Which code segment should you use?

○ A.
```
[ValidateInput(false)]
public class MessageBoardController : Controller
{
  public ActionResult SavePosting(MessageBoardPosting mbp)
  {
    SaveMessageBoardPosting(mbp);
    return View("ManagePosting");
  }
}
```

○ B.
```
public class MessageBoardController : Controller
{
  [ValidateInput(true)]
  public ActionResult SavePosting(MessageBoardPosting mbp)
  {
    SaveMessageBoardPosting(mbp);
    return View("ManagePosting");
  }
}
```

○ C.
```
[ValidateInput(true)]
public class MessageBoardController : Controller
{
  public ActionResult SavePosting(MessageBoardPosting mbp)
  {
    SaveMessageBoardPosting(mbp);
    return View("ManagePosting");
  }
}
```

○ D.
```
public class MessageBoardController : Controller
{
  [ValidateInput(false)]
  public ActionResult SavePosting(MessageBoardPosting mbp)
  {
    SaveMessageBoardPosting(mbp);
    return View("ManagePosting");
  }
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 168
You are developing an ASP.NET Core web application. The application includes a secure area only accessible to authenticated users.
The application must:

- Reside on the same server as the reverse proxy.
- Use a reverse proxy for caching and serving static content.
- Use basic authentication for the secure area.
- Use the HTTPS protocol for the secure area.
- Use the HTTPS protocol for all non-secure content. You need to deploy the application.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Use the RewriteMiddleware from Microsoft AspNetCore.Rewrite.
B. Use the ForwardedHeaders middleware from Microsoft.AspNetCore.HttpOverrides.
C. Use Http.sys as the web server for the application and Apache on Linux as the reverse proxy.
D. Use Kestrel as the web server for the application and Nginx on Linux as the reverse proxy.

Answer: AD

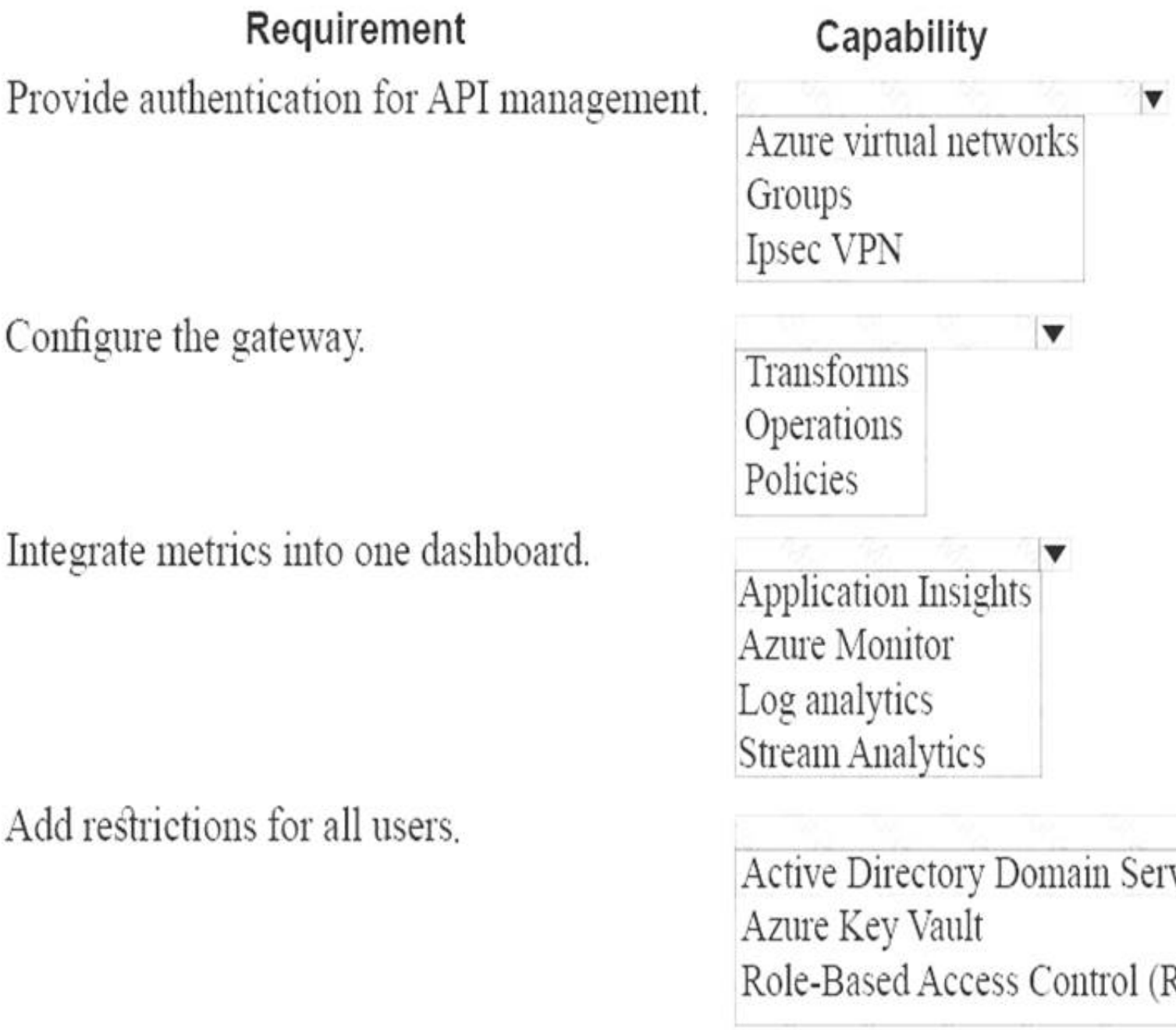
Explanation: References:
https://docs.microsoft.com/en-us/aspnet/core/fundamentals/url-rewriting?view=aspnetcore-2.1 https://docs.microsoft.com/en-us/aspnet/core/fundamentals/servers/kestrel?view=aspnetcore-2.1

NEW QUESTION 171
You manage an application that has a custom API. Your company purchases another company. Employees from the purchased company use their own Microsoft Azure Active Directory (Azure AD).
You need to reconfigure the application to ensure that all users can access the application by using the API. You have the following requirements:

- Implement authentication for Azure API management.
- Configure the API gateway for proper authorization.
- Integrate metrics into one dashboard.
- Apply additional restrictions to all roles.

What should you implement? To answer, configure the appropriate options in the dialog box in the answer area.
NOTE: Each correct selection is worth one point.

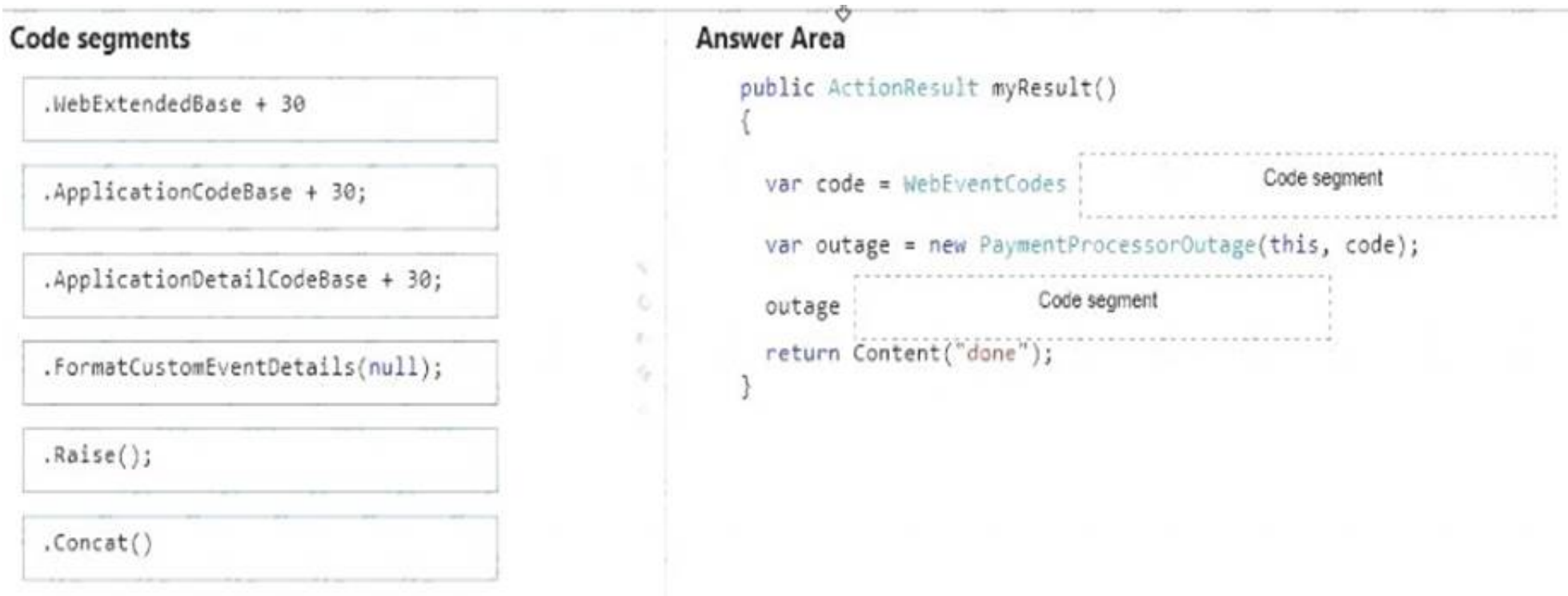
Answer Area



Answer:

Explanation: Box 1: Groups
Add an external Azure AD group
After you enable access for users in an Azure AD instance, you can add Azure AD groups in API Management. Then, you can more easily manage the association of the developers in the group with the desired products.
To configure an external Azure AD group, you must first configure the Azure AD instance on the Identities tab by following the procedure in the previous section.
You add external Azure AD groups from the Groups tab of your API Management instance. Box 2: Policies
Policies are applied inside the gateway which sits between the API consumer and the managed API. The gateway receives all requests and usually forwards them unaltered to the underlying API. However a policy can apply changes to both the inbound request and outbound response.
Box 3: Application Insights
Application Insights is an extensible Application Performance Management (APM) service for web developers on multiple platforms. Use it to monitor your live web application.
Box 4: Role-Based Access Control (RBAC) Apply additional restrictions to all roles.
Azure API Management relies on Azure Role-Based Access Control (RBAC) to enable fine-grained access management for API Management services and entities (for example, APIs and policies).
References:
https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-aad https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-policies https://docs.microsoft.com/en-us/azure/api-management/api-management-role-based-access-control

NEW QUESTION 172
DRAG DROP
You are developing an ASP.NET web application that uses health monitoring to log events to the Windows Event Log. The application contains a custom event that is defined in the following code segment. Line numbers are included for reference only.
You need to ensure that the event is correctly added to the Windows event log.
How should you complete the relevant code? To answer, drag the appropriate code segment to the correct location or locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.



Answer:

Explanation: ApplicationDetailCodeBase: Identifies the offset for the application detail event codes. This field is constant. WebRequestEvent.Raise() Raises an event by notifying any configured provider that the event has occurred. (Inherited from WebBaseEvent.)
https://msdn.microsoft.com/en-us/library/system.web.management.webrequestevent(v=vs.110).aspx

NEW QUESTION 176
DRAG DROP
You are developing an ASP.NET MVC application that takes customer orders. Orders are restricted to customers with IP addresses based in the United States.
You need to implement a custom route handler.
How should you implement the route handler? (To answer, drag the appropriate line of code to the correct location or locations. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Answer:

Explanation: References:
http://msdn.microsoft.com/en-us/library/system.web.routing.iroutehandler.gethttphandler.aspx

NEW QUESTION 178
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You are developing an ASP.NET Core MVC web application. The landing page of the application contains over 100 small JPEG images, including many images that have embedded text.
Mobile device users report performance issues when loading the landing page. You debug the application and determine that the number of HTTP requests is causing the issue.

You need to improve the performance of the landing page. Solution: Combine images into a single image and use CSS sprites.

A. Yes
B. No

Answer: A

NEW QUESTION 183
HOTSPOT
You are developing an ASP.NET MVC application that authenticates a user by using claims-based authentication.
The application must:

- Use Windows Identity Foundation 4.5.
- Support the Windows Azure Access Control Service.

You need to implement authentication.
How should you build the class constructor? (To answer, select the appropriate option from the drop-down list in the answer area.)

Work Area

```
using Microsoft.IdentityModel.Claims;

public class IdentityClaim
{
  private string _identityProvider;
  private string _identityValue;
  public const string ACSProviderClaim =
   "http://schemas.microsoft.com/accesscontrolservice/...";

  public IdentityClaim( [          ] identity)
  {
    if (identity != null)
    {
      foreach (var claim in identity.Claims)
      {
        if (claim.[          ] == [          ].NameIdentifier)
        {
          _identityValue = claim.Value;
        }
        if (claim.[          ] == ACSProviderClaim)
        {
          _identityProvider = claim.Value;
        }
      }
    }
  }
}
```

Work Area

```
using Microsoft.IdentityModel.Claims;

public class IdentityClaim
{
  private string _identityProvider;
  private string _identityValue;
  public const string ACSProviderClaim =
   "http://schemas.microsoft.com/accesscontrolservice/...";

  public IdentityClaim( [ ] identity)
```

ClaimNames
ClaimTypes
IIdentityClaims
IClaimsIdentity
ClaimType
ClaimName

```
{
  if (identity != null)
  {
    foreach (var claim in identity.Claims)
    {
      if (claim.[ ] == [ ].NameIdentifier)
```

ClaimNames
ClaimTypes
IIdentityClaims
IClaimsIdentity
ClaimType
ClaimName

ClaimNames
ClaimTypes
IIdentityClaims
IClaimsIdentity
ClaimType
ClaimName

```
      {
        _identityValue = claim.Value;
      }
      if (claim.[ ] == ACSProviderClaim)
```

ClaimNames
ClaimTypes
IIdentityClaims
IClaimsIdentity
ClaimType
ClaimName

```
      {
        _identityProvider = claim.Value;
      }
    }
  }
}
```

Answer:

Explanation: http://garvincasimir.wordpress.com/2012/04/05/tutorial-mvc-application-using-azure-acs-and-forms-authenticati

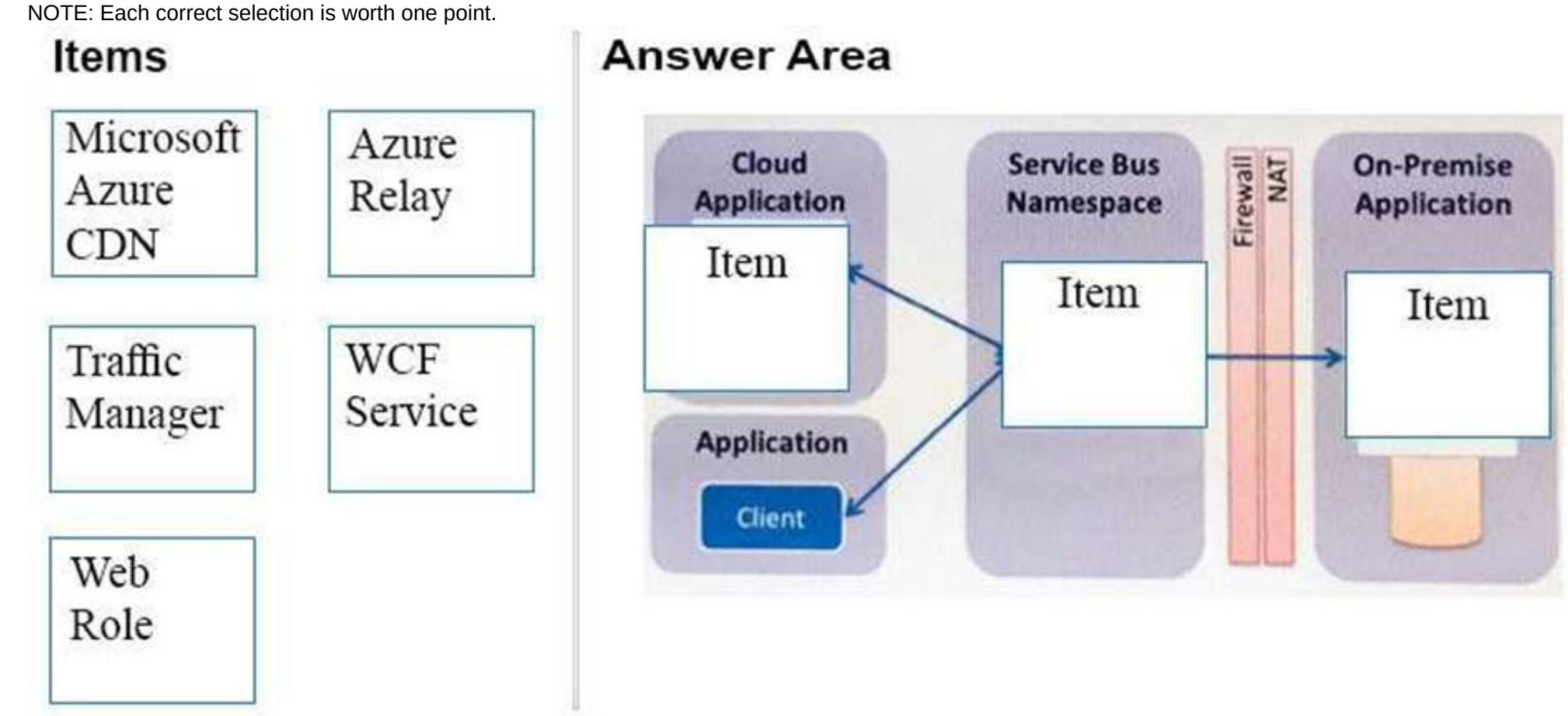
NEW QUESTION 188
A company has an enterprise library that targets the full .NET framework.
You must convert the library to target .NET Standard. You replace the original project file with a .NET Standard project file. When you compile the library, the compiler throws the following errors: error CS0579: Duplicate 'System.Reflection.AssemblyCompanyAttribute" error CS0579: Duplicate 'System.Reflection.AssemblyVersionAttribute'
You need to resolve the errors.
Which two actions should you perform? Each correct answer presents part of the solution.

A. Delete the Main folder and recompile the library.
B. Delete the Properties folder and recompile the library.
C. Add the GenerateAssemblyInfo property to the .NET Standard project file and set the value to False.
D. Add the GenerateAssemblyInfo property to the .NET Standard project file and set the value to True.

Answer: BD

NEW QUESTION 193
You are designing a hybrid application that runs across a Microsoft Azure data center and your company's on-premises enterprise environment.
You have the following requirements:
- Windows Communication Foundation (WCF) services that reside within the corporate enterprise network must be securely exposed to the public cloud.
- A firewall connection and intrusive changes to the corporate network infrastructure are not allowed. You need to design the application to meet the requirements.

How should you design the application? To answer, drag the appropriate item to the correct location or locations. Each item may be used once, more than once or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.



Answer:

Explanation: References: https://docs.microsoft.com/en-us/azure/service-bus-relay/relay-wcf-dotnet-get-started

NEW QUESTION 195
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You develop an ASP.NET Core MVC web application. You have a legacy business system that sends data to the web application by using Web API. The legacy business system uses proprietary data formats.
You need to handle the proprietary data format.
Solution: Add a custom formatter class to the Web API and implement the IOutputFormatter interface. Does the solution meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 199
You are developing an ASP.NET MVC application that will be deployed on local Internet Information Services (IIS) servers and on an Azure Web Role.

You must log events for the application when it is deployed locally and on Azure. You must not deploy additional services.
You need to implement a logging solution.
Which two technologies can you use? Each correct answer presents a complete solution.

A. event log
B. trace
C. console
D. named pipe

Answer: AB

NEW QUESTION 203
You are developing an ASP.NET MVC application.
The application provides a RESTful API for third-party applications. This API updates the information for a contact by embedding the information in the URL of an HTTP POST.
You need to save the Contact type when third-party applications use the EditContact method.
Which code segment should you use? {Each correct answer presents a complete solution. Choose all that apply.)

A.
```
public ActionResult EditContact(FormCollection values)
{
  var c = new Contact()
  {
    FirstName = values["FirstName"],
    LastName = values["LastName"]
  };
  SaveContact(c);
  return View(c);
}
```

B.
```
public ActionResult EditContact(Contact c)
{
  SaveContact(c);
  return View(c);
}
```

C.
```
public ActionResult EditContact()
{
  var c = new Contact()
  {
    FirstName = Request.QueryString["FirstName"],
    LastName = Request.QueryString["LastName"]
  };
  SaveContact(c);
  return View(c);
}
```

D.
```
public ActionResult EditContact(QueryStringValueProvider values)
{
  var c = new Contact()
  {
    FirstName = values.GetValue["FirstName"],
    LastName = values.GetValue["LastName"]
  };
  SaveContact(c);
  return View(c);
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: BC

Explanation: Basics of RESTful services:
REST stands for Representational State Transfer, it is a simple stateless architecture that runs over HTTP where each unique URL is representation of some resource. There are four basic design principles which should be followed when creating RESTful service:
* Use HTTP methods (verbs) explicitly and in consistent way to interact with resources (Uniform Interface),
i.e. to retrieve a resource use GET, to create a resource use POST, to update a resource use PUT/PATCH, and to remove a resource use DELETE.
Etc.

NEW QUESTION 207
You are developing an ASP.NET application that runs on Windows Server 2012. An exception is preventing a page from rendering.
You need to view the trace information for the page.
Which two actions should you perform? Each correct answer presents part of the solution.

A. Add the following markup segment to the web.config file: <trace mostRecent= “true/”>
B. Load the trace.axd page from the root of the website.
C. Add the traceEnable element to the Internet Information Service (IIS) Metabase section for the application.
D. Add the following markup segment to the web.config file: <trace enabled= “true/”>

Answer: BD

Explanation: D: You can control whether tracing is enabled or disabled for individual pages. If tracing is enabled, when the page is requested, ASP.NET appends to the page a series of tables containing execution details about the page request. Tracing is disabled by default.
To enable tracing for a page
You can also configure tracing in the Web.config file by setting the enabled, localOnly, and pageOutput attributes of the trace Element (ASP.NET Settings Schema)
B: To view trace details for a specific request Navigate to Trace.axd in the root of your application.
For
example, if the URL for your application is http://localhost/SampleApplication, navigate to http://localhost/SampleApplication/trace.axd to view the trace information for that application.
Select the View Details link for the request that you want to investigate. References:
https://msdn.microsoft.com/en-us/library/94c55d08.aspx https://msdn.microsoft.com/en-us/library/wwh16c6c.aspx

NEW QUESTION 209
You define a startup task in the ServiceDefinition.csdef file. The task consists of a batch file that runs a Windows PowerShell script. The script places configuration files in local storage for use in a worker role. The worker role needs this information before starting.
The worker role does not start after the startup task runs. You need to ensure that the worker role starts.
What should you do?

A. Use environment variables based on members of the RoleEnvironment class instead of static environment variables.
B. Configure the task to use the directory specified by the TEMP environment variable.
C. Ensure the task completes with an errorlevel of 0.
D. Change the task from simple to foreground.

Answer: C

Explanation: Startup tasks must end with an errorlevel (or exit code) of zero for the startup process to complete. If a startup task ends with a non-zero errorlevel, the role will not start.
Note: Startup tasks are actions that are taken before your roles begin and are defined in the ServiceDefinition.csdef file by using the Task element within the Startup element. Frequently startup tasks are batch files, but they can also be console applications, or batch files that start PowerShell scripts.

NEW QUESTION 214
You are developing an Azure worker role. You enable crash dump collection for the role. When the role starts, an external application stops responding.
You need to download the crash dump to determine why the application stops responding.
From which two locations can you download the crash dump? Each correct answer presents a complete solution.

A. Azure Blob storage
B. the temp folder on the virtual machine that is running the role instance
C. Azure file storage
D. the DiagnosticStore local resource folder on the virtual machine that is running the role instance

Answer: AD

Explanation: When you enable collection of crash dumps, the resulting data is written to the CrashDumps directory in the DiagnosticStore local resource that is automatically configured for your role.
When crash dump data is transferred to persistent storage, it is stored to the wad-crash-dumps Blob container. References:

NEW QUESTION 218
HOTSPOT
You are developing an ASP.NET MVC application to display product information. The application has two
views. The first view displays a list of product names. When you select a product name, the second view shows detailed information for the product that is selected. The product detail view receives a query string value that contains as identifier for the product that is selected.
The product controller for the application has the following requirements:

- The product list and product details must use output caching.
- The list of products must be cached daily.
- The product details view must cache data for one hour, based on the product that is selected.

You need to implement the product controller.
How should you complete the relevant code? To answer, select the appropriate code from each list in the answer area.

```
Public class ProductsController : Controller
{
  private readonly ProductDataContext _dataContext;
  public ProductsController()
  {
    _dataContext = new ProductDataContext();
  }
```

▼
[OutputCache(Duration = 1)]
[OutputCache(Duration = 24, VaryByParam = "*")]
[OutputCache(Duration = 86400, VaryByParam = "none")]
[OutputCache(Duration = int.MaxValue, NoStore = false)]

```
  public ActionResult GetProductList()
  {
    ViewData.Model = (from p in _dataContext.Products select
p).ToList();
    return View();
}
```

▼
[OutputCache(Duration = 1, VaryByParam = "id")]
[OutputCache(Duration = 60, VaryByParam = "*")]
[OutputCache(Duration = 3600, VaryByParam = "id")]
[OutputCache(NoStore = false, VaryByParam = "id")]

```
  Public ActionResult GetProductDetails(int id)
  {
    ViewData.Model = _dataContext.Products.SingleOrDefault(p =>
p.Id == id);
    return View();
  }
}
```

Answer:

Explanation: Box 1: [OutputCache(Duration = 86400, VaryByParam ="none")]
The list of products must be cached daily. One day is 86400 seconds (60*60*24).
Note: The Duration parameter is the time, in seconds, that the page or user control is cached. Setting this attribute on a page or user control establishes an expiration policy for HTTP responses from the object and will automatically cache the page or user control output.
Box 2: [OutputCache(Duration = 3600, VaryByParam ="id")]
The product details view must cache data for one hour, based on the product that is selected. One hour is 3600 seconds (60* 60).
References: https://msdn.microsoft.com/en-us/library/hdxfb6cy(v=vs.100).aspx

NEW QUESTION 220
You are developing a new ASP.NET MVC application that will be hosted on Microsoft Azure. You need to implement caching.
The caching solution must support the following:

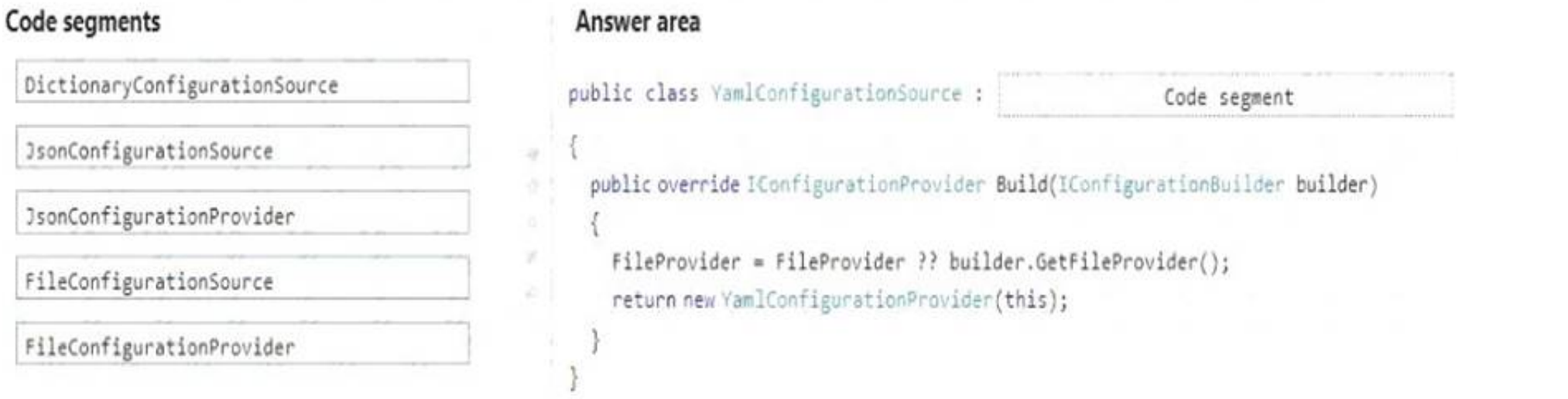
- The cache must be able to store out-of-process ASP.NET session state.
- The cache must be able to store a variety of data types.
- The cache must offer a large amount of space for cached content.
- You must be able to share output cache content across web server instances.

You need to select a cache solution.
Which caching solution should you choose?

A. ASP.NET Caching
B. Azure In-Role Cache
C. Azure Redis Cache
D. Azure Managed Cache Service

Answer: C

NEW QUESTION 224
You are developing an ASP.NET Core application. You plan to use YAML as the configuration language. You create a custom YAML configuration parser.
You need to implement a mechanism to support reading and applying these YAML configurations.
How should you complete the code? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.



Answer:

Explanation:

NEW QUESTION 228
You develop an ASP.NET MVC application that displays Information about products that a company sells. The application contains two classes named ProductController and RouteConfig
You have the following requirements:
- If a value is provided for the Id property, you must display information about an individual product.
- If no value is provided for the Id property, you must display information about all products. You need to configure routing.
How should you complete the relevant classes? to answer, select the appropriate code segment from each list in the answer area.

Answer:

Explanation:

NEW QUESTION 233
You develop an application. You deploy the application as a worker role to a staging environment in Microsoft Azure.
You receive feedback from testers that the application is throwing errors.
You need to ensure that you can remotely debug the application by using Server Explorer in Microsoft Visual Studio.
What should you do?

A. Explicitly attach the debugger to the WaWorkerHost.exe process.
B. Republish the application using the Debug build configuration.
C. In Server Explorer, right-click the application instance node and select Enable Debugging.
D. Republish the application and enable IntelliTrace.

Answer: D

Explanation: References:
https://docs.microsoft.com/en-us/visualstudio/azure/vs-azure-tools-intellitrace-debug-published-cloud-services?

NEW QUESTION 235
You are developing an ASP.NET Core MVC web application.
The application includes a C# type named InsuranceID that represents an insurance policy identifier for a customer. Each instance of InsuranceID is five alphanumeric characters followed by a dash and then four numbers (for example, abl2x-2323).
You need to ensure that Controller actions can accept values of type InsuranceID.
What are two possible ways to achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. Implement the IBinderTypeProviderMetadata interface.
B. Implement the IModelBinder interface.
C. Use a TypeConverter object.
D. Implement the IBindingSourceMetadata interface.
E. Implement the ITypeComp interface.

Answer: AC

NEW QUESTION 236
You are developing an ASP.NET MVC application that uses forms authentication. The user database contains a user named OrderAdmin.
You have the following requirements:

- You must allow all users to access the GetOrders method.
- You must restrict access to the EditOrder method to the user named OrderAdmin.

You need to implement the controller to meet the requirements.
Which code segment should you use? (Each correct answer presents a complete solution. Choose all that apply.)

A.
```
[Authorize(Roles = "Anonymous")]
public class OrderController : Controller
{
  public ActionResult GetOrders()
  {
    ...
    return View();
  }

  [Authorize(Users = "OrderAdmin")]
  public ActionResult EditOrder()
  {
    ...
    return View();
  }
}
```

B.
```
[Authorize]
public class OrderController : Controller
{
  [AllowAnonymous]
  public ActionResult GetOrders()
  {
    ...
    return View();
  }
  [Authorize(Users = "OrderAdmin")]
  public ActionResult EditOrder()
  {
    ...
    return View();
  }
}
```

C.
```
[Authorize]
public class OrderController : Controller
{
  [Authorize(Roles="Anonymous")]
  public ActionResult GetOrders()
  {
    ...
    return View();
  }

  [Authorize(Users = "OrderAdmin")]
```

```
    public ActionResult EditOrder()
    {
      ...
      return View();
    }
}
```

D

```
[Authorize]
public class OrderController : Controller
{
  [AllowAnonymous]
  public ActionResult GetOrders()
  {
    ...
    return View();
  }

  [Authorize]
  public ActionResult EditOrder()
  {
    if (this.HttpContext.User.Identity.Name != "OrderAdmin")
    {
      return RedirectToAction("Login", "Account", new

    { ReturnUrl = "/Order/EditOrder" });

    }
    else
    {
      ...
      return View();
    }
  }
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

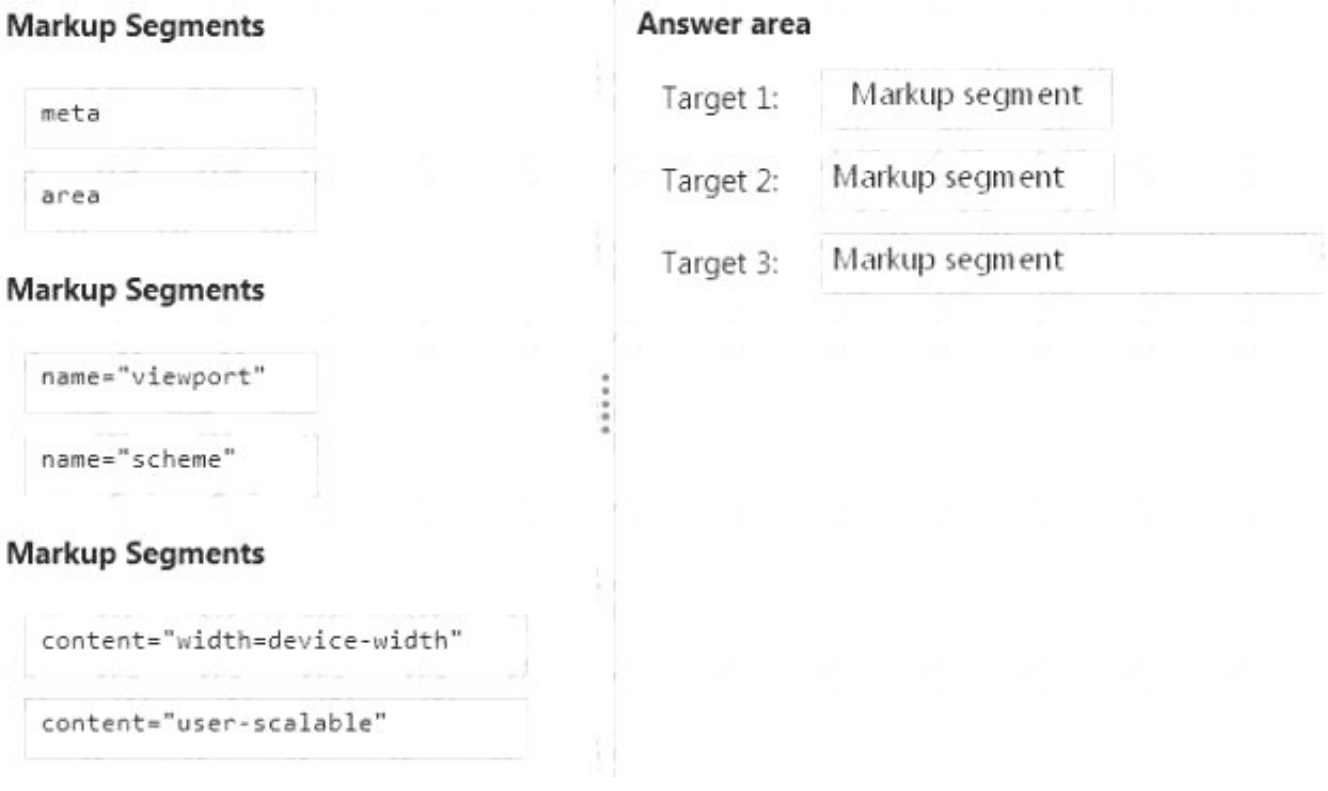
Explanation: With MVC4 a new attribute has been introduced, namely the [AllowAnonymous] attribute. Together with the [Authorize] attribute, you can now take a white-list approach instead. The white-list approach is accomplished by dressing the entire controller with the [Authorize] attribute, to force authorization for all actions within that controller. You can then dress specific actions, that shouldn't require authorization, with the [AllowAnonymous] attribute, and thereby white-listing only those actions. With this approach, you can be confident that you don't, by accident, forget to dress an action with the [Authorize], leaving it available to anyone, even though it shouldn't.
References:
http://stackoverflow.com/questions/9727509/how-to-allow-an-anonymous-user-access-to-some-given-page-in-m

NEW QUESTION 240
DRAG DROP
You are building an ASP.NET MVC web application.
The application will be viewed by users on their mobile phones.
You need to ensure that the page fits within the horizontal width of the device screens. You have the following markup:

```
<!DOCTYPE html>
<html>
<head>
  <title>@ViewBag.Title</title>
  <Target 1 Target 2 Target 3>
  <link href="@Url.Content("~/Content/Site.css")"
    rel="stylesheet" type="text/css" />
  <script src="@Url.Content("~/Scripts/jquery-1.6.2.min.js")"
    type="text/javascript"></script>
</head>
<body>
```

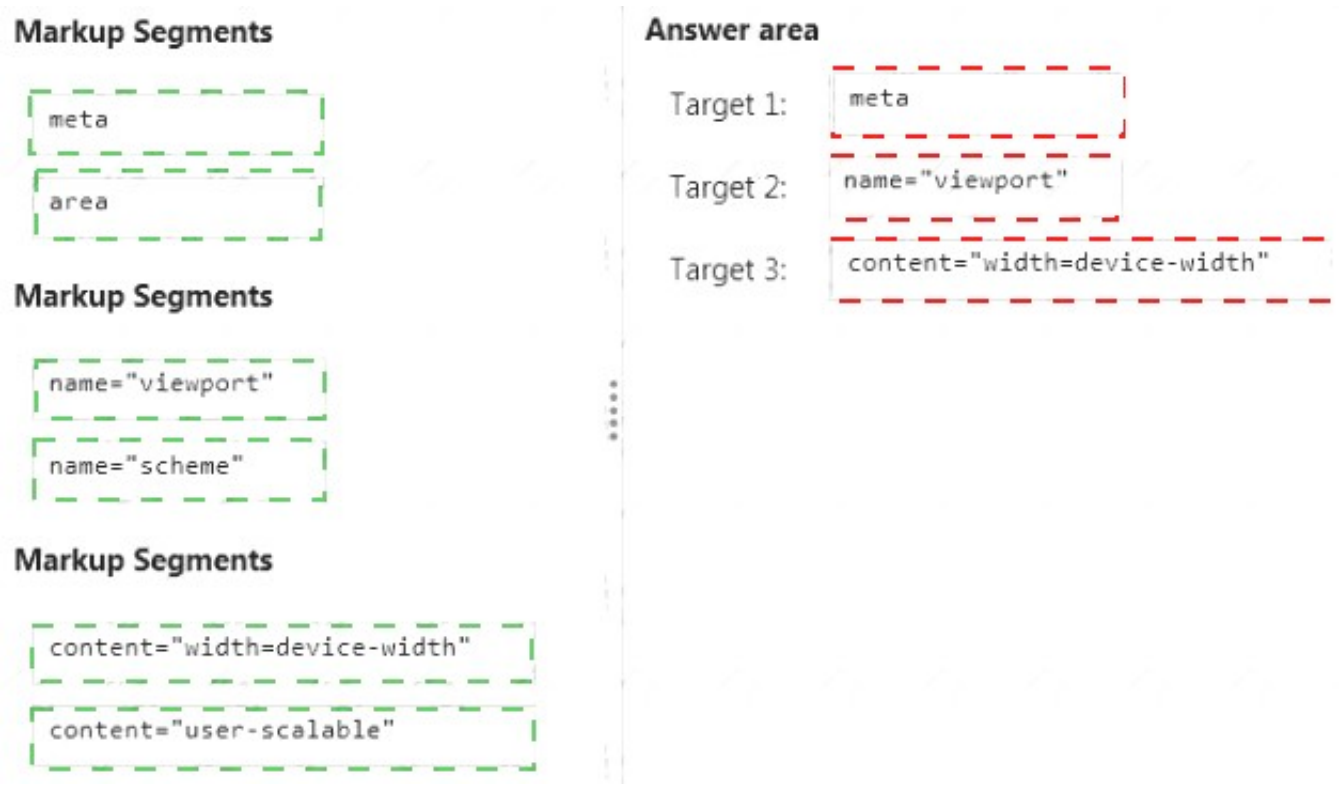
Which markup segments should you include in Target 1, Target 2 and Target 3 to complete the markup? (To answer, drag the appropriate markup segments to the

correct targets. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)



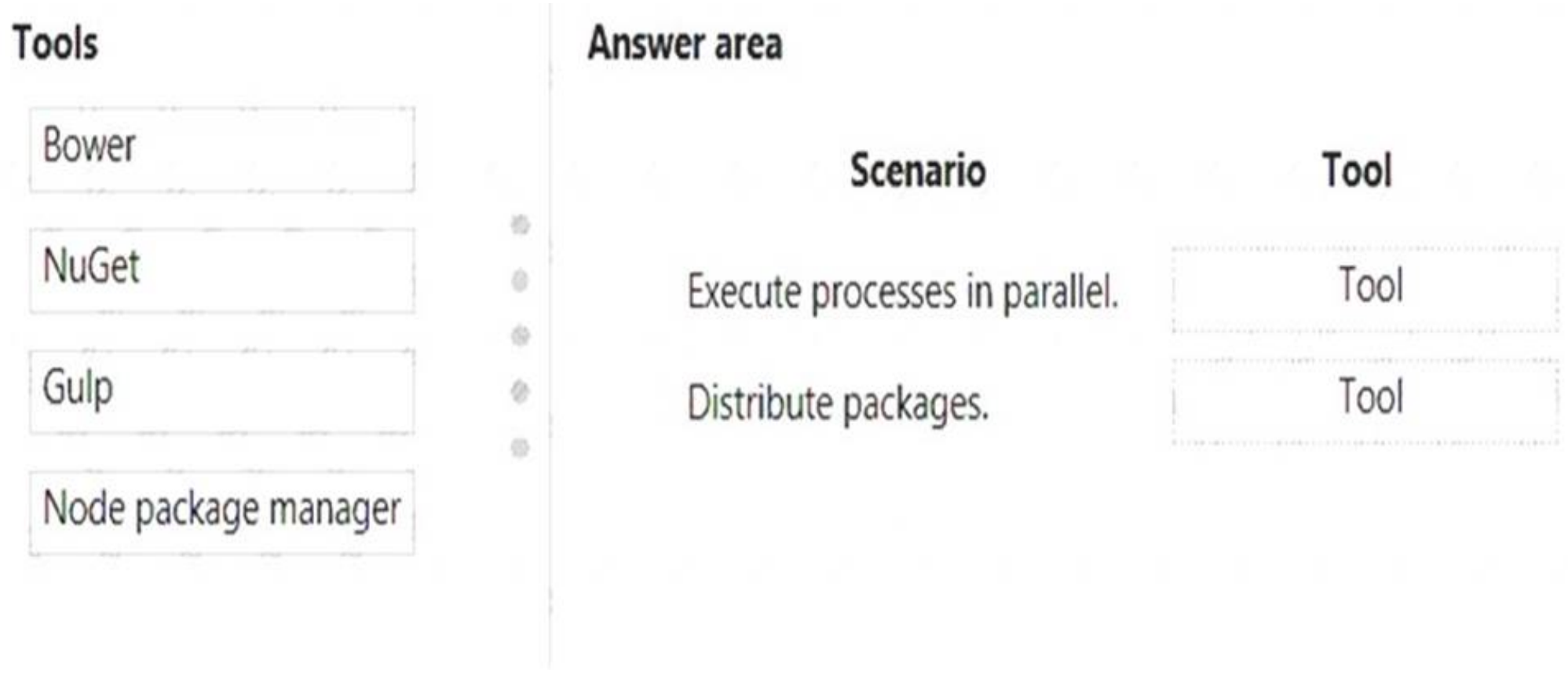
Answer:

Explanation:



NEW QUESTION 244

You are developing an ASP.NET Core web application in Microsoft Visual Studio. The project uses a file named package.json in reusable packages.
You must automate the build process to use a script minification strategy. Script minification must happen in parallel.
You need to ensure you can share and distribute packages and run the minification strategy.
Which tools should you use? To answer, drag the appropriate tools to the correct scenarios. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.



Answer:

Explanation: References:
https://docs.microsoft.com/en-us/aspnet/core/client-side/using-gulp?view=aspnetcore-2.1

NEW QUESTION 249
You are developing an ASP.NET MVC application that enables you to edit and save a student object. The application must not retrieve student objects on an HTTP POST request.
You need to implement the controller.
Which code segment should you use? (Each correct answer presents a complete solution. Choose all that apply.)

☐A.
```
public ActionResult EditStudent(int id, Student s)
{
  if (this.HttpContext.Request["ActionName"] == "GET")
  {
    c = RetrieveStudent(id);
  }

  if (this.HttpContext.Request["ActionName"] == "POST")
  {
    SaveStudent(s);
  }
  return View(s);
}
```

☐B.
```
[ActionName("GET")]
public ActionResult EditStudent(int id)
{
  var c = RetrieveStudent(id);
  return View(s);
}

[ActionName("POST")]
public ActionResult EditStudent(int id, Student s)
{
  SaveStudent(s);
  return View(s);
}
```

☐C.
```
[HttpGet]
public ActionResult EditStudent(int id)
{
  var c = RetrieveStudent(id);
  return View(s);
}

[HttpPost]
public ActionResult EditStudent(int id, Student s)
{
  SaveStudent(s);
  return View(s);
}
```

☐D.
```
public ActionResult EditStudent(int id, Student s)
{
  if (this.HttpContext.Request.RequestType == "GET")
  {
    c = RetrieveStudent(id);
  }

  if (this.HttpContext.Request.RequestType == "POST")
  {
    SaveStudent(s);
  }
  return View(c);
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: CD

NEW QUESTION 252

You are developing an ASP.NET MVC application that enables you to edit and save a student object. The application must not retrieve student objects on an HTTP POST request.
You need to implement the controller.
Which code segment should you use? (Each correct answer presents a complete solution. Choose all that apply.)

☐ A.
```
public ActionResult EditStudent(int id, Student s)
{
  if (this.HttpContext.Request.RequestType == "GET")
  {
    var s = RetrieveStudent(id);
  }

  if (this.HttpContext.Request.RequestType == "POST")
  {
    SaveStudent(s);
  }
  return View(s);
}
```

☐ B.
```
public ActionResult EditStudent(int id, Student s)
{
  if (this.HttpContext.Request["ActionName"] == "GET")
  {
    var s = RetrieveStudent(id);
  }

  if (this.HttpContext.Request["ActionName"] == "POST")
  {
    SaveStudent(s);
  }
  return View(s);
}
```

☐ C.
```
[HttpGet]
public ActionResult EditStudent(int id)
{
  var s = RetrieveStudent(id);
  return View(s);
}

[HttpPost]
public ActionResult EditStudent(int id, Student s)
{
  SaveStudent(s);
  return View(s);
}
```

☐ D.
```
[ActionName("GET")]
public ActionResult EditStudent(int id)
{
  var s = RetrieveStudent(id);
  return View(s);
}

[ActionName("POST")]
public ActionResult EditStudent(int id, Student s)
{
  SaveStudent(s);
  return View(s);
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: AC

NEW QUESTION 256
You are building an ASP.NET application. You develop the following unit test code. Line numbers are included for reference only.
1 [TestClass]
2 public class UnitTest1 03 {
04 protected string _name; 05 protected float _expenses; 06 protected float _income; 07 protected float _payment; 08 protected float _balance;
09 public void AddCustomer(string name, float income, float payment, float balance) 10 {
11 _name = name;
12 _expenses = expenses; 13 _income = income;
14 _payment = payment; 15 _balance = balance; 16 CheckName();
17 DebRatio();
18 CheckBalance();
19 }
20 [TestMethod]
21 public void CheckName() 22 {
23 Assert.IsNotNull(_name, “CheckName failed unit test”); 24 }
25 [TestMethod]

```
26 public void DebRatio() 27 {
28 Assert.AreSame(_income, _payment, “DebRatio failed unit test”); 29 }
30 [TestMethod]
31 public void CheckBalance() 32 {
33 Assert.IsTrue(_balance >= 0.0f, Check balance failed unit test.”); 34 }
35}
```

You run the following line of code: AddCustomer(“Contoso”, 0, 100, 100, -1);
You need to evaluate the unit test results. For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer Area

	Yes	No
The assertion at Line 23 will pass.	O	O
The assertion at Line 28 will pass.	O	O
The assertion at Line 33 will pass.	O	O

Answer:

Explanation: Box 1: Yes
Line 23 is Assert.IsNotNull(_name, “CheckName failed unit test”);
_name is "Contoso" so the assertion will succeed. Box 2: No
Line 289 is Assert.AreSame(_income, _payment, “DebRatio failed unit test”);
_income is 0 and payment is 100. The assertion will fail. Box 3: No
Line 33 is Assert.IsTrue(_balance >= 0.0f, Check balance failed unit test.”);
_balance is -1. The assertion will fail.

NEW QUESTION 259
You develop a web application locally in Microsoft Visual Studio. You use the App Service Kudu deployment engine.
Changes to the online repository are not automatically reflected in the web application. You need to ensure that changes to the application will be deployed automatically. What should you do?

A. Create a .gitignore file and remove tracking from the ignored files.
B. Remove the .sin file from the online repository.
C. Create a new Git origin for the project.
D. Set up continuous deployment options in VSTS to match the options in Microsoft Azure App Services.

Answer: D
Explanation: xplanation: References:
https://docs.microsoft.com/en-us/azure/app-service/app-service-continuous-deployment

NEW QUESTION 261
DRAG DROP
You are developing an ASP.NET MVC application that has pages for users who browse the site with Windows Phone 7.
The pages for Windows Phone 7 include the following files:

- _Layout.WP7.cshtml
- Index.WP7.cshtml

You need to update the application so that it renders the customized files correctly to Windows Phone 7 users. How should you update the Application_Start method? (To answer, drag the appropriate line of code to the correct location or locations. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

```
DefaultDisplayMode("WP7")
("Windows Phone OS",
StringComparison.OrdinalIgnoreCase
DefaultDisplayMode("Mobile")
("Mobile",
AreaRegistration.RegisterAllDevices();
```

```
protected void Application_Start()
{
    DisplayModeProvider.Instance.Modes.Insert(0, new

    {
        ContextCondition = (context =>
            context.GetOverriddenUserAgent().IndexOf

                                                    ) >= 0)

    });

    AreaRegistration.RegisterAllAreas();
```

Answer:

Explanation: http://techbrij.com/1013/display-mode-mobile-tablet-tv-aspnet-mvc

NEW QUESTION 264
You are developing an ASP.NET MVC application that uses forms authentication. The application uses SQL queries that display customer order data.
You need to prevent all SQL injection attacks against the application.
How should you secure the queries?

A. Implement parameterization.
B. Pattern check the input.
C. Filter out prohibited words in the input.
D. Escape single quotes on string-based input parameters.

Answer: A

Explanation: With most development platforms, parameterized statements that work with parameters can be used (sometimes called placeholders or bind variables) instead of embedding user input in the statement. A placeholder can only store a value of the given type and not an arbitrary SQL fragment. Hence the SQL injection would simply be treated as a strange (and probably invalid) parameter value.
References:

NEW QUESTION 269
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You develop an ASP.NET web application that is self-hosted using Open Web Interface for .NET (OWIN) in a Microsoft Azure Worker role.
The web application throws exceptions. You need to resolve the exceptions.
Solution: Reference System.Web.dll to run in a custom host. Does the solution meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 274
You plan to deploy an ASP.NET Core MVC web application to a Docker container. The root folder for the web application folder has a Windows PowerShell script named publish.ps1. The script contains the following code:

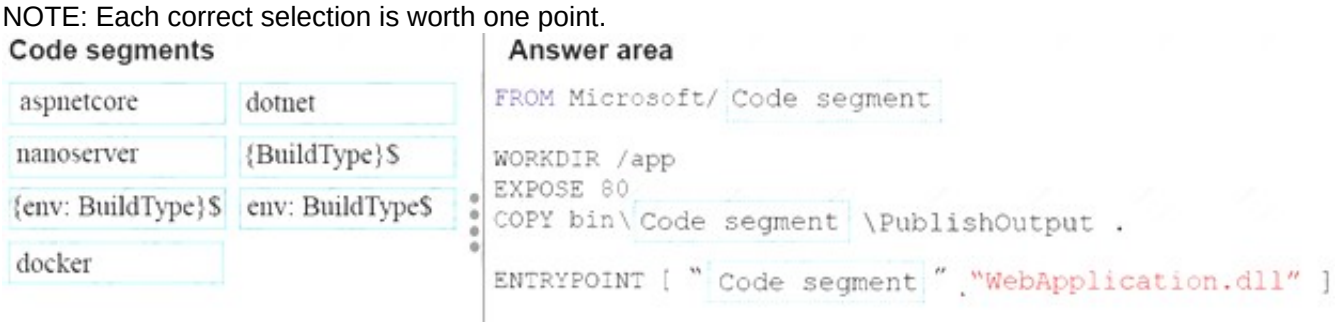
```
param ([string] $buildConfig)

$env: BuildType = $buildConfig

dotnet publish -c $buildConfig

docker build -t app.
```

You need to ensure that the Docker container can be deployed.
How should you complete the code? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.



Answer:

Explanation: Example:
FROM microsoft/aspnetcore WORKDIR /app
COPY --from=builder /app . ENTRYPOINT ["dotnet", "myapp.dll"] Box 1: aspnetcore
From the DockerFile, you specify what base Docker image you'll be using (like using "FROM microsoft/dotnet:1.0.0-core").
Box 2: env:BuildType$
Box 3: dotnet

NEW QUESTION 275
You are authoring unit tests.
The unit tests must test code that consumes sealed classes.
You need to create, maintain, and inject dependencies in the unit tests. Which isolation method should you use?

A. T4 text templates and code generation
B. Stub types
C. Shim types
D. Hard-coded implementation

Answer: C

Explanation: Shim types are one of two technologies that the Microsoft Fakes Framework uses to let you easily isolate components under test from the environment. Shims divert calls to specific methods to code that you write as part of your test. Many methods return different results dependent on external conditions, but a shim is under the control of your test and can return consistent results at every call. This makes your tests much easier to write.
References:
http://msdn.microsoft.com/en-us/library/hh549176.aspx

NEW QUESTION 277
You are maintaining a load-balanced ASP.NET MVC web application. The load balancer uses the status endpoint to determine if the instance is healthy.
You monitor the application uptime by using multiple App Insight URL ping tests on the status endpoint. You track request latency for the application in Microsoft Azure Application Insight.
Your DevOps team reports that the application is behaving in unexpected ways. The latency of most requests is the same. Application Insights often falls back to sampling, and the sampling period is very high.
You need to ensure that the application provides the correct information.
How should you complete the code? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Code segments

ITelemetryProcessor

ITelemetry

TelemetryContext

ITelemetryChannel

RequestTelemetry

Answer area

```
public class NoiseReducer : [ code segment ]
{
    private readonly ITelemetryProcessor Next;
    public NoiseReducer(ITelemetryProcessor next)
    {
     Next = next;
    }
    public void Process(ITelemetry item)
    {
     var request = item as [ code segment ]
     if (request == null || !request.Url.AbsolutePath.EndsWith("status" ))
     {
         Next.Process(item);
     }
    }
}
```

Answer:

Explanation:

Code segments

ITelemetryProcessor

ITelemetry

TelemetryContext

ITelemetryChannel

RequestTelemetry

Answer area

```
public class NoiseReducer : ITelemetryProcessor
{
    private readonly ITelemetryProcessor Next;
    public NoiseReducer(ITelemetryProcessor next)
    {
     Next = next;
    }
    public void Process(ITelemetry item)
    {
     var request = item as RequestTelemetry
     if (request == null || !request.Url.AbsolutePath.EndsWith("status" ))
     {
         Next.Process(item);
     }
    }
}
```

NEW QUESTION 278
You are developing a controller for an ASP.NET MVC application that manages blog postings. The security protection built in to ASP.NET is preventing users from saving their HTML.
You need to enable users to edit and save their HTML while maintaining existing security protection measures.
Which code segment should you use?

A.
```
[ValidateInput(true)]
public class BlogController : Controller
{
  public ActionResult SavePosting(BlogPosting bp)
  {
    SaveBlogPosting(bp);
    return View("ManagePosting");
  }
}
```

B.
```
public class BlogController : Controller
{
  [ValidateInput(true)]
  public ActionResult SavePosting(BlogPosting bp)
  {
    SaveBlogPosting(bp);
    return View("ManagePosting");
  }
}
```

C.
```
public class BlogController : Controller
{
  [ValidateInput(false)]
  public ActionResult SavePosting(BlogPosting bp)
  {
    SaveBlogPosting(bp);
    return View("ManagePosting");
  }
}
```

D.
```
[ValidateInput(false)]
public class BlogController : Controller
{
  public ActionResult SavePosting(BlogPosting bp)
  {
    SaveBlogPosting(bp);
    return View("ManagePosting");
  }
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

Explanation: Example: ValidateInput at Action Method Level
The user can submit Html for this action method successfully with the following code. public class HomeController : Controller
{
public ActionResult AddArticle()
{
return View();

```
}
[ValidateInput(false)] [HttpPost]
public ActionResult AddArticle(BlogModel blog)
{
if (ModelState.IsValid)
{
}
return View();
}
}
```

References:
http://www.dotnettricks.com/learn/mvc/html-submission-by-validateinput-and-allowhtml-attribute-in-mvc4

NEW QUESTION 282
You are designing an MVC web application.
The view must be as simple as possible for designers who do not have a technical background. You need to combine two existing models to meet the requirement.
Which component of the MVC framework should you use?

A. View
B. View Model
C. Controller
D. Model

Answer: B

NEW QUESTION 283
You develop an ASP.NET MVC application. The application has several Razor views. The application must execute different server-side code for desktop and mobile devices. You need to choose an approach to support mobile devices.
Which two approaches can you use? Each correct answer presents a complete solution.

A. Use different controllers and view for both desktop and mobile browsers, but render the views using Bootstrap framework.
B. Create separate areas for desktop and mobile browsers, implementing independent controllers and views for each.
C. Use the same controllers for both desktop and mobile browsers, but render different views depending on the device type.
D. Use different controllers and views for both desktop and mobile browsers, but render the views with the same Razor layout depending on the device type.

Answer: AC

Explanation: How ASP.NET MVC applications can present mobile-specific pages
Since the Model-View-Controller pattern decouples application logic (in controllers) from presentation logic (in views), you can choose from any of the following approaches to handling mobile support in server-side code:
References:
https://docs.microsoft.com/en-us/aspnet/whitepapers/add-mobile-pages-to-your-aspnet-web-forms-mvc-applicat

NEW QUESTION 284
DRAG DROP
You are developing an ASP.NET MVC application in Visual Studio 2012. The application contains sensitive bank account data.
The application contains a helper class named SensitiveData.Helpers.CustomEncryptor.

```
public class CustomEncryptor
{
  public string Encrypt(string plaintext)
  {
    ...
  }
}
```

The application contains a controller named **BankAccountController** with two actions.

```
public class BankAccountController : Controller
{
  public ActionResult GetAccounts()
  {
    ...
  }

  public ActionResult EditAccount(string maskedAccountNum)
  {
    ...
  }
}
```

The application contains a model named **BankAccount**, which is defined in the following code segment.

```
public class BankAccount
{
  public string AccountNumber { get; set; }
  public string AccountName { get; set; }
  public double Balance { get; set; }
}
```

The application must not display AccountNumber in clear text in any URL. You need to build the view for the GetAccounts action.
How should you build the view? (To answer, drag the appropriate code segment to the correct location or locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

custEncrypt

maskedAccountNum

Html

Encrypt(item.AccountNumber)

Encode(item.AccountNumber)

```
@model IEnumerable<SensitiveData.Models.GamerAccount>
@{SensitiveData.Helpers.CustomEncryptor custEncrypt =
      new SensitiveData.Helpers.CustomEncryptor();}
<h2>GetAccounts</h2>
<table>
    <tr>
        <th>Account Name</th>
        <th>Balance</th>
    </tr>
    @foreach (var item in Model)
    {
        <tr>
            <td>@Html.DisplayFor(modelItem => item.AccountName)</td>
            <td>@Html.DisplayFor(modelItem => item.Highscore)</td>
            <td>
                @Html.ActionLink("Edit", "EditAccount",
                    new {
                                                                =
                                                    .
                                                                })
                </td>
            </tr>
    }
</table>
```

Answer:

Explanation:

custEncrypt

maskedAccountNum

Html

Encrypt(item.AccountNumber)

Encode(item.AccountNumber)

```
@model IEnumerable<SensitiveData.Models.GamerAccount>
@{SensitiveData.Helpers.CustomEncryptor custEncrypt =
      new SensitiveData.Helpers.CustomEncryptor();}
<h2>GetAccounts</h2>
<table>
    <tr>
        <th>Account Name</th>
        <th>Balance</th>
    </tr>
    @foreach (var item in Model)
    {
        <tr>
            <td>@Html.DisplayFor(modelItem => item.AccountName)</td>
            <td>@Html.DisplayFor(modelItem => item.Highscore)</td>
            <td>
                @Html.ActionLink("Edit", "EditAccount",
                    new {
                        maskedAccountNum = custEncrypt.Encrypt(item.AccountNumber)
                    })
            </td>
        </tr>
    }
</table>
```

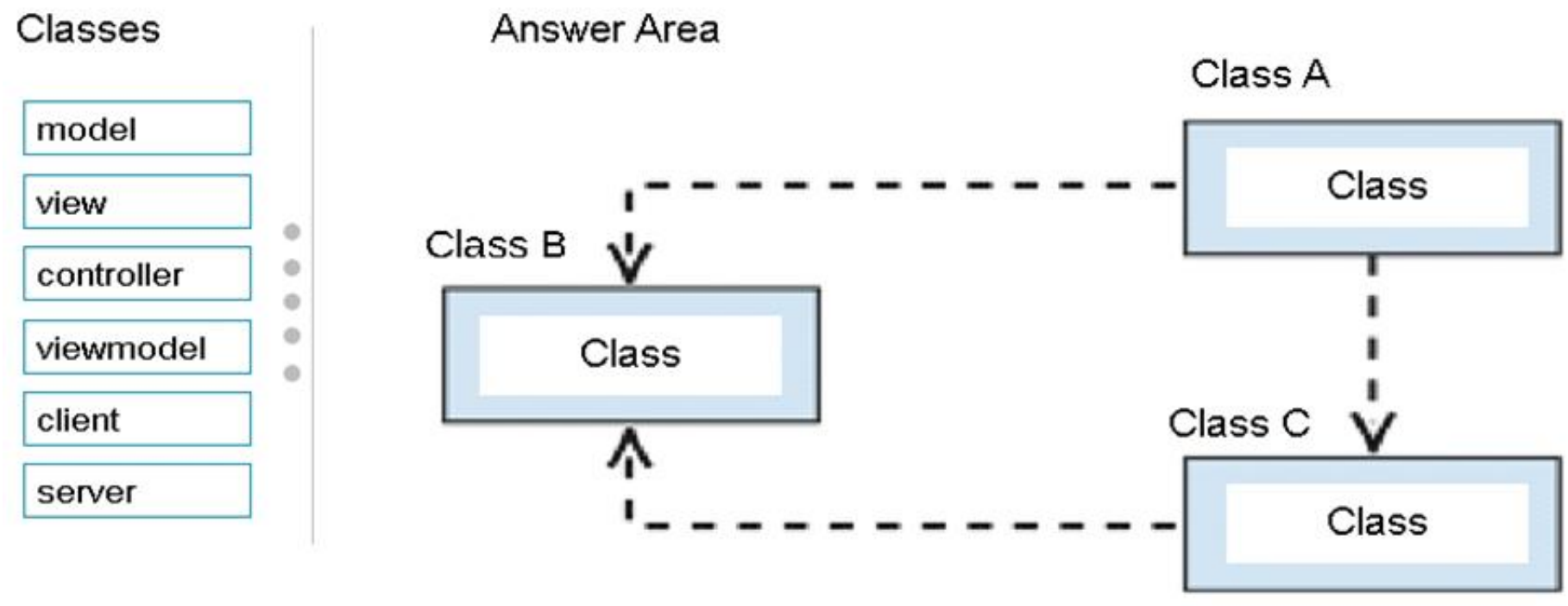
NEW QUESTION 288
You are developing an ASP.NET MVC application.
You need to authenticate clients by using an ASP.NET membership database. Which authentication method should you implement?

A. Kerberos
B. Windows
C. Forms
D. Basic

Answer: C

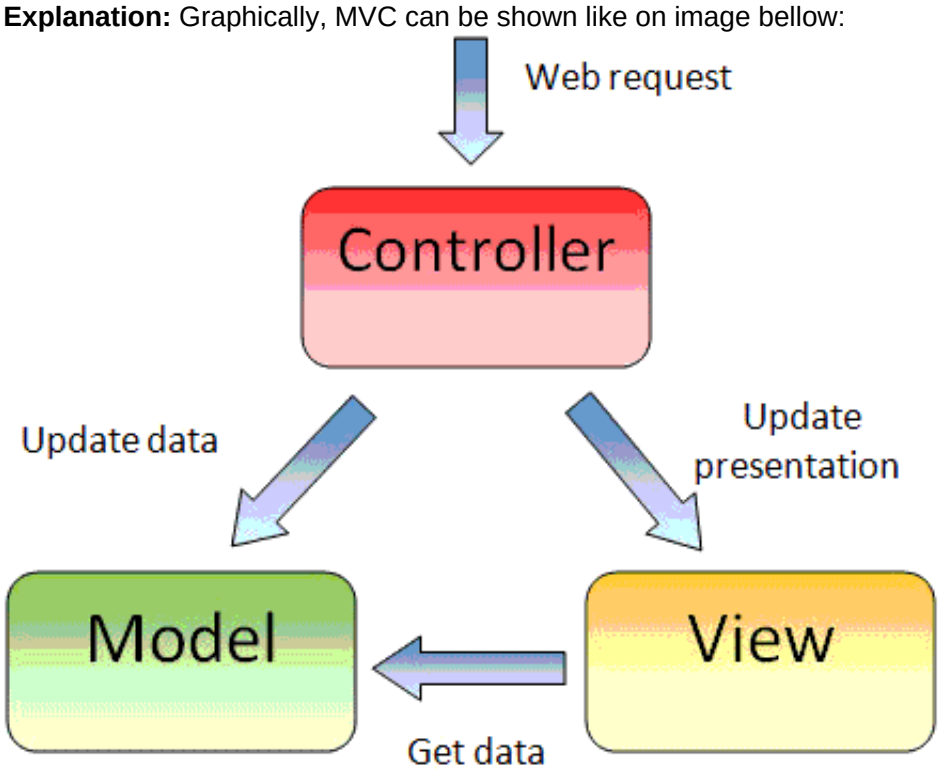
Explanation: To use authentication through a membership database, you must first configure it for your site. The following are the basic steps you follow in order to configure membership: References: https://msdn.microsoft.com/en-us/library/yh26yfzy.aspx

NEW QUESTION 291
DRAG DROP
You plan a new ASP. NET MVC application.
The application uses the Model-View Controller (MVC) pattern to separate the modeling of the domain, the presentation, and the actions. This separation is based on user input into three separate classes.
You need to diagram the structural relationship between the three classes.
What should you do? To answer, drag the appropriate class to the correct location or locations. Each class name may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.



Answer:

Explanation: Graphically, MVC can be shown like on image bellow:



References:
http://www.beansoftware.com/ASP.NET-Tutorials/Intro-ASP.NET-MVC.aspx

NEW QUESTION 296
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You are developing an ASP.NET Core MVC web application. The landing page of the application contains over 100 small JPEG images, including many images that have embedded text.
Mobile device users report performance issues when loading the landing page. You debug the application and determine that the number of HTTP requests is causing the issue.
You need to improve the performance of the landing page. Solution: Convert the images to SVG.
Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation: Converting the images to Scalable Vector Graphics (SVG) does not reduce the number of HTTP requests.

NEW QUESTION 299
You are designing a distributed application that runs on the Windows Azure platform.
The application must store a small amount of insecure global information that does not change frequently. You need to configure the application to meet the requirements.
Which server-side state management option should you use? (Each correct answer presents a complete solution. Choose all that apply.)

A. Windows Azure application state
B. SQL Azure
C. Profile properties of the Windows Azure application
D. Windows Azure session state

Answer: B

Explanation: SQL Database provides a relational database management system for Windows Azure and is based on SQL Server technology. With a SQL Database instance, you can easily provision and deploy relational database solutions to the cloud, and take advantage of a distributed data center that provides enterprise-class availability, scalability, and security with the benefits of built-in data protection and self-healing.
Incorrect:
Not A: Application State does not exist in Azure.
Not C: Profile properties stores personal, not global, information.
Not D: Session state is not global. Session states handles user information such as cookies, hidden fields, and query strings are some client-side options to tracking user state

NEW QUESTION 300
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You develop an ASP.NET web application that is self-hosted using Open Web Interface for .NET (OWIN) in a Microsoft Azure Worker role.
The web application throws exceptions. You need to resolve the exceptions.
Solution: Change the HTTP Endpoints to use port 80. Does the solution meet the goal?

A. Yes
B. No

Answer: A

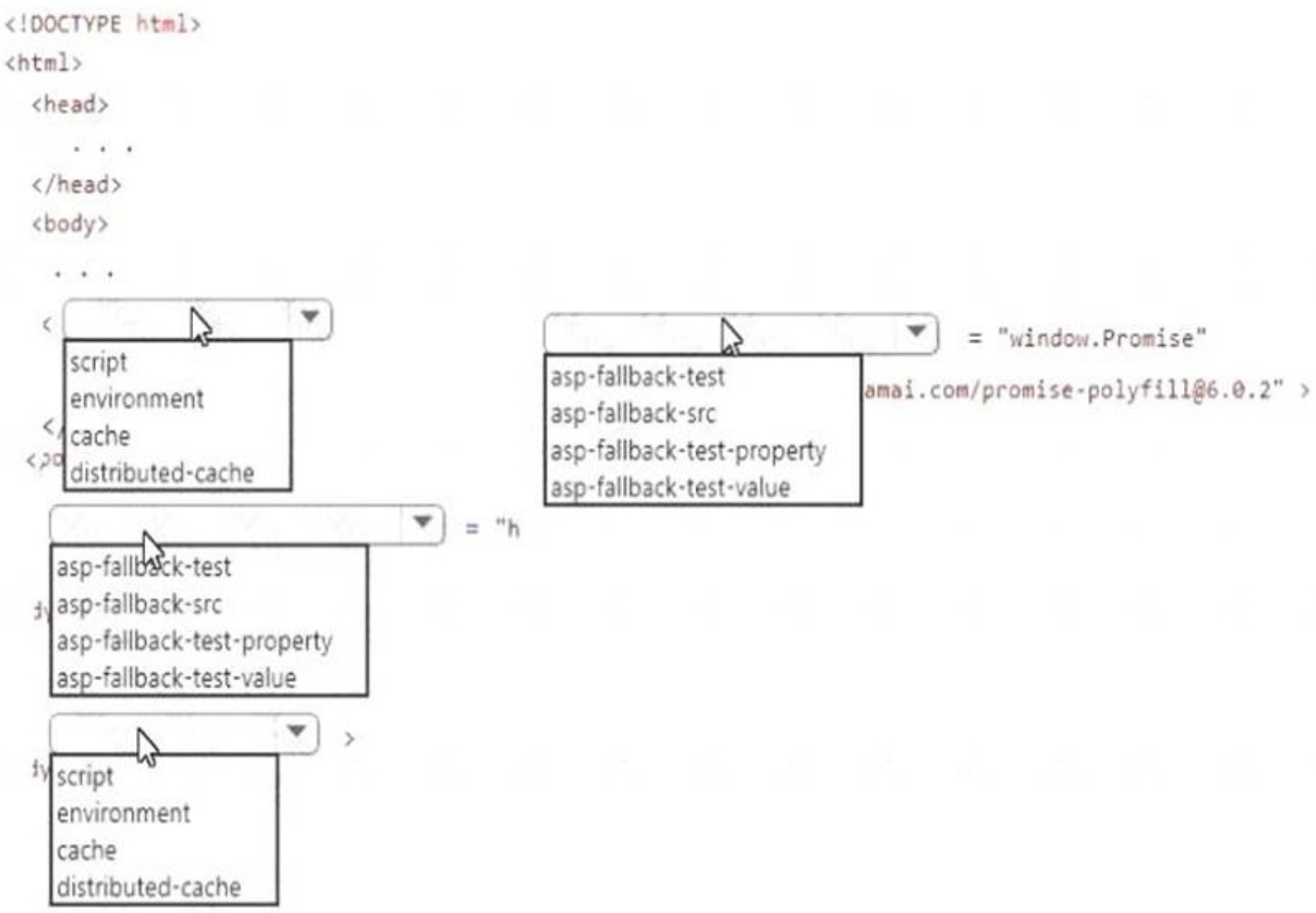
NEW QUESTION 301
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You are developing an ASP.NET Core MVC web application. The landing page of the application contains over 100 small JPEG images, including many images that have embedded
Mobile device users report performance issues when loading the landing page. You debug the application and determine that the number of HTTP requests is causing the issue.
You need to improve the performance of the landing page.
Solution: Convert all images to JPEG with a high compression ratio.

A. Yes
B. No

Answer: B

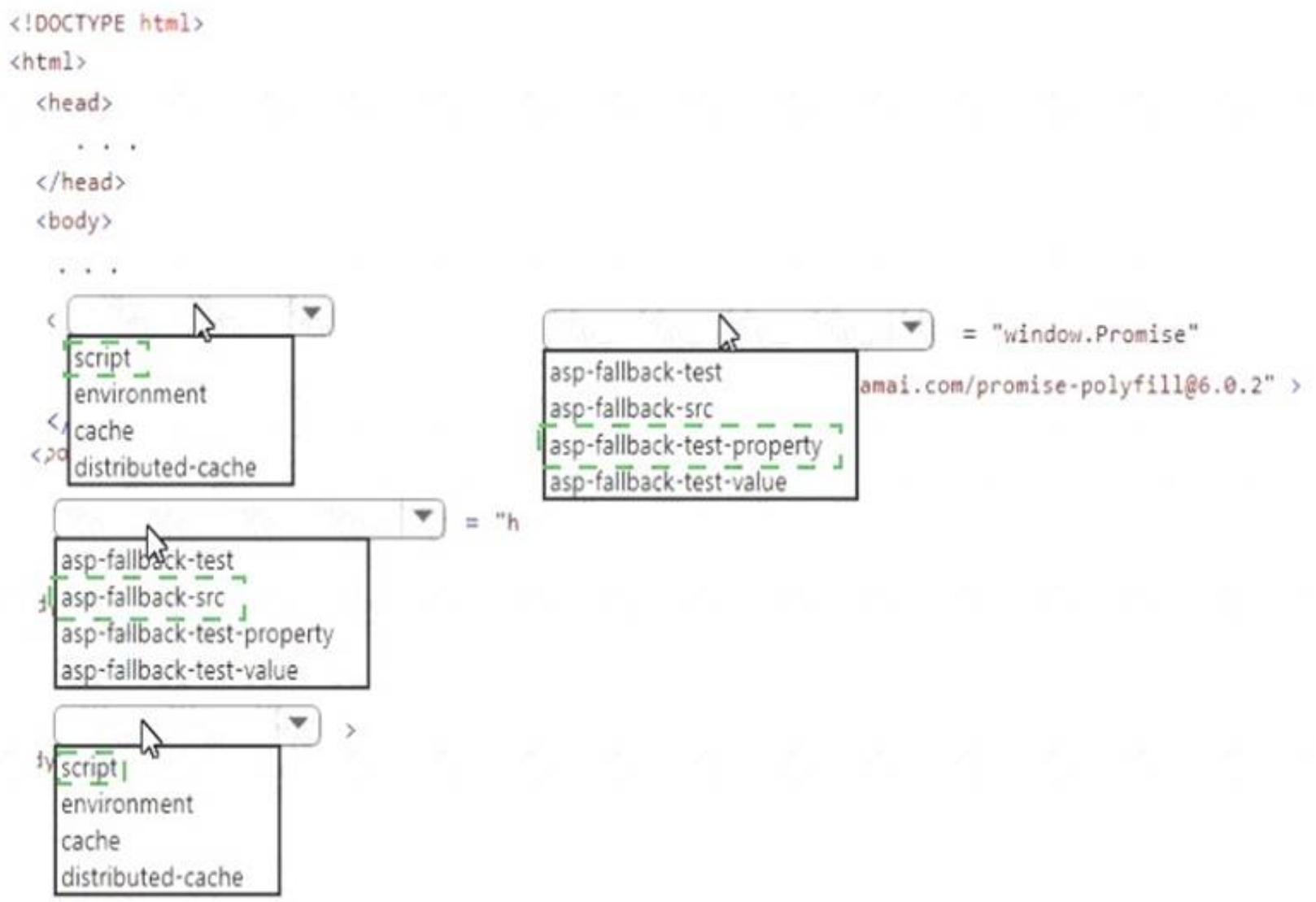
NEW QUESTION 302
You are developing an ASP.NET Core MVC web application.
The web application must support older web browsers and implemented JavaScript features. You must use a polyfill to support the JavaScript Promise object in all browsers.
You need to implement a built-in ASP.NET Core Tag Helper to support polyfills.
How should you complete the markup? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area



Answer:

Explanation: **Answer Area**



NEW QUESTION 307
You are developing an ASP.NET MVC application that will run in a shared environment.
The application requests the user's password, and then uses the password to sign data.
You need to minimize the potential for the password to be discovered by other processes that run in the shared environment. What should you do?

A. Add the SecuritySafeCriticalAttribute attribute to the methods which process the password.
B. Store the password in a SecureString instance.
C. Encrypt the password on the web page, and decrypt the password in the MVC application.
D. Run the code that processes the password in its own AppDomain.

Answer: D

Explanation: Application domains provide a unit of isolation for the common language runtime. They are created and run inside a process. Application domains are usually created by a runtime host, which is an application responsible for loading the runtime into a process and executing user code within an application domain. The runtime host creates a process and a default application domain, and runs managed code inside it. Runtime hosts include ASP.NET, Microsoft Internet Explorer, and the Windows shell.
For most applications, you do not need to create your own application domain; the runtime host creates any necessary application domains for you. However, you can create and configure additional application domains if your application needs to isolate code or to use and unload DLLs.
References: https://msdn.microsoft.com/en-us/library/yb506139(v=vs.110).aspx

NEW QUESTION 311
You are developing an ASP.NET MVC web application that includes the following method.

```
public double GoldMined(double currentGold, double newlyMinedGold)
{
  double totalGold = 0.00;
  totalGold = currentGold + newlyMinedGold;
  return totalGold;
}
```

You need to test the GoldMined method. Which unit test should you use?

A.
```
[TestMethod()]
public void GoldMinedTest()
{
  double currentGold = 175.05;
  double newlyMinedGold = 76.03;
  double totalGold = 251.08;
  double result = 0.00;

  result = GoldMined(currentGold, newlyMinedGold);
  Assert.IsTrue(totalGold, result);
}
```

B.
```
[TestMethod()]
private void GoldMinedTest()
{
  double currentGold = 175.05;
  double newlyMinedGold = 76.03;
  double totalGold = 251.08;
  double result = 0.00;

  result = GoldMined(currentGold, newlyMinedGold);
  Assert.IsEqual(totalGold, result);
}
```

C.
```
[UnitTest()]
public void GoldMinedTest()
{
  double currentGold = 175.05;
  double newlyMinedGold = 76.03;
  double totalGold = 251.08;
  double result = 0.00;

  result = GoldMined(currentGold, newlyMinedGold);
  Assert.AreEqual(totalGold, result);
}
```

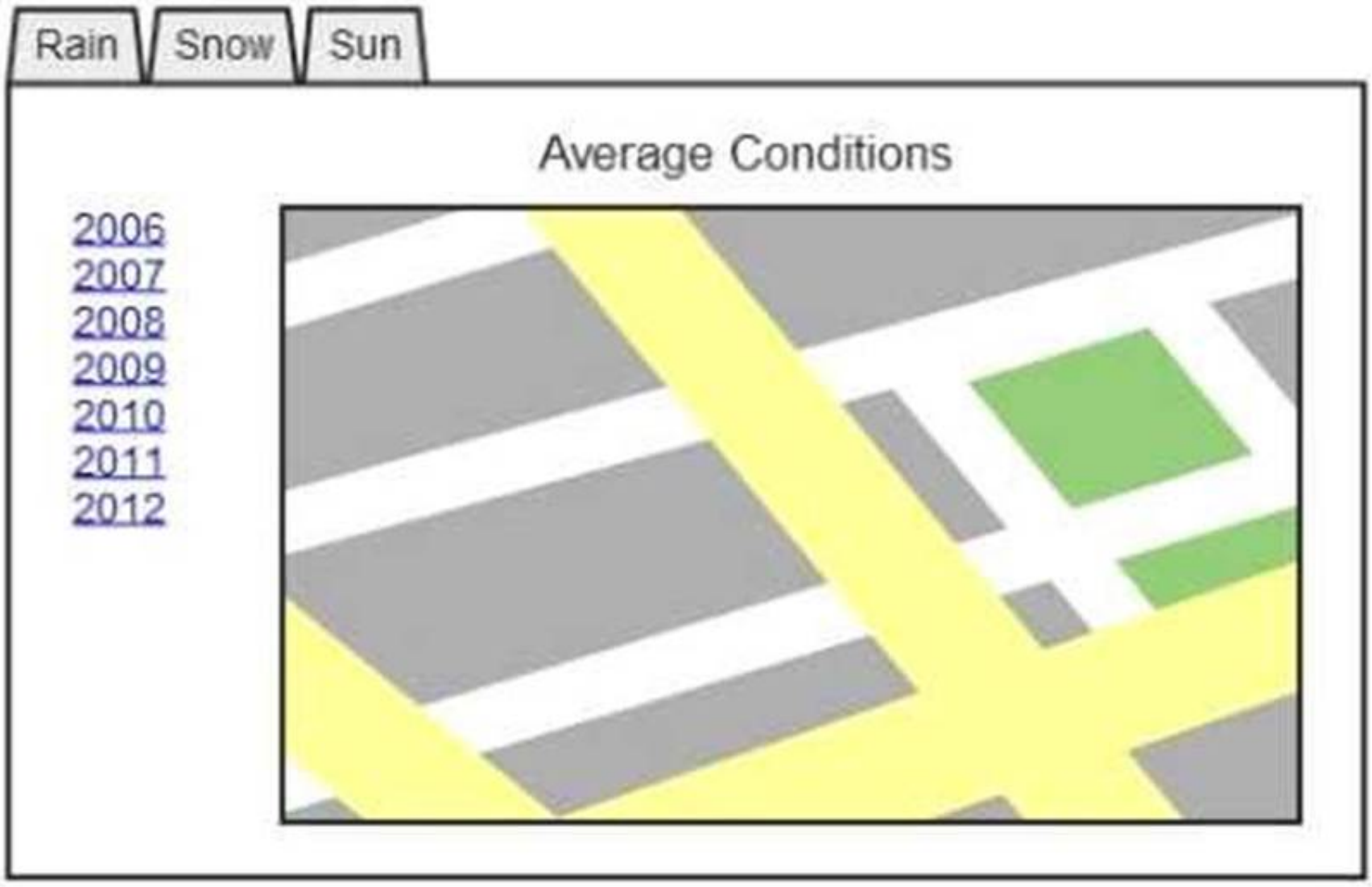
D.
```
[TestMethod()]
public void GoldMinedTest()
{
  double totalGold = 175.05;
  double newlyMinedGold = 76.03;
  double totalGold = 251.08;
  double result = 0.00;

  result = GoldMined(currentGold, newlyMinedGold);
  Assert.AreEqual(totalGold, result);
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

NEW QUESTION 315
You are implementing a website redesign of an existing website that provides historical weather condition maps.
The current layout resembles the graphic in the exhibit. (Click the Exhibit button.)



Year selection is implemented as a set of links, which causes the page to reload when the user changes the year. The year selection HTML is contained in a div with an id of "year-selector".
You need to modify the page so that the user can change the year without the page reloading. You also need to ensure that there is minimal change to the design of the page.
Which code segment should you use?

A.
```
$("#year-selector").slider({
  orientation: "vertical",
  range: { 2006: 2012 },
  step: 1,

});
```

B.
```
$("#year-selector").datepicker({
  yearRange: { 2000:2010 },
  constrainInput: false,
  stepMonths: 12

});
```

C.
```
$("#year-selector").datepicker({
  numberOfMonths: 6 * 12,
  showButtonPanel: true,
  constrainInput: true,
  stepMonths: 3

});
```

D.
```
$("#year-selector").slider({
  orientation: "vertical",
  min: 2006,
  max: 2012,
  step: 1,

});
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

Explanation: HTML5 slider contains min and max properties:

* min Minimum value of the range. Default minimum value is 0.
* maxMaximum value of the range. Default maximum value is 100. Incorrect:
Not A: HTML5 slider contains "range" property, but it used for enabling and configuring range selection in slider, not for setting min and max possible values.
References:
http://www.html5tutorial.info/html5-range.php

NEW QUESTION 317
DRAG DROP
You are developing an ASP.NET MVC application that authenticates a user by using claims-based authentication.
The application must:

- Use Windows Identity Foundation 4.5.
- Support the Windows Azure Access Control Service.

You need to implement authentication.
How should you build the class constructor? (To answer, drag the appropriate code segment to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

ClaimNames
ClaimTypes
IIdentityCla
IClaimsIdent
ClaimType
ClaimName

```
using Microsoft.IdentityModel.Claims;

public class IdentityClaim
{
  private string _identityProvider;
  private string _identityValue;
  public const string ACSProviderClaim =
   "http://schemas.microsoft.com/accesscontrolservice/...";

  public IdentityClaim(                    identity)
  {
    if (identity != null)
    {
      foreach (var claim in identity.Claims)
      {
        if (claim.                  ==                  .NameIdentifier)
        {
          _identityValue = claim.Value;
        }
        if (claim.                  == ACSProviderClaim)
        {
          _identityProvider = claim.Value;
        }
      }
    }
  }
}
```

Answer:

Explanation: Box 1: IClaimsIdent
Box 2: ClaimType
Box 3: ClaimTypes
Box 4: ClaimType Similar example:
For Box 1, see line 15.
For Box 2, see line 22.
For Box 3, see line 22.
For Box 4, see line 26.
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;

```
4 using System.Web;
5 using Microsoft.IdentityModel.Claims;
06
7 namespace MVC3MixedAuthenticationSample.Models
8 {
9 public class IdentityClaim 10 {
11 private string _identityProvider; 12 private string _identityValue;
13 public const string ACSProviderClaim ="
http://schemas.microsoft.com/accesscontrolservice/2010/07/claims/identityprovider";
14
15 public IdentityClaim(IClaimsIdentity identity) 16 {
17
18 if (identity != null) 19 {
20 foreach (var claim in identity.Claims) 21 {
22 if (claim.ClaimType == ClaimTypes.NameIdentifier)
23 {
24 _identityValue = claim.Value; 25 }
26 if (claim.ClaimType == ACSProviderClaim) 27 {
28 _identityProvider = claim.Value; 29 }
30
31 }
32 }
33
34 }
```

NEW QUESTION 321
You are developing an ASP.NET MVC application that supports multiple cultures and multiple languages. The application will be sold to international customers.
The ASP.NET MVC application must store localized content in satellite assemblies for multiple languages. You need to generate the satellite assemblies during an automated build.
Which tool should you use?

A. Gacutil.exe
B. Al.exe
C. Ildasm.exe
D. nasm.exe

Answer: B

Explanation: Use the Assembly Linker (Al.exe) to compile .resources files into satellite assemblies. Al.exe creates an
assembly from the .resources files that you specify. By definition, satellite assemblies can only contain resources. They cannot contain any executable code.
The following Al.exe command creates a satellite assembly for the application MyApp from the file strings.de.resources.
al /t:lib /embed:strings.de.resources /culture:de /out:MyApp.resources.dll References: https://technet.microsoft.com/en-us/library/21a15yht(v=vs.85)

NEW QUESTION 323
You are developing an application that uses ASP.NET Core Identity for authorization. The application must use an existing Microsoft Azure Table Storage instance to store user information. You create a custom UserStore class.
You need to register the class as a dependency.
Which two interfaces should you implement? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. IUserSecurityStampStore
B. IUserLoginStore
C. IQueryableUserStore
D. IUserStore
E. IUserPasswordStore

Answer: BD

Explanation: D: Create a UserStore class that provides the methods for all data operations on the user. This class is equivalent to the UserStore class. In your UserStore class, implement IUserStore<TUser> and the optional interfaces required. You select which optional interfaces to implement based on the functionality provided in your app.
Interfaces to implement when customizing user store References:
https://docs.microsoft.com/en-us/aspnet/core/security/authentication/identity-custom-storageQQ-providers?view

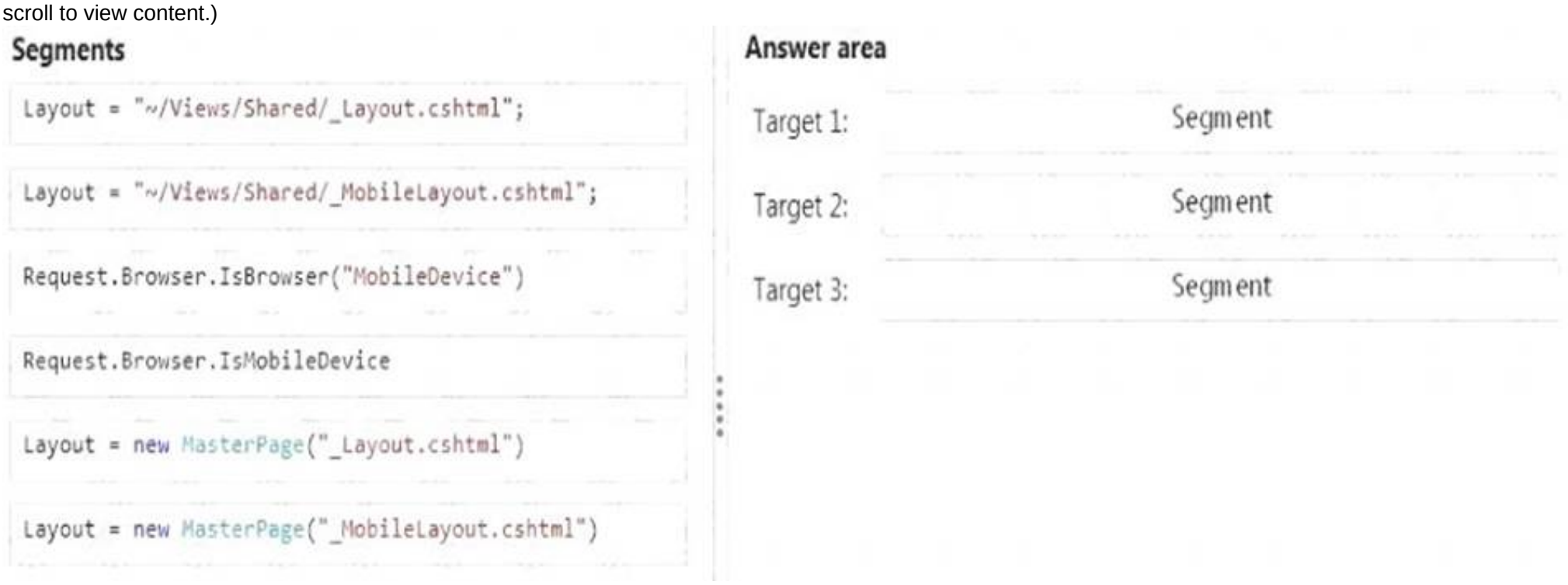
NEW QUESTION 326
DRAG DROP
You are developing an ASP.NET MVC application in Visual Studio 2012. The application will be viewed with browsers on desktop devices and mobile devices. The application uses the Razor View Engine to display data.
The application contains two layouts located in the /Views/Shared directory. These layouts are named:

- _Layout.cshmtl
- _MobleLayoutcshtml

The application must detect if the user is browsing from a mobile device. If the user is browsing from a mobile device, the application must use the _MobileLayout.cshtml file. If the user is browsing from a desktop device, the application must use .Layout, cs html.
You need to ensure that the application renders the layout that is appropriate for the browser. You have the following code:

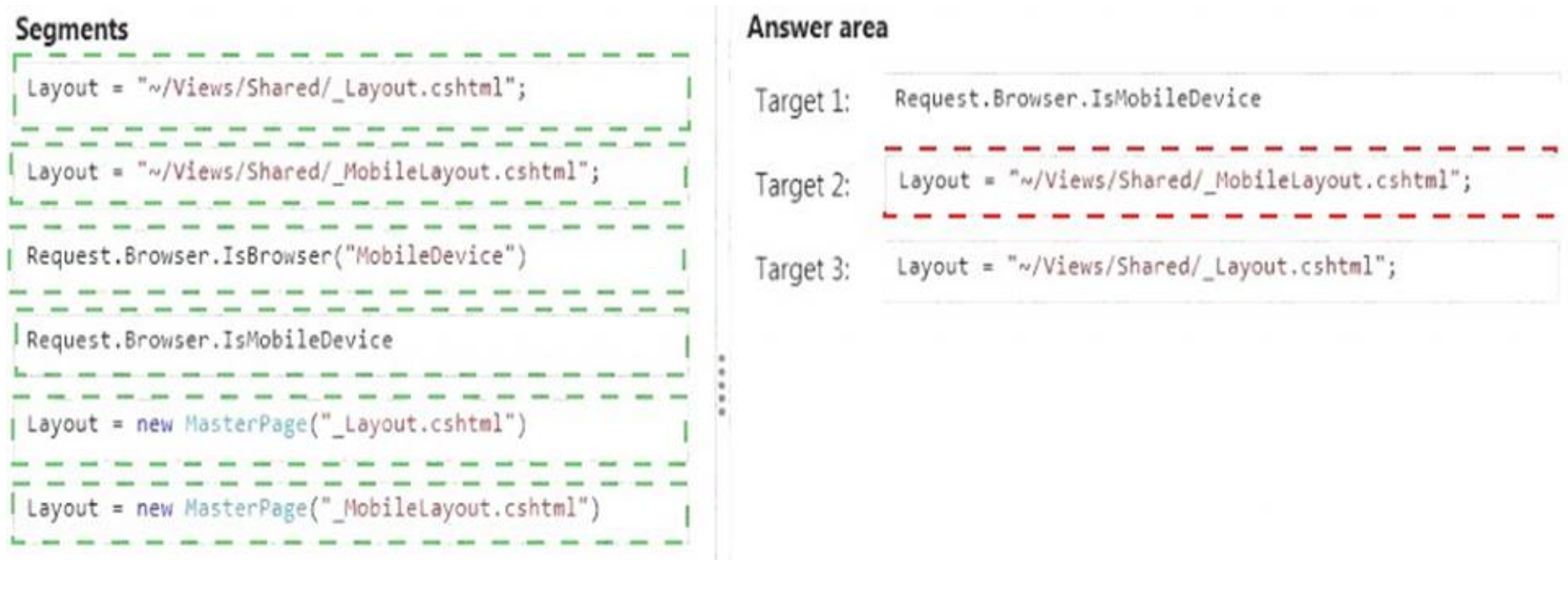
```
@{
  if (Target 1)
  { Target 2;
  }
  else
  {
  Target 3;
  }
}
```

Which code segments should you include in Target 1, Target 2 and Target 3 to complete the code of the ViewStart.cshtml file? (To answer, drag the appropriate code segments to the correct targets. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)



Answer:

Explanation:



NEW QUESTION 329
You are preparing for the deployment of an ASP.NET MVC application. You need to generate a deployment manifest.
Which command-line tool should you use?

A. Mage.exe
B. Ngen.exe
C. ALexe
D. Resgen.exe

Answer: A

Explanation: The Manifest Generation and Editing Tool (Mage.exe) is a command-line tool that supports the creation and editing of application and deployment manifests.
Incorrect:
Not B: The Native Image Generator (Ngen.exe) is a tool that improves the performance of managed applications. Ngen.exe creates native images
Not C: Al.exe generates a file with an assembly manifest, not an deployment manifest, from one or more files that are either resource files or Microsoft intermediate language (MSIL) files.
Not D: Resgen.exe, the Resource File Generator, converts text (.txt or .restext) files and XML-based resource format (.resx) files to common language runtime binary (.resources) files that can be embedded in a runtime binary executable or compiled into satellite assemblies.
References:
http://www.devcurry.com/2011/02/important-net-framework-40-command-line.html

NEW QUESTION 331
HOTSPOT
You are developing an ASP.NET MVC web application that enables users to open Microsoft Excel files. The current implementation of the ExcelResult class is as follows.

```
public class ExcelResult : ActionResult
{
  public string Path { get; set; }

  public override void ExecuteResult(ControllerContext context)
  {
    ...
  }
}
```

You need to enable users to open Excel files. You have the following code:

```
var response = context.HttpContext.Response;
var request = context.HttpContext.Request;
Target 1
if (canProcess)
{
  response.Clear();
  Target 2
  Target 3
  response.WriteFile(context.HttpContext.Server.MapPath(Path));
}
```

Which code segments should you include in Target 1, Target 2 and Target 3 to implement the ExecuteResult method? To answer, select the appropriate option or options in the answer area.

Answer Area

Target 1:
- var canProcess = request.AcceptTypes.Contains("application/vnd.ms-excel");
- var canProcess = request.ContentType.Contains("application/vnd.ms-excel");

Target 2:
- response.AddHeader("content-disposition", "attachment; filename=dl");
- response.Output.Write("content-disposition", "application/vnd.ms-excel");

Target 3:
- response.ContentType = "application/vnd.ms-excel"
- response.ContentEncoding = new UTF8Encoding

Answer:

Explanation: Target 1:
Name: AcceptTypes
Synopsis: stringArray = Request.AcceptTypes
Return s a String array containing the Multipurpose Internet Mail Extension (MIME) types accepted by the client. You can use this property to determine whether a client can accept certain response types, including application types such as Word or Excel, which are supported only by Internet Explorer.
Target 2, Target 3:
Example: Response.AddHeader("content-disposition", "attachment; filename=MyExcelFile.xls"); Response.ContentType = "application/ms-excel";

NEW QUESTION 333
You are developing an application that uses many small images. When the images load, the application runs slowly.
You need to improve the performance of the application. What should you do?

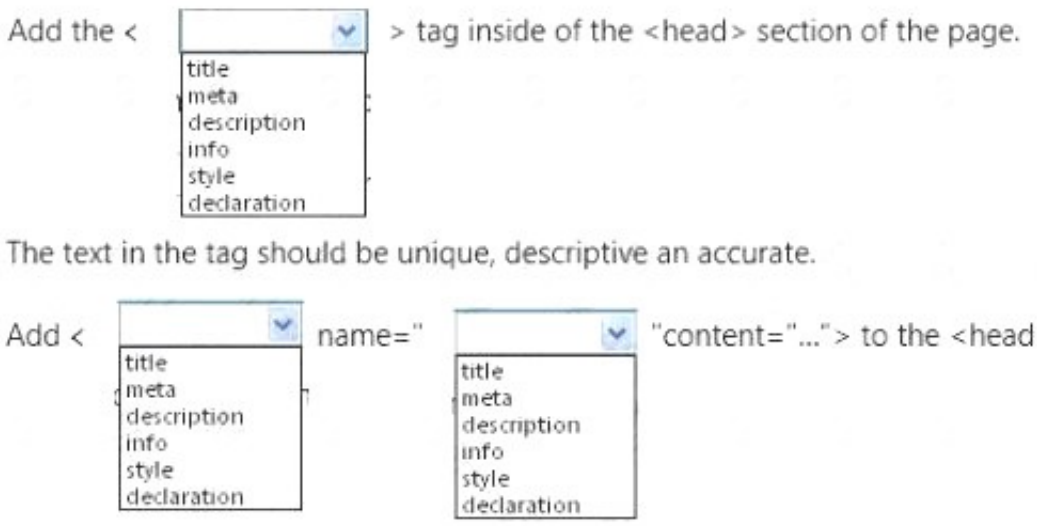
A. Preload all the images when the application starts to ensure that the images are cached.
B. Convert the images to ICO file format and stream all images on a single connection.
C. Host all images on a Microsoft Azure web role with multiple instances.
D. Combine all the images into a single image and use CSS to create sprites.

Answer: D

Explanation: Because browsers limit how many concurrent HTTP requests they make to a website, a web page with many small icon images can result in a longer load time. You can combine many small images into a single larger image - a CSS sprite - using the free ASP.NET Sprite and Image Optimization Library available from Microsoft.
References:

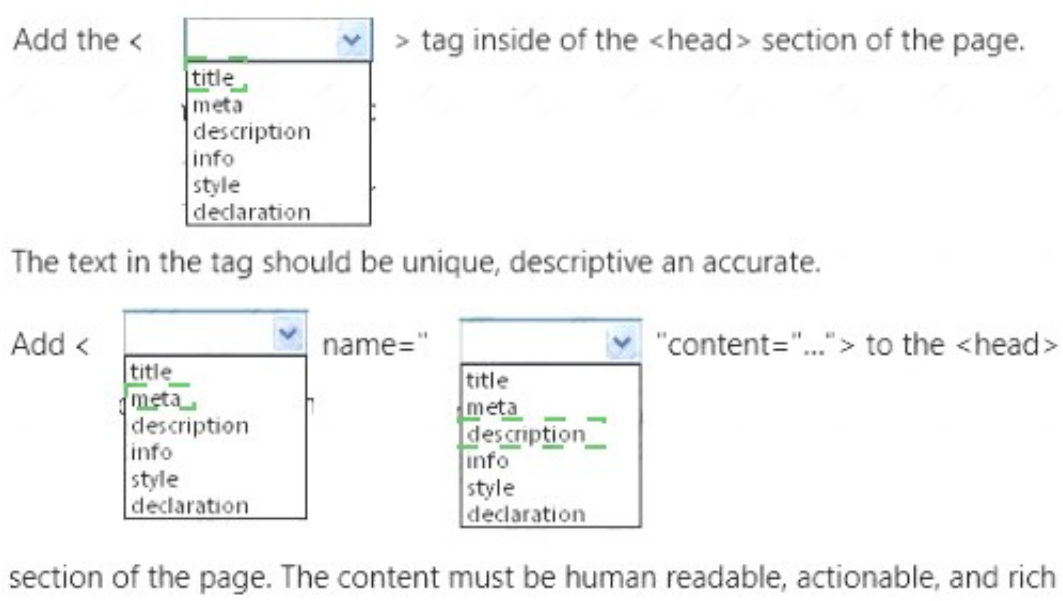
NEW QUESTION 334
HOTSPOT
You are optimizing an Internet-facing website for search engine optimization.
You are reading a Site Analysis Report from the SEO Toolkit. The report returns warnings that indicate the website HTML lacks key information necessary for search engine indexing.
You need to improve the optimization of the site.
What should you do? (To answer, select the appropriate option from the drop-down list in the answer area.)

Answer Area



Answer:

Explanation: **Answer Area**



NEW QUESTION 339
You are designing a distributed application.
The application must store secure information that is specific to an individual user. The data must be automatically purged when the user logs off.
You need to save transient information in a secure data store. Which data store should you use?

A. Session state
B. Database storage
C. Profile properties
D. Application state

Answer: A

Explanation: ASP.NET session state enables you to store and retrieve values for a user as the user navigates ASP.NET pages in a Web application. HTTP is a stateless protocol. This means that a Web server treats each HTTP request for a page as an independent request. The server retains no knowledge of variable values that were used during previous requests. ASP.NET session state identifies requests from the same browser during a limited time window as a session, and provides a way to persist variable values for the duration of that session.
References: https://msdn.microsoft.com/en-us/library/ms178581.aspx

NEW QUESTION 344

.....

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