70-486 Dumps

Developing ASP.NET MVC 4 Web Applications

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NEW QUESTION 1
If the canvas element is supported by the client browser, the application must display "London 2012" in the footer as text formatted by JavaScript at the end of the
_Layout.cshtml file.
You need to modify the layout to ensure that "London 2012" is displayed as either formatted text or as plain text, depending on what the client browser supports.
Which code segment should you add?

A. <canvas id="myFooter">@(Request,Browser.JavaApplets ? new HtmlString("London 2012") : null) </canvas>
B. <canvas id="myFooter">London 2012</canvas>
C. <canvas id="myCanvas">London 2012</canvas>
D. <canvas id="myCanvas"></canvas><p>London 2012</p>

Answer: C

NEW QUESTION 2
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:
<div style="background-image: url(../images/test-background.gif); height: 200px; width: 400px; border: 1px solid black;">Example of a DIV element with a background image:</div>
<div style="background-image: url(../images/test-background.gif); height: 200px; width: 400px; border: 1px solid black;"> </div>

Example of a DIV element with a background image:

TEST
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 3
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

```csharp
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

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

ImageConverter.cs

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

web.config

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

web.config

```xml
<?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 4

An advertising campaign was recently launched. Some of the ads contain a link to products that no longer exist or have IDs that have changed.
You need to ensure that all product links display a product. Which code segment should you use to configure the route?

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

```
○ B.    routes.MapRoute(
            "Product",
            "{productName}/{action}/{id}",
            new { action = "Show", productName = DefaultProduct }
        );
```

```
○ C.    routes.MapPageRoute(
            "Product",
            "{ProductName}/{action}/{id}",
            "~/product.aspx",
            false,
            new RouteValueDictionary { { "action", "Show" }, { "productName",
        DefaultProduct } });
```

```
○ D.    routes.MapPageRoute(
            "Product",
            "Product/{action}/{productName}",
            "~/product.aspx",
            false,
            new RouteValueDictionary { { "action", "Show" }, { "productName",
        DefaultProduct } });
```

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

Answer: A

NEW QUESTION 5
You need to modify the application to meet the productId requirement. What should you do?

A. Modify the RegisterGlobalFilters method of the Global.asax.cs file as follow
B. Contract.Assume<ArgumentException>(productId != 0);
C. Modify the GetDealPrice method of ProductController as follow
D. Contract.Requires<ArgumentException>(productId > 0);
E. Modify the RegisterGlobalFilters method of the Global.asax.cs file as follow
F. Contract.Requires<ArgumentException>(productId > 0);
G. Modify the GetDealPrice method of ProductController as follow
H. Contract.Assume<ArgumentException>(productId > 0);

Answer: B

Explanation:
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 6
You need to implement the business requirements for managing customer data.
What should you do? (Each correct answer presents part of the solution. Choose all that apply.)

A. Add a class named Customer-Controller to the Controllers folde
B. Then add a method named Edit to the class.
C. Create a new controller named Administration in the Controllers folde
D. Add an action named EditCustomer to the controller.

E. Add a folder named Customer to the Views folde
F. Then create a view inside this folder named Edit.aspx.
G. Create a new folder named EditCustomer to the Views folde
H. In the new folder, create a new file named Administration.aspx.

Answer: AB

NEW QUESTION 7
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 8
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 9
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 10
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 10
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 11
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 12
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.es?

A.
```
varcontroller = base.CreateController(requestContext, controllerName) asController;

varattributes = controller.GetType().Attributes.ToString();

if(!attributes.Contains("VideoAdminAttribute"))

    thrownewException("Not an Administrator");

returncontroller;
```

B.
```
if(requestContext.HttpContext.Items["Administrator"] == null)

    thrownewException("Not an Administrator");

returnbase.CreateController(requestContext, controllerName) asController;
```

C.
```
varcontroller = base.CreateController(requestContext, controllerName) asController;

varhasFilter = controller.GetType().CustomAttributes.Any

 (x => x.AttributeType.Name == "VideoAdminAttribute");

if(hasFilter == null)

    thrownewException("Not an Administrator");

returncontroller;
```

D.
```
if(requestContext.RouteData.Values["Administrator"] == null)

    thrownewException("Not an Administrator");

returnbase.CreateController(requestContext, controllerName) asController;
```

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

Answer: C

NEW QUESTION 15
HOTSPOT
The designer for the website gave you the following image as the design for the page.

Your account   Log off

Home   About   Contact

Let us help you   Home is closer than you think

The normal color for the tab is *2da4c2, and the color when the mouse is over the tab is
#ffd800.
The HTML that implements the navigation tab is as follows.

```
<ul id="nav">
  <li><a href="/">Home</a></li>
  <li><a href="/">About</a></li>
  <li><a href="/">Contact</a></li>
</ul>
```

You need to implement the design.
What should you do? (To answer, select the appropriate options in the answer area.)

Work Area

```
ul#nav {
    font-size: 1.3em;
    font-weight: 600;
}

ul#nav li {
```

[▼]

[▼]

```
    text-align: center;
}

ul#nav li a {
```

[▼]

```
    color: #FFF;
```

[▼]

```
    border-radius: 12px 12px 0 0;
    padding: 0 12px 0 12px;
    margin: 0 4px 0 4px;
}
ul#nav li a:hover {
    color: #333;
```

[▼]

[▼]

```
}
```

Work Area

```
ul#nav {
    font-size: 1.3em;
    font-weight: 600;
}
```

```
ul#nav li {
```

▼
float: left; background-color: #ffd800; background-color: #2da4c2 text-decoration: none;

▼
text-decoration: none; list-style: none; border-radius: 15px; word-wrap: break-word;

```
    text-align: center;
}
```

```
ul#nav li a {
```

▼
background-clip: border-box; background-color: #2da4c2 border-radius: 15px; word-wrap: break-word;

```
    color: #FFF;
```

▼
background-clip: padding-box; text-decoration: none; background-color: #ffd800; float: left;

```
    border-radius: 12px 12px 0 0;
    padding: 0 12px 0 12px;
    margin: 0 4px 0 4px;
}
ul#nav li a:hover {
    color: #333;
```

▼
float: left; background-color: #ffd800; background-color: #2da4c2 list-style: none;

▼
cursor: pointer; background-clip: border-box; text-decoration: none; background-origin: border-box;

```
}
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Work Area

```
ul#nav {
    font-size: 1.3em;
    font-weight: 600;
}

ul#nav li {
                                                    [▼]
    float: left;
    background-color: #ffd800;
    background-color: #2da4c2
    text-decoration: none;

                                                    [▼]
    text-decoration: none;
    list-style: none;
    border-radius: 15px;
    word-wrap: break-word;

        text-align: center;
}

ul#nav li a {
                                                    [▼]
    background-clip: border-box;
    background-color: #2da4c2
    border-radius: 15px;
    word-wrap: break-word;

    color: #FFF;
                                                    [▼]
    background-clip: padding-box;
    text-decoration: none;
    background-color: #ffd800;
    float: left;

    border-radius: 12px 12px 0 0;
    padding: 0 12px 0 12px;
    margin: 0 4px 0 4px;
}
ul#nav li a:hover {
    color: #333;
                                                    [▼]
    float: left;
    background-color: #ffd800;
    background-color: #2da4c2
    list-style: none;

                                                    [▼]
    cursor: pointer;
    background-clip: border-box;
    text-decoration: none;
    background-origin: border-box;

}
```

NEW QUESTION 16
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 20
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(VaryByCustom = "gzip",
VaryByContentEncoding = "all", Location = OutputCacheLocation.Any,)]
```

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

○ C.
```
[OutputCache(Location = OutputCacheLocation.Downstream, VaryByParam = "gzip",
VaryByCustom = "browser")]
```

○ D.
```
[OutputCache(Location = OutputCacheLocation.Downstream, Order=1,
VaryByContentEncoding = "gzip;q=1.0, compress; q=0.5, *;q=0")]
```

○ E.
```
[OutputCache(VaryByHeader = "Cache-Control", Location =
OutputCacheLocation.ServerAndClient,
CacheProfile = "gzip"]
```

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

D. Option D
E. Option E

Answer: B

NEW QUESTION 25
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.

Markup Segments		Answer Area
Variable		Target 1: Markup Segment
Environment		Target 2: Markup Segment
foreground		Target 3: Markup Segment
background		Target 4: Markup Segment
simple		Target 5: Markup Segment

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 30
- (Exam Topic 4)
You are developing the landing page for an ASP.NET Core MVC web application that will be used to host blogs. You are implementing a View component to show
text links for common application operations.
Users must be able to customize the HTML for landing pages.
You need to ensure that the links for common operations reflect the desired layout of the application when links are embedded into customized views.
Which CSS measurement unit should you use for the links?

A. px
B. em
C. rem
D. vh

Answer: C

NEW QUESTION 32
- (Exam Topic 4)
You are developing an ASP.NET Core MVC web application. The application uses a custom tool named sectarget that performs security audits of the web
application's assemblies. The custom tool was built in netstandardl.l and is packaged into a NuGet package named sectarget.
You need to ensure that the custom tool is run each time the web application is boat or published and that the latest version of sectarget is used each time the tool
is run.
How should you complete the markup? To answer, drag the appropriate XML segments to the correct locations. Each XML 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.

XML segments

- *
- 1.1
- Include
- Condition
- Package
- PackageReference
- DotNetCliToolReference
- Item

Answer area

```xml
<Project Sdk="Microsoft.NET.Sdk" ToolsVersion="15.0">
  <PropertyGroup>
    <TargetFramework>netcoreapp1.1</TargetFramework>
    <OutputType>Exe</OutputType>
  </PropertyGroup>
  . . .
  <ItemGroup>
    <  XML segment   XML segment = " sectarget " Version = XML segment "  /
  </ItemGroup>
</Project>
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

XML segments

- *
- 1.1
- Include
- Condition
- Package
- PackageReference
- DotNetCliToolReference
- Item

Answer area

```xml
<Project Sdk="Microsoft.NET.Sdk" ToolsVersion="15.0">
  <PropertyGroup>
    <TargetFramework>netcoreapp1.1</TargetFramework>
    <OutputType>Exe</OutputType>
  </PropertyGroup>
  . . .
  <ItemGroup>
    <  PackageReference   Include = " sectarget " Version = *  /
  </ItemGroup>
</Project>
```

NEW QUESTION 35
- (Exam Topic 4)
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 38
- (Exam Topic 4)
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 42
- (Exam Topic 4)
You have two Microsoft Azure subscriptions. One subscription emits logs. You plan to deploy audit tools to the other subscription to allow users to analyze logs that the first subscription emits.
You perform the following anions
• Configure resource diagnostic logs for non-compute resources in the Azure portal.
• Use Event Hubs metrics and set the log category to Operational Logs.
• Set a retention policy of seven days. Users report that no log files are available
You need to ensure that log files are available for users.

A. Change the Role-Based Access Control (RBAC) access in both subscriptions to match.
B. Combine all tools and objects into the same subscription.
C. Set the tog category to Audit
D. Store the logs in a Storage account

Answer: D

NEW QUESTION 46
- (Exam Topic 4)
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.

Project templates	Test goal	Unit Test project template
Coded UI Test Project	Validate the input controls an a web application.	Project template
Unit Test Project	Test the internal validity of calculations in class methods.	Project template
Web Performance and Load Test Project	Test the web application speed while retrieving data from SQL Server.	Project template
	Validate the number of simultaneous users for a social portal.	Project template

A. Mastered
B. Not Mastered

Answer: A

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
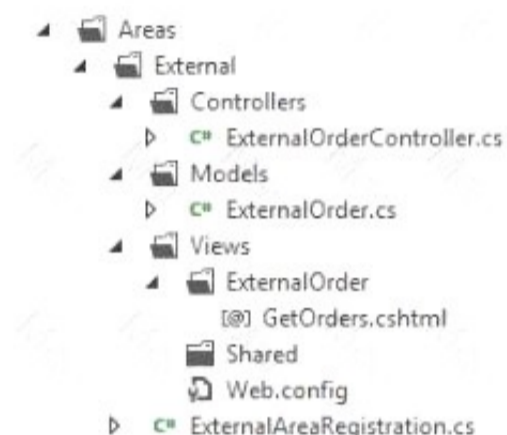
NEW QUESTION 48
- (Exam Topic 4)
DRAG DROP
You are developing an ASP.NET MVC application in Visual Studio.
The application contains an area that is defined as shown in the following graphic.

```
▲ 🗀 Areas
    ▲ 🗀 External
        ▲ 🗀 Controllers
            ▷  C# ExternalOrderController.cs
        ▲ 🗀 Models
            ▷  C# ExternalOrder.cs
        ▲ 🗀 Views
            ▲ 🗀 ExternalOrder
                    [@] GetOrders.cshtml
            🗀 Shared
            🗋 Web.config
    ▷  C# ExternalAreaRegistration.cs
```

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

A. Mastered
B. Not Mastered

Answer: A

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 53
- (Exam Topic 4)
HOTSPOT
You develop a new ASP.NET MVC web application. The application is hosted in an Azure Web Role. It includes the following code. Line numbers are included for reference only.

```
01 public override void OnStop()
02 {
03     Trace.TraceInformation("OnStop called within Web Role");
04     var performanceCounterCurrentRequests = new PerformanceCounter("ASP.NET", "Requests Current", "");
05     while (true)
06     {
07         var currentRequestsCount = performanceCounterCurrentRequests.NextValue();
08         Trace.TraceInformation("ASP.NET Requests Current = " + currentRequestsCount);
09         if (currentRequestsCount <= 0)
10         {
11             break;
12         }
13         System.Threading.Thread.Sleep(1000);
14     }
15 }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer Area

	Yes	No
When the web server is so busy that the pending requests cannot be completed in five minutes, the Web role is shut down.	○	○
When an unhandled exception occurs within the Web role, the Stopping event is raised, and the **OnStop** method code runs.	○	○
The Web role initiates a shutdown immediately following the return of the **OnStop** method code.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

	Yes	No
When the web server is so busy that the pending requests cannot be completed in five minutes, the Web role is shut down.	☑	○
When an unhandled exception occurs within the Web role, the Stopping event is raised, and the **OnStop** method code runs.	○	☑
The Web role initiates a shutdown immediately following the return of the **OnStop** method code.	☑	○

NEW QUESTION 58
- (Exam Topic 4)
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.)

Actions

Generate provider rules for claims.

Register the application as the relying party.

Add a Security Token Service (STS) reference in Visual Studio 2012.

Create a service namespace.

Add the third-party as the identity provider.

Add a symmetric key service identity.

Answer Area

A. Mastered
B. Not Mastered

Answer: A

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 62
- (Exam Topic 4)
You are designing a localized ASP.NET MVC online shopping application that will be deployed to customers in the United States, China, France, and Brazil. The application must support multiple cultures so that content in the appropriate language is available in each area.
You need to ensure that the content can be viewed in several languages. How should you implement this feature?

A. Use a resource (.resx) file to provide translations.
B. Use Systems.Collections.Generics.Dictionary to store alternative translations.
C. Ensure that all strings are marked internal to avoid conflict with internal literals.
D. Include language-specific content in the assembly manifest and use .NET culture libraries.

Answer: A

Explanation:
A resource file is an XML file that contains the strings that you want to translate into different languages or paths to images. The resource file contains key/value pairs. Each pair is an individual resource. Key names are not case sensitive. For example, a resource file might contain a resource with the key Button1 and the value Submit.
You create a separate resource file for each language (for example, English and French) or for a language and culture (for example English [U.K.], English [U.S.]). Each localized resource file has the same key/value pairs; the only difference is that a localized resource file can contain fewer resources than the default resource file. The built-in language fallback process then handles loading the neutral or default resource.

NEW QUESTION 64
- (Exam Topic 4)
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 69
- (Exam Topic 4)
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.

Code Segments

```
IHttpHandler
IHttpConstraint
IRouteFactory
RequestContext
IRouteHandler
ServerContext
```

Answer area

Target 1:   Code Segment
Target 2:   Code Segment
Target 3:   Code Segment

A. Mastered
B. Not Mastered

Answer: A

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 73
- (Exam Topic 4)
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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 75
- (Exam Topic 4)
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 77
- (Exam Topic 4)
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

Requirement	Capability
Provide authentication for API management.	▼ Azure virtual networks / Groups / Ipsec VPN
Configure the gateway.	▼ Transforms / Operations / Policies
Integrate metrics into one dashboard.	▼ Application Insights / Azure Monitor / Log analytics / Stream Analytics
Add restrictions for all users.	▼ Active Directory Domain Services (AD DS) / Azure Key Vault / Role-Based Access Control (RBAC)

A. Mastered
B. Not Mastered

Answer: A

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 82
- (Exam Topic 4)
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 87
- (Exam Topic 4)
You are developing an ASP.NET MVC application that will be deployed to servers on multiple networks. The application must be compatible with multiple browsers. You must track the page number that the user is viewing in search results.

You need to program the location for storing state information. Where should you persist state information?

A. Session
B. QueryString
C. Application
D. TempData

Answer: B

NEW QUESTION 92
- (Exam Topic 4)
HOTSPOT
You are using the features of the IIS SEO Toolkit to configure the website. Youneed to exclude search engines from indexing parts of website.
What should you do? (To answer, select the appropriate option from the drop-down list in the answer area.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Use the [▼] feature in the IIS

```
exclude
disallow
User-Agent Exclusion
Robots Exclusion
robots.txt
exclusions.txt
```

Search Engine Optimization Toolkit to create a [▼]

```
exclude
disallow
User-Agent.Exclusion
Robots.Exclusion
robots.txt
exclusions.txt
```

file and add [▼] rules.

```
exclude
disallow
User-Agent.Exclusion
Robots.Exclusion
robots.txt
exclusions.txt
```

NEW QUESTION 93
- (Exam Topic 4)
You are developing an ASP.NET MVC application that delivers real-time game results to sports fans. The application includes the following code. Line numbers are included for reference only.

```
01  public class HomeController : Controller
02  {
03      public ActionResult Index()
04      {
05          return View();
06      }
07      [OutputCache(Duration = 3600, VaryByParam = "none", Location = OutputCacheLocation.Server, NoStore = true)]
08      public ActionResult GetUserInfo()
09      {
10          return View();
11      }
12      [OutputCache(Duration = 3600, VaryByParam = "none", Location = OutputCacheLocation.Server, NoStore = true)]
13      public ActionResult GetResults()
14      {
15          return View();
16      }
17  }
```

The source data for the game results is updated every 30 seconds. Testers report the following issues with the application:

- They report seeing other user's name when they sign in to the application.
- They report delays in seeing the latest game results.

You need to correct the performance issues.
Which two changes should you make to the code? Each correct answer presents part of the solution.

A. Replace the code at line 07 with the following code segment:[OutputCache(Duration = 30, VaryByParam = "none", Location = OutputCacheLocation.Client, NoStore = true)]
B. Replace the code at line 12 with the following code segment:[OutputCache(Duration = 30, VaryByParam = "none", Location = OutputCacheLocation.Server, NoStore = true)]
C. Replace the code at line 07 with the following code segment:[OutputCache(Duration = 3600, VaryByParam = "none", Location = OutputCacheLocation.Server, NoStore = false)]
D. Replace the code at line 12 with the following code segment:[OutputCache(Duration = 3600, VaryByParam = "none", Location = OutputCacheLocation.Client, NoStore = true)]

Answer: AB

Explanation:
B: They report delays in seeing the latest game results. This is the output of the GetResults() function. We decrease the Duration in the cache for this function from 3600 to 30. This is one line 12.
A: They report seeing other user's name when they sign in to the application. This is the output of the GetUserInfo() function. We should change the OutputCacheLocation of the caching of this function from Server to Client. This is on line 7.
Note: The OutputCacheLocation.Client option indicates that the content should be cached at the requesting client. Any requests for the same resource made from

the same client within the expiry period, will be served out the client's cache, without a network request being made to the server.

The OutputCacheLocation.Server option indicates that the content will be cached at the origin server. This content will be served for subsequent requests made by the initial client and any other client requesting the same resource within the expiry period.

References: https://growlycode.wordpress.com/2014/01/10/mvc4-outputcache-location-basics/

NEW QUESTION 96
- (Exam Topic 4)
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 100
- (Exam Topic 4)
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 101

- (Exam Topic 4)
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 104
- (Exam Topic 4)
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.

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

    routes MapMvcAttributeRoutes().
    routes MapRoute("product", "/products").
    routes Add(new Route("/Products", new PageRouteHandler("Products"))).
    routes MapPageRoute("products", "/products", "ProductController.cs", true).
  }
}
```

```
  {
    routes.IgnoreRoute("{resource}.axd/{pathInfo}");

  }
}
[RoutePrefix("products")]
public class ProductController : Controller
{
  [Route]
  public ActionResult Index()
  {
    return View();
  }

  [Route]
  [Route("{Id}")]
  [Route("{Id?}")]       Id)
  [Route("[products]")]  Product", ProductModel.GetProduct(Id)};
      return View("Products", ProductModel.GetProducts());
  }
}
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

    routes MapMvcAttributeRoutes().
    routes MapRoute("product", "/products").
    routes Add(new Route("/Products", new PageRouteHandler("Products"))).
    routes MapPageRoute("products", "/products", "ProductController.cs", true).
  }
}
```

```
  {
    routes.IgnoreRoute("{resource}.axd/{pathInfo}");

  }
}
[RoutePrefix("products")]
public class ProductController : Controller
{
  [Route]
  public ActionResult Index()
  {
    return View();
  }

  [Route]
  [Route("{Id}")]
  [Route("{Id?}")]       Id)
  [Route("[products]")]  Product", ProductModel.GetProduct(Id)};
      return View("Products", ProductModel.GetProducts());
  }
}
```

NEW QUESTION 106

- (Exam Topic 4)
HOTSPOT
You are developing an ASP.NET MVC application.
You need to store membership information in a Microsoft SQL Server database.
How should you configure the membership provider? (To answer, select the appropriate options in the answer area.)

Work Area

```
<configuration>
  <connectionStrings>
    <add name="SqlServices"
          connectionString="Data Source=localhost;
            Integrated Security=SSPI;Initial Catalog=aspnetdb;" />
  </connectionStrings>
  <system.web>
    <authentication mode="Forms" >
      <forms loginUrl="login.aspx"
        name=".ASPXFORMSAUTH" />
    </authentication>
    <authorization>
      <deny users="?" />
    </authorization>
    <membership defaultProvider="SqlProvider">
      <providers>
        <add
          name="SqlProvider"
```

          [▼]

          [▼]

```
          applicationName="MyApplication" />
      </providers>
    </membership>
  </system.web>
</configuration>
```

Work Area

```
<configuration>
  <connectionStrings>
    <add name="SqlServices"
         connectionString="Data Source=localhost;
         Integrated Security=SSPI;Initial Catalog=aspnetdb;" />
  </connectionStrings>
  <system.web>
    <authentication mode="Forms" >
      <forms loginUrl="login.aspx"
        name=".ASPXFORMSAUTH" />
    </authentication>
    <authorization>
      <deny users="?" />
    </authorization>
    <membership defaultProvider="SqlProvider">
      <providers>
        <add
          name="SqlProvider"
```

```
                                                              ▼
┌──────────────────────────────────────────────────────────────┐
│ type="System.Web.Security.SqlMembershipProvider"             │
│ type="System.Web.Security.SqlProvider"                       │
│ namespace="System.Web.Security.SqlMembershipProvider"        │
│ namespace="System.Web.Security.SqlProvider"                  │
└──────────────────────────────────────────────────────────────┘
```

```
                                                              ▼
┌──────────────────────────────────────────────────────────────┐
│ connectionString="SqlServices"                               │
│ connectionStringName="SqlServices"                           │
└──────────────────────────────────────────────────────────────┘
```

```
          applicationName="MyApplication" />
      </providers>
    </membership>
  </system.web>
</configuration>
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
References:
http://msdn.microsoft.com/en-us/library/system.web.security.sqlmembershipprovider.aspx

NEW QUESTION 111
- (Exam Topic 4)
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 114
- (Exam Topic 4)
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.

Tools

| Bower |
| NuGet |
| Gulp |
| Node package manager |

Answer area

Scenario	Tool
Execute processes in parallel.	Tool
Distribute packages.	Tool

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 119
- (Exam Topic 4)
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 124

- (Exam Topic 4)
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 126
- (Exam Topic 4)
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 127
- (Exam Topic 4)
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

Answer area

```
ITelemetryProcessor
ITelemetry
TelemetryContext
ITelemetryChannel
RequestTelemetry
```

```
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);
      }
    }
}
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
Code segments                Answer area

ITelemetryProcessor     public class NoiseReducer : ITelemetryProcessor

ITelemetry              {

TelemetryContext            private readonly ITelemetryProcessor Next;
                            public NoiseReducer(ITelemetryProcessor next)
ITelemetryChannel           {
                              Next = next;
RequestTelemetry            }

                            public void Process(ITelemetry item)

                            {

                              var request = item as RequestTelemetry

                              if (request == null || !request.Url.AbsolutePath.EndsWith("status" ))

                              {

                                  Next.Process(item);

                              }

                            }

                        }
```

NEW QUESTION 128
- (Exam Topic 4)
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 129
- (Exam Topic 4)
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: Use standard HttpModule and HttpHandler types. Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Note: Open Web Interface for .NET (OWIN) defines an abstraction between .NET web servers and web applications. OWIN decouples the web application from the server, which makes OWIN ideal for self-hosting a web application in your own process, outside of IIS–for example, inside an Azure worker role.

NEW QUESTION 132
- (Exam Topic 4)
You need to enable client-side validation for an ASP.NET MVC application.
Which three actions should you perform? Each correct answer presents part of the solution.

A. Attach a custom validation attribute to the model properties that the view uses.
B. Reference the jquery, jquery.validate and jquery.validate.unobtrusive script files in the view.
C. Open the web.config file at the project root, and set the values of the ClientValidationEnabled and UnobtrusiveJavaScriptEnabled keys to True.
D. For each form element, use the Validator.element() method to validate each item.
E. Add data annotations to the model properties that the view uses.

Answer: BCE

Explanation:
B: The validation can be implemented using jQuery and jQuery validation plug-in (jquery.validate.min.js and jquery.validate.unobtrusive.min.js).
C: When you are developing an MVC application in Visual Studio 2012 then the client-side becomes enabled by default, but you can easily enable or disable the writing of the following app setting code snippet in the web.config file.
<configuration>
<appSettings>
<add key="ClientValidationEnabled" value="true" />
<add key="UnobtrusiveJavaScriptEnabled" value="true" />
</appSettings>
</configuration>
E: The jQuery validation plug-in takes advantage of the Data Annotation attributes defined in the model, which means that you need to do very little to start using it.
References:

NEW QUESTION 136
- (Exam Topic 4)
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 IInputFormatter interface. Does the solution meet the goal?

A. Yes
B. No

Answer: A

Explanation:
References:
https://docs.microsoft.com/en-us/aspnet/core/web-api/advanced/custom-formatters?view=aspnetcore-2.1 https://www.c-sharpcorner.com/article/custom-formatters-in-asp-net-core-mvc-web-api/

NEW QUESTION 137
- (Exam Topic 4)
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 139
- (Exam Topic 4)
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.
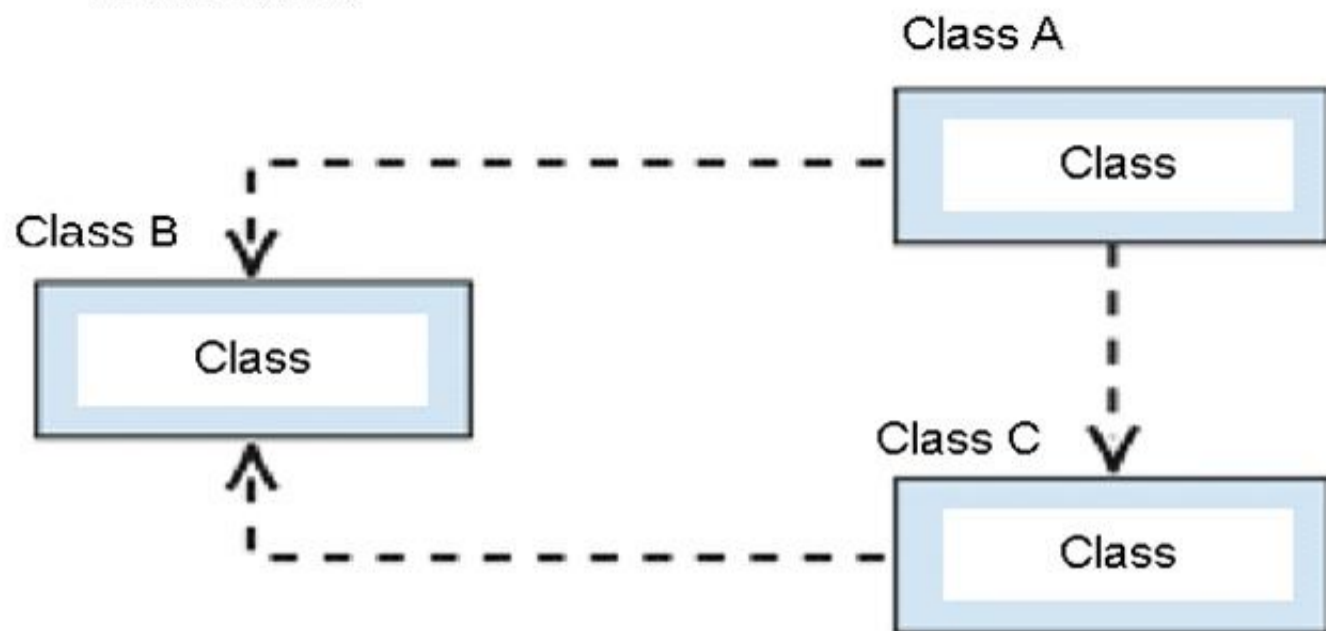You need to diagram the structural relationship between the three classes.
What should you do? To answer, drag the appropriate class to the correct location or locations. Each class name may be used once, more than once, or not at all.
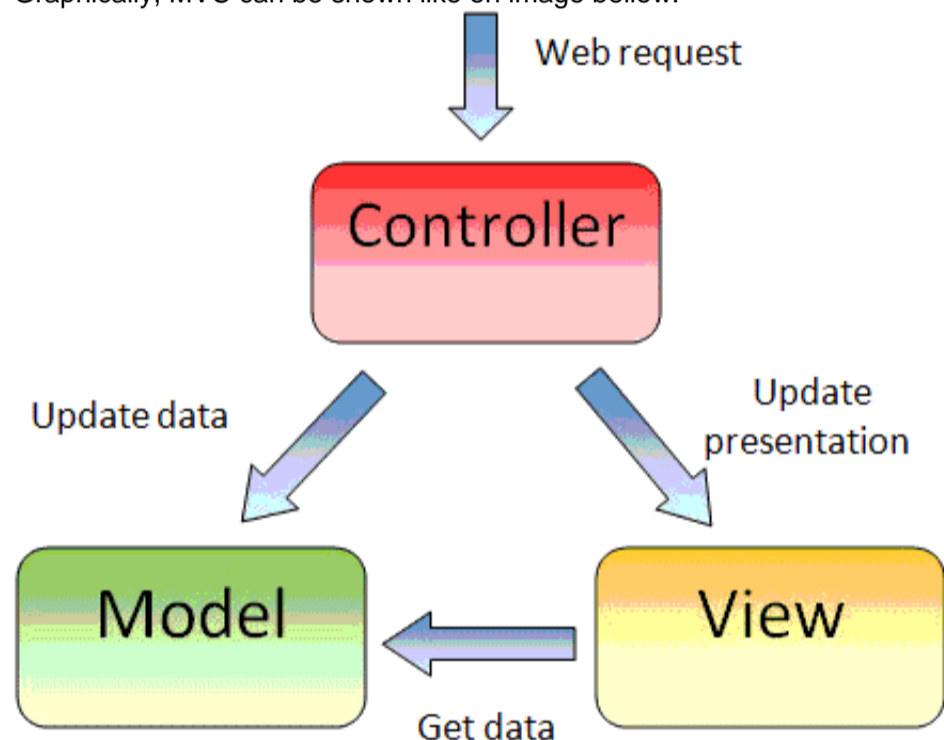You may need to drag the split bar between panes or scroll to view content.

A. Mastered
B. Not Mastered

Answer: A

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 141
- (Exam Topic 4)
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 144
- (Exam Topic 4)
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 146
- (Exam Topic 4)
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 151
- (Exam Topic 4)
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.
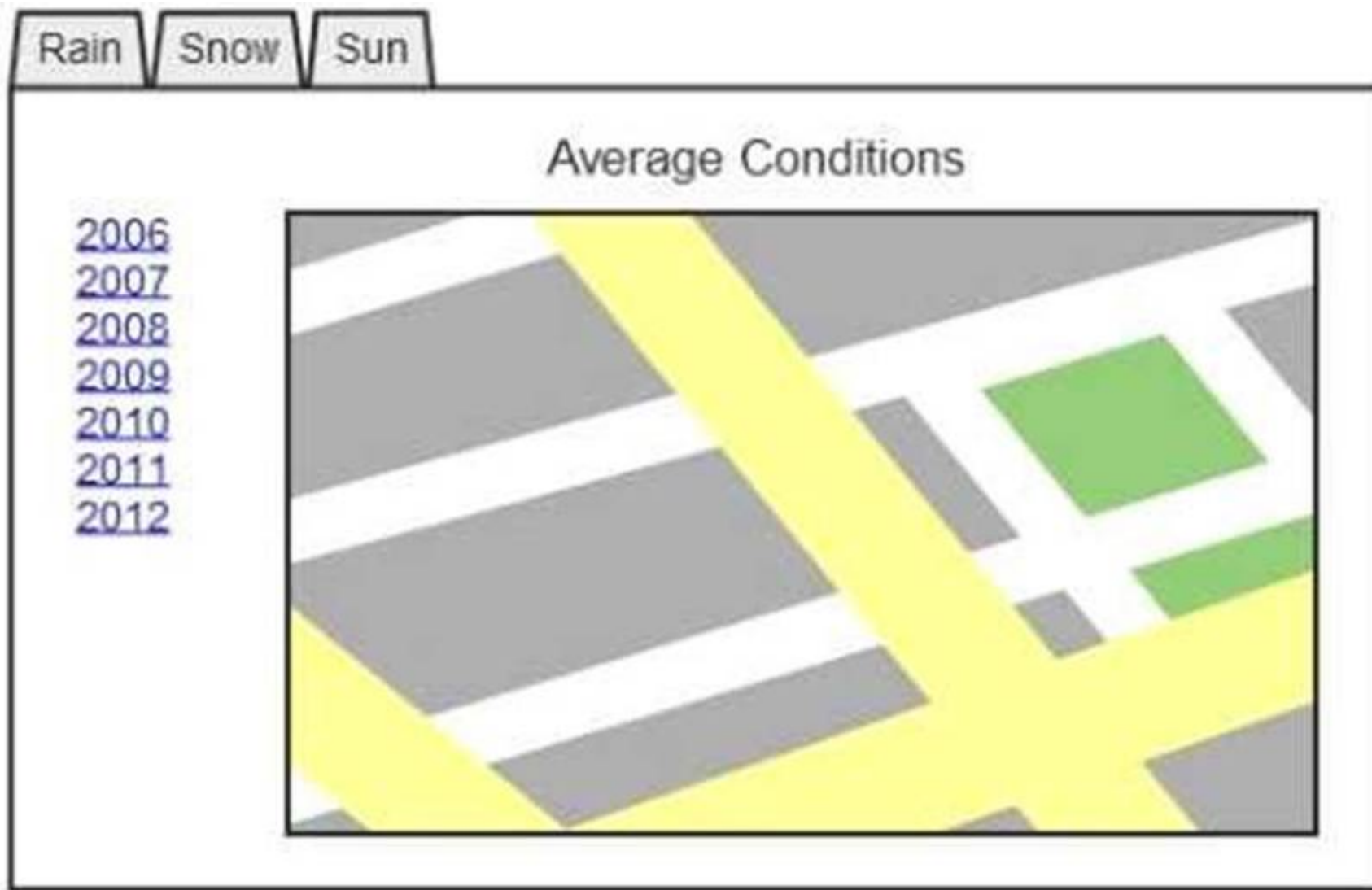
References: https://msdn.microsoft.com/en-us/library/yb506139(v=vs.110).aspx

NEW QUESTION 152
- (Exam Topic 4)
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.)

| Rain | Snow | Sun |

Average Conditions

2006
2007
2008
2009
2010
2011
2012

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 153
- (Exam Topic 4)
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. AI.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 AI.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 154
- (Exam Topic 4)
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 157
- (Exam Topic 4)
You are developing an ASP.NET MVC application. The application is deployed in a web farm and is accessed by many users.
The application must handle web server failures gracefully. The servers in the farm must share the state information.
You need to persist the application state during the session. What should you implement?

A. A state server
B. Cookieless sessions
C. A web garden on the web servers
D. An InProc session

Answer: A

Explanation:
ASP.NET session state service provides a somewhat slower service than the in-process variant as we need to make calls to a remote server. All session data is stored in memory so shutting down the state machine will wipe out all session data as well.
Incorrect:
Not D: The InProc option is particularly dangerous in a web farm environment. For example imagine one farm machine which stores the session state but not the other. Subsequent web requests from the same user may not read the correct session state.
References: https://dotnetcodr.com/2013/07/01/web-farms-in-net-and-iis-part-5-session-state-management/

NEW QUESTION 159
- (Exam Topic 4)
HOTSPOT
You are developing an ASP.NET MVC application in Visual Studio 2012. The application supports multiple cultures.
To set the culture, the application must use the AcceptLanguage header field value sent by the client browser. You need to ensure that the application can set the culture.
You have the following markup in the web.config file:

```
<system.web>
  <Target 1
  Target 2 ="true"
  Target 3 ="auto"
  culture ="auto"
/>
...
```

Which markup segments should you include in Target 1, Target 2 and Target 3 to complete the markup? (To answer, select the appropriate options in the answer area.)

Answer Area

Target 1:
```
configSource
uiCulture
enableClientBasedCulture
siteMap
globalization
```

Target 2:
```
configSource
uiCulture
enableClientBasedCulture
siteMap
globalization
```

Target 3:
```
configSource
uiCulture
enableClientBasedCulture
siteMap
globalization
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Target 1:
```
configSource
uiCulture
enableClientBasedCulture
siteMap
globalization |
```

Target 2:
```
configSource
uiCulture
enableClientBasedCulture |
siteMap
globalization
```

Target 3:
```
configSource
uiCulture |
enableClientBasedCulture
siteMap
globalization
```

NEW QUESTION 162
- (Exam Topic 4)
HOTSPOT
You are developing an ASP.NET MVC application. The layout page of the application references the jQuery library. You develop a view that uses the layout page. The view includes the following markup:

```
<div id="newBooks"></div>
<div>
  <input type="button" id="addBookButton" name="addBook" value="Add Book" />
</div>
```

The application includes the following class:

```
public class BookController : Controller
{
    public ActionResult CreateNewBook()
    {
        var bookViewModel = new BookViewModel();
        return PartialView("~/Views/Shared/EditorTemplates/BookViewModel.cshtml", bookViewModel);
    }
}
```

When a user clicks the button, an AJAX call must retrieve the partial view and append it to the newBooks div element.
You need to implement the AJAX request.
How should you complete the relevant code? To answer, select the appropriate code segment from each list in the answer area.

Answer Area

```javascript
<script language="javascript" type="text/javascript">
  $("#addBookButton").on('click', function () {
    $.ajax({
```

```
                                          ▼
  dataType: 'html'                           {
  data: 'newBooks'
  context: document.body
  url: '/Book/CreateNewBook'
    }).success(function (partialView) {
```

```
                                          ▼
  $('#newBooks').html(partialView);
  $('#newBooks').text(partialView);
  $('#newBooks').html = partialView;
  $('#newBooks').append(partialView);
    });
  });
</script>
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Example:
$.ajax({
url: this.href, cache: false,
success: function (html) { $("#fixedRows").append(html); }
});

NEW QUESTION 166
- (Exam Topic 4)
You are designing an MVC web application.
You need to combine two existing models to create a view. Which MVC component should you use?

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

Answer: D

NEW QUESTION 169
- (Exam Topic 4)
DRAG DROP
You are developing an ASP.NET MVC application in Visual Studio. The application supports multiple
cultures.
To set the culture, the application must use the AcceptLanguage header field value sent by the client browser. You need to ensure that the application can set the culture.
You have the following markup in the web.config file:

```
<system.web>
  <Target 1
  Target 2 ="true"
  Target 3 ="auto"
  culture ="auto"
/>
...
```

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

configSource

uiCulture

enableClientBasedCulture

siteMap

globalization

Answer Area

Target 1:   Markup Segment

Target 2:   Markup Segment

Target 3:   Markup Segment

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Target1: globalization
Target2: enableClientBasedCulture Target3: uiCulture
When the EnableClientBasedCulture property is enabled, the Culture and UICulture properties are based on the AcceptLanguage header field value that is sent by the client browser. If the AcceptLanguage header value cannot be mapped to a specific culture, the Culture and UICulture values are used. The default value is false.
The following combination of attributes is used in the globalization section: culture="auto", uiCulture="auto", enableClientBasedCulture="true", e.g.:
<globalization uiCulture="auto" culture="auto" enableClientBasedCulture="true"> References:

NEW QUESTION 170
- (Exam Topic 4)
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 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 InputFormatters collection in MVC. Does the solution meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 172
- (Exam Topic 4)
You are developing an ASP.NET MVC application. The application includes the following method- Une numbers are included for reference only.

```
01  private string GenerateMessage(string userAgent)
02  {
03
04    if (userAgent.ToLower().Contains("bot"))
05    {
06      return "Web crawlers prohibited";
07    }
08    return "Unknown browser";
09  }
```

The application calls the Generate Message method before displaying each page. The Generate Message method throws NullReferenceException exceptions.
You need to use Code Contracts to prevent the exceptions. Which code segment should you insert at line 03?

```
A.  Contract.Invariant(userAgent != null);
```

```
B.  Contract.Requires(userAgent != null);
```

```
C.  Contract.Assume(userAgent != null);
```

```
D.  Contract.Ensures(userAgent != null);
```

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

D. Option D

Answer: B

NEW QUESTION 173
- (Exam Topic 4)
You are developing an ASP.NET MVC application that will be deployed on a web farm.
Passwords must be stored in the web.config file and must not be readable or in a format that is easily decodable
You need to encrypt the passwords that are stored in the web.config file. Which command-line tool should you use?

A. Aspnet_regiis.exe
B. Ngen.exe
C. Aspnet_merge.exe
D. EdmGen.exe

Answer: A

Explanation:
 References:
http://msdn.microsoft.com/en-us/library/zhhddkxy(v=vs.100).aspx

NEW QUESTION 174
- (Exam Topic 4)
HOTSPOT
You are developing an ASP.NET MVC 4 application that includes the following class. Line numbers are included for reference only.

```
01  protected string _name;
02  protected float _rating;
03  protected float _balance;
04
05  public void AddCustomer(string name, float expenses, float income, float payment, float balance)
06  {
07      Contract.Requires(name != null);
08      _name = name;
09      _rating = DebtRatio(expenses, income, payment);
10      _balance = CheckBalance(balance);
11  }
12
13  public float DebtRatio(float expenses, float income, float payment)
14  {
15      float net = income - payment;
16      Contract.Assert(net != 0);
17      return expenses / net;
18  }
19
20  public float CheckBalance(float balance)
21  {
22      Contract.Ensures(balance >= 0.0f);
23      if (balance < 0.0f) balance = 0.0f;
24      return balance;
25  }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer Area

	Yes	No
The code at line 07 throws an exception, when you test the class by running the following code segment: `AddCustomer("Contoso", 100, 1000, 100, 1);`	○	○
The code at line 16 throws an exception, when you test the class by running the following code segment: `AddCustomer("Contoso", 1000, 500, 500, 0);`	○	○
The code at line 22 throws an exception, when you test the class by running the following code segment: `AddCustomer("Contoso", 100, 100, 1000, -1);`	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: No
Line 7 executes fine as Name is the string Contoso. Box 2: Yes
The assertion of Line 16 fails as the Boolean expression net|=0 evaluates to false (500-500 equals 0).
Note: An assertion verifies an assumption of truth for compared conditions. The assertion is central to the unit test. The Assert class provides many static methods for verifying suppositions of truth. If the condition being verified is not true, the assertion fails. The Assert class throws an AssertFailedException to signal a failure.
Box 3: No
The Boolean expression on line 22, balance >= 0.0f, evaluates to 0 >=0.0f (true), as balance is set to 0.0f at line 21, and because Contract.ensures is a postcondition.
Note: The Contract.Ensures method specifies a postcondition contract for the enclosing method or property. References: https://msdn.microsoft.com/en-us/library/microsoft.visualstudio.testtools.unittesting.assert.aspx http://stackoverflow.com/questions/7052640/how-does-contract-ensures-work

NEW QUESTION 178
- (Exam Topic 4)
You are developing an ASP.NET MVC application by using Visual Studio 2012. The application throws and handles exceptions when it runs.
You need to examine the state of the application when exceptions are thrown. What should you do?
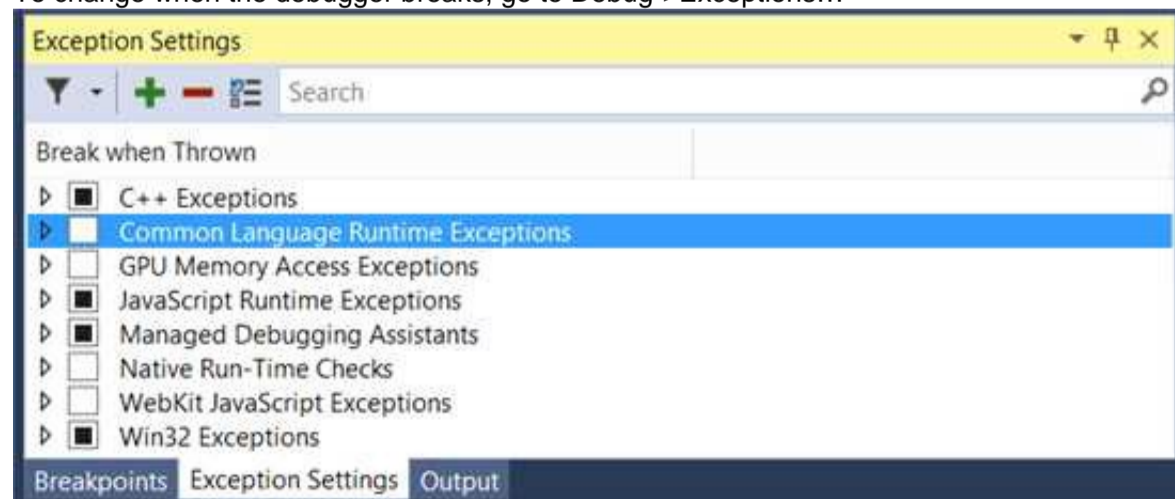
A. From the Debug menu in Visual Studio 2012, select Exception
B. Enable the Thrown check box for Common Language Runtime Exceptions.
C. From the DEBUG menu in Visual Studio 2012, select Attach to Proces
D. Select the IIS process.
E. From the Debug menu in Visual Studio 2012, select Exception
F. Disable the User-unhandled check box for Common Language Runtime Exceptions.
G. From the TOOLS menu in Visual Studio 2012, click Customiz
H. Click the Command tab and select Debug.

Answer: A

Explanation:
Configuring the debugger to break for first chance exceptions
To change when the debugger breaks, go to Debug->Exceptions…

When you first open this window you will see that there is a tree grid with one column and checkboxes.
* Break when Thrown. This includes a default list of exceptions known by the debugger, grouped by category. Note: The possible exceptions that could break from this list is determined by the runtime you are debugging.
For example, if you are using managed-only debugging then the debugger will never break for C++, Win32
Exceptions, etc. even if they are configured to break when thrown.
* Checkboxes. If you check the box for a category, then the debugger will break for all First Chance Exceptions while debugging. If you don't want to enable all First Chance Exceptions, you can find the specific exception types that you wish to configure by using the search box.

NEW QUESTION 182
- (Exam Topic 4)
You are developing an ASP.NET MVC application.
The application has a contact view includes a form for editing the displayed contact.
You need to save the Contact object model when the form is posted back to the EditContact method using a POST method request.
Which code segment should you use? Each correct answer presents a complete solution. Choose all that apply.

A. public ActionResult EditContact(){var c = newContact(){FirstName = Request.QueryString['"FirstName"'],LastName = Request.QueryString["LastName"]},SaveContact(c);return View(c);}
B. public ActionResult EditContact(Contact c){SaveContact(c);return View(c);}
C. public ActionResult EditContact(FormCollection values){var c = newContact(){FirstName = values['"FirstName"'],LastName = values["LastName"]},SaveContact(c);return View(c);}
D. public ActionResult EditContact(QueryStringProvider values){var c = newContact(){FirstName = values.GetValue['"FirstName"'],LastName = values.GetValue["LastName"]},SaveContact(c);return View(c);}

Answer: AB

NEW QUESTION 187
- (Exam Topic 4)
DRAG DROP
You are developing an ASP.NET MVC application in a web farm. The application has a page that uploads a customer's photo, resizes it, and then redirects the browser to a page where the new image is displayed along with the final dimensions.
The final dimensions should be available only to the page where the new image 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.)

Items	Answer area
TempData	Store state in [Item] and set the mode attribute of
ViewData	the sessionState element in the web.config file to [Item]
InProc	
SqlServer	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Items	Answer area
TempData	Store state in [TempData] and set the mode attribute of
ViewData	the sessionState element in the web.config file to [SqlServer]
InProc	
SqlServer	

NEW QUESTION 188
- (Exam Topic 4)
You are developing an ASP.NET MVC web application.
You need to create a form that can be used to add new products to the web application. You have the following markup:

```
<h2>Add Product</h2>
    Target 1
        <table>
            <tr>
                <td>Product Name:</td>
                Target 2
            </tr>
            <tr>
                <td>Price:</td>
                Target 3
            </tr>
            <tr>
                <td></td>
                <td>
                    Target 4
                </td>
            </tr>
        </table>
    </form>
```

Which markup segments should you include in Target 1, Target 2, Target 3 and Target 4 to complete the markup? To answer, drag the appropriate markup segments 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

```
<form action="/Products/Create" method="post">
<form action="/Products/Create" method="submit">
<td>@Html.TextBox(@Model.ProductName)</td>
<td>@new TextBox(@Model.ProductName)</td>
<td>@Html.TextBox(@Model.UnitPrice)</td>
<td>@new TextBox(@Model.UnitPrice)</td>
<input type="submit" value="Save"/>
<input type="post" value="Save"/>
```

Answer area

Target 1
Markup segment

Target 2
Markup segment

Target 3
Markup segment

Target 4
Markup segment

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Target 1: <form action="/Products/Create" method="post"> The form methods are post and get (not submit).
Target 2: <td>@Html.Textbox(@Model.ProductName)</td>
The InputExtensions.TextBox method returns a text input element. The TextBox method is designed to make it easy to bind to view data or model data.
Target3: <td>@Html.Textbox(@Model.UnitPrice)</td>
The InputExtensions.TextBox method returns a text input element. The TextBox method is designed to make it easy to bind to view data or model data.
Target 4: <input type="submit" value="Save"/>
The submitattribute, of input type, declares a submit button. The input type attribute does not have a post attribute. References:
https://weblogs.asp.net/scottgu/asp-net-mvc-preview-5-and-form-posting-scenarios https://msdn.microsoft.com/en-us/library/system.web.mvc.html.inputextensions.textbox(v=vs.118).aspx

NEW QUESTION 193
- (Exam Topic 4)
You are developing an ASP.NET MVC application by using Visual Studio 2012. The application throws and handles exceptions when it runs.
You need to examine the state of the application when exceptions are thrown. What should you do?

A. From the Debug menu in Visual Studio 2012, select Exception
B. Enable the Thrown check box for Common Language Runtime Exceptions.
C. From the Debug menu in Visual Studio 2012, select Exception
D. Disable the User-unhandled check box for Common Language Runtime Exceptions.
E. Add the following code to the web.config file of the application.<customErrors mode="On" ><error statusCode="500" redirect="CustomErrors.html"

/></customErrors>
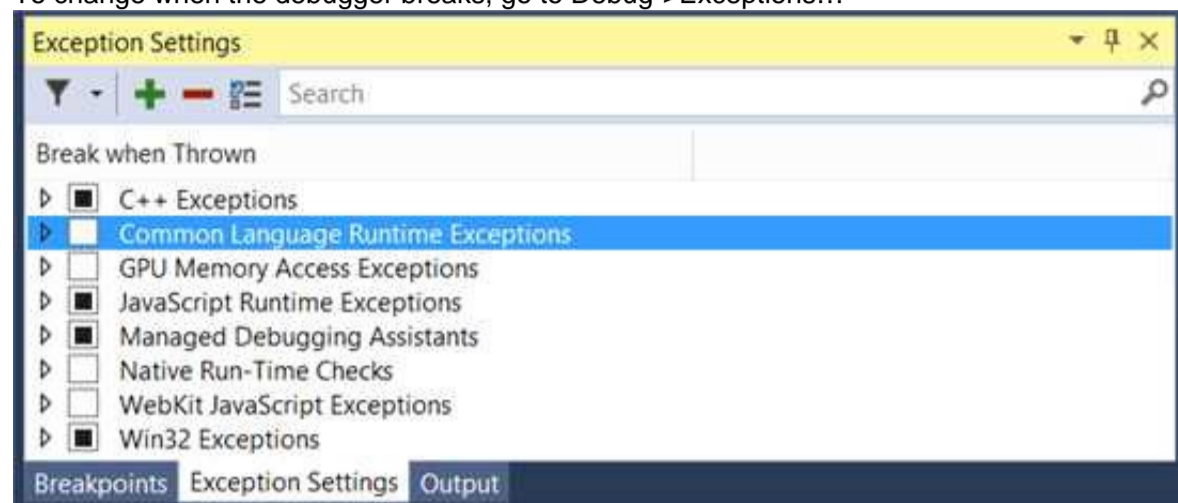F. Add the following code to the web.config file of the application.<customErrors mode="On" ><error statusCode="404" redirect="CustomErrors.html"
/></customErrors>

Answer: A

Explanation:
Configuring the debugger to break for first chance exceptions
To change when the debugger breaks, go to Debug->Exceptions…

When you first open this window you will see that there is a tree grid with one column and checkboxes.
* Break when Thrown. This includes a default list of exceptions known by the debugger, grouped by category. Note: The possible exceptions that could break from this list is determined by the runtime you are debugging.
For example, if you are using managed-only debugging then the debugger will never break for C++, Win32 Exceptions, etc. even if they are configured to break when thrown.
* Checkboxes. If you check the box for a category, then the debugger will break for all First Chance Exceptions while debugging. If you don't want to enable all First Chance Exceptions, you can find the specific exception types that you wish to configure by using the search box.

NEW QUESTION 195
- (Exam Topic 4)
You are designing a ASP.NET Core MVC application that runs on the Microsoft Azure platform.
The application must store a small amount of information that is shared across all users and does not change frequently.
You need to configure the application to meet the requirements.
Which server-side state management options will achieve the goal? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. HTTP Cookie
B. Azure SQL Database
C. ASP.NET session state
D. ASP.NET application state

Answer: BD

NEW QUESTION 196
- (Exam Topic 4)
You are building an ASP.NET application for a purchasing system.
The application has a method named CalculateBalance in the Purchasing class. You need to create a unit test for the CalculateBalance method.
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.

Actions

Answer Area

Debug the solution

Run all tests

Add the TestClass attribute to the test class and the TestMethod attribute to the CalculateBalance method. Add an Assert statement for each value that you are testing.

Create a reference to the Purchasing project in the unit test project. Then, create a test class that has a copy of the CalculateBalance method.

Select the Purchasing project and add a new Unit Test project.

Build the solution.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: Select the Purchasing Project and add a new Unit Test Project. First we create a Unit Test Project within the current project.
Step 2:

> **Add the TestClass attribute to the test class and the TestMethod attribute to the CalculateBalance method. Add an Assert statement for each value that you are testing.**

You can turn an existing unit test into an ASP.NET unit test by configuring it, that is, by assigning values to certain of the test's custom attributes. You set these values in the code file that contains the unit test.
All unit tests require the [TestMethod] attribute. Step 3: Build the solution
Step 4: Run all tests
Step 5: Debug the solution
After you run a unit test, if you chose to edit the test run configuration when you ran the test, you can open the Code Coverage window to see what percentage of the methods in the code that you are testing were covered by your unit tests.
Incorrect: Not:

> **Create a reference to the Purchasing project in the unit test project. Then, create a test class that has a copy of the CalculateBalance method.**

You do not set up testing by creating copies of methods.
References: https://msdn.microsoft.com/en-us/library/ms182526(v=vs.90).aspx

NEW QUESTION 201
- (Exam Topic 4)
You are developing an ASP.NET Core MVC web application that will be deployed to Microsoft Azure App Services Web App.
Scheduled downtime during deployment of new features is not permitted. You need to ensure that deployments do not result in downtime.
What should you do?

A. Add additional upgrade domains.
B. Use deployment slots during deployments.

C. Convert the Web App to run in a standalone Docker container.
D. Upgrade to a Premium App Service plan.

Answer: B

Explanation:
References: https://blogs.msdn.microsoft.com/mvpawardprogram/2017/05/16/deploy-app-azure-app-service/

NEW QUESTION 202
- (Exam Topic 4)
You develop an ASP.NET MVC application. The application has a controller named PeopleController.cs. The controller has an action method that returns a parent view. The parent view includes the following code. Line numbers are included for the reference only.

```
01 @model PartialView.Models.PersonViewModel
02 @{
03    ViewBag.Title = "People";
04 }
05 <div>
06    <h1>People</h1>
07 </div>
08 <div>
09
10 </div>
```

The application also contains a partial view named People. The parent view must display the partial view. You need to add code at line 09 to display the partial view within the parent view.
Which two code segments will achieve the goal? Each correct answer presents a complete solution.

A. @{ Html.RenderPartial("People", Model);}
B. @Html.Partial("People", Model)
C. @Html.Display("People", Model)
D. @Html.Raw("People")

Answer: B

Explanation:
By default, any partial view rendered by calling @Html.Partial("PartialViewName") will get the view model passed to the parent view.
References:

NEW QUESTION 205
- (Exam Topic 4)
HOTSPOT
You are developing an ASP.NET MVC application. The application includes the following code. Line numbers are included for reference only.

```
01 [HandleError]
02 public class HomeController : Controller
03 {
04    public ActionResult Index()
05    {
06       return View();
07    }
08    public ActionResult About()
09    {
10       return View();
11    }
12    public ActionResult Contact()
13    {
14       return View();
15    }
16 }
```

You add the following markup to the system.web section of the web.config file:

```
<customErrors mode="On" defaultRedirect="Error.htm">
  <error statusCode="500" redirect="/CustomError.htm" />
</customErrors>
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer Area

	Yes	No
When a 400-level error occurs, the ASP.NET default error page displays.	○	○
When a 500-level error occurs in an **ActionResult** method, the Error view in the ~/Views/Shared folder handles the error.	○	○
When an exception occurs while displaying the Error view, AppErrors.htm handles the error.	○	○

A. Mastered
B. Not Mastered
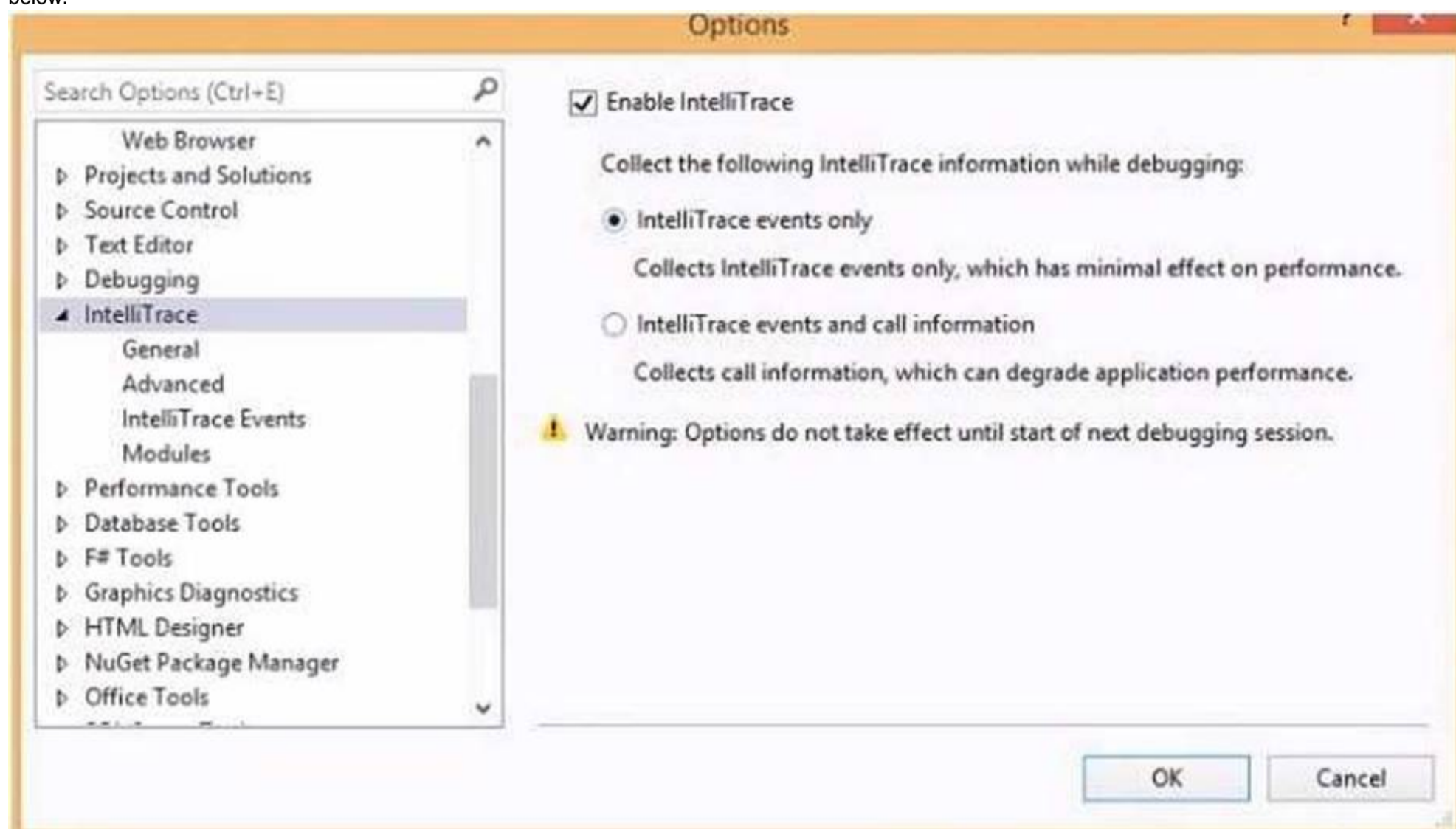
Answer: A

Explanation:

Answer Area

	Yes	No
When a 400-level error occurs, the ASP.NET default error page displays.	◉	○
When a 500-level error occurs in an **ActionResult** method, the Error view in the ~/Views/Shared folder handles the error.	◉	○
When an exception occurs while displaying the Error view, AppErrors.htm handles the error.	○	◉

NEW QUESTION 206
- (Exam Topic 4)
HOTSPOT
You are developing an ASP.NET MVC 4 application. You are using IntelliTrace to debug the application. You configure IntelliTrace as shown in the screenshot below.

To answer, make the appropriate selections in the answer area.

Answer Area

Which data will be available during debugging?

- state for application variables only
- state for application variables and ADO.NET and ASP.NET events
- state for application variables and every method entry and exit

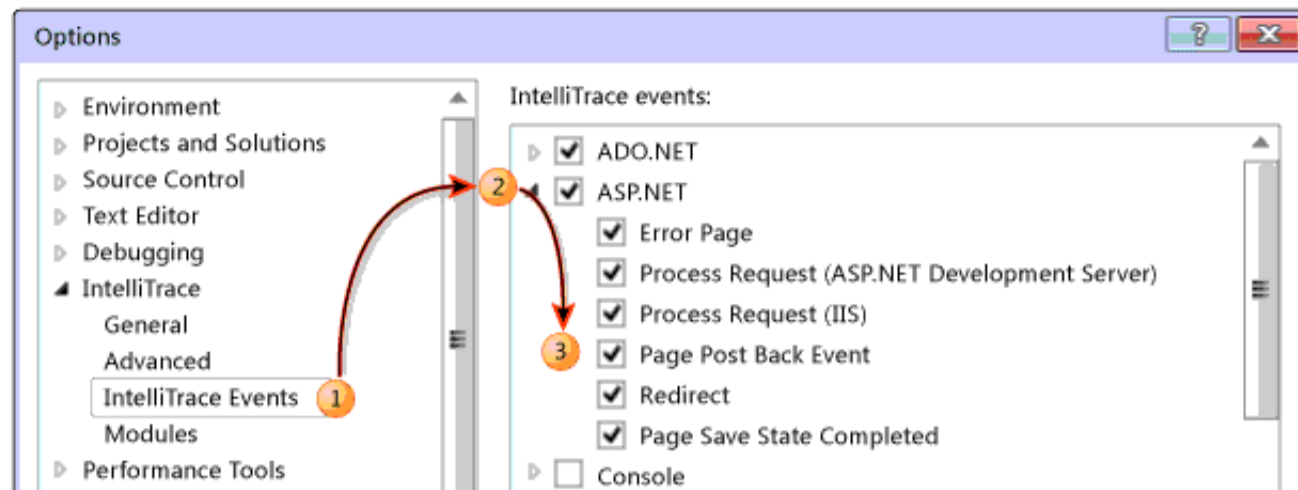Which debugging features will be disabled?

- Edit and Continue
- Tracepoints and breakpoints
- Tracing for every method entry and exit

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1:

Box 2:

NEW QUESTION 211
- (Exam Topic 4)
You are developing an ASP.NET MVC web application in Visual Studio 2012. The application requires several thousand content files. All content is hosted on the same IIS instance as the application.
You detect performance issues when the application starts. You need to resolve the performance issues.
What should you do?

A. Implement HTTP caching in the ASP.NET MVC controllers.
B. Combine the content files by using ASP.NET MVC bundling.
C. Install a second IIS instance.
D. Move the content to a Windows Azure CDN.

Answer: B

Explanation:
Bundling is a new feature in ASP.NET 4.5 that makes it easy to combine or bundle multiple files into a single file. You can create CSS, JavaScript and other bundles. Fewer files means fewer HTTP requests and that can improve first page load performance.
References: https://www.asp.net/mvc/overview/performance/bundling-and-minification

NEW QUESTION 214
- (Exam Topic 4)
You plan to deploy an ASP.NET Core MVC web application to an internal server cluster that runs Kestrel on Linux. The server cluster hosts many other web applications. All applications are behind an Nginx load balancer.
You need to ensure that the application meets the following requirements:
• Secure against man-in-the-middle attacks.
• Allow Open ID Connect authentication.
• Cache responses using HTTP caching.
Which two actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Enable the proxy_cache_bypass module.
B. Configure ASP.NET Core to use forwarded headers.
C. Bind Kestrel to port 0.
D. Terminate Secure Sockets Layer (SSL) in Kestrel.

Answer: D

NEW QUESTION 218
- (Exam Topic 4)
You are developing an ASP.NET MVC application that uses forms authentication against an Oracle database. You need to authenticate the users.
Which code segment should you use?

A.
```
public class OracleMembershipProvider : ProviderBase
{
    ...
}
```

B.
```
public class OracleMembershipProvider : ClientFormsMembershipProvider
{
    ...
}
```

C.
```
public class OracleMembershipProvider : SqlMembershipProvider
{
    ...
}
```

D.
```
public class OracleMembershipProvider : MembershipProvider
{
    ...
}
```

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

Answer: D

Explanation:
When implementing a custom membership provider, you are required to inherit the MembershipProvider abstract class.
There are two primary reasons for creating a custom membership provider.
You need to store membership information in a data source that is not supported by the membership providers included with the .NET Framework, such as a FoxPro database, an Oracle database, or other data source.
You need to manage membership information using a database schema that is different from the database schema used by the providers that ship with the .NET Framework. A common example of this would be membership data that already exists in a SQL Server database for a company or Web site.

NEW QUESTION 223
- (Exam Topic 4)
You are developing an ASP.NET MVC web application that includes the following method.

```
public double AccountBalance(double currentBalance, double transactionAmount)
{
    double finalBalance = 0.00;
    finalBalance = currentBalance + transactionAmount;
    return finalBalance;
}
```

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

A.
```csharp
[TestMethod()]
private void AccountBalanceTest()
{
    double currentBalance = 175.05;
    double transactionAmount = 76.03;
    double finalBalance = 251.08;
    double result = 0.00;

    result = AccountBalance(currentBalance, transactionAmount);
    Assert.IsEqual(finalBalance, result);
}
```

B.
```csharp
[TestMethod()]
public void AccountBalanceTest()
{
    double currentBalance = 175.05;
    double transactionAmount = 76.03;
    double finalBalance = 251.08;
    double result = 0.00;

    result = AccountBalance(currentBalance, transactionAmount);
    Assert.IsTrue(finalBalance, result);
}
```

C.
```csharp
[TestMethod()]
public void AccountBalanceTest()
{
    double currentBalance = 175.05;
    double transactionAmount = 76.03;
    double finalBalance = 251.08;
    double result = 0.00;

    result = AccountBalance(currentBalance, transactionAmount);
    Assert.AreEqual(finalBalance, result);
}
```

D.
```csharp
[UnitTest()]
public void AccountBalanceTest()
{
    double currentBalance = 175.05;
    double transactionAmount = 76.03;
    double finalBalance = 251.08;
    double result = 0.00;

    result = AccountBalance(currentBalance, transactionAmount);
    Assert.AreEqual(finalBalance, result);
}
```

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

Answer: C

Explanation:
All unit tests require the [TestMethod] attribute.
The Assert.AreEqual method verifies that specified values are equal. Incorrect:
Not D: All unit tests require the [TestMethod] attribute. References:
http://msdn.microsoft.com/en-us/library/microsoft.visualstudio.testtools.unittesting.assert.areequal(v=vs.110).as

NEW QUESTION 225
- (Exam Topic 4)
HOTSPOT
You are developing an ASP.NET MVC application.
Before an action is executed, information about the action must be written to a log. After results are returned, information about the results also must be written to the log.
You need to log the actions and results. You have the following code:

```
Target 1
{
    public override void
    Target 2
    {
        Logger.Log("ActionLog", filterContext.RouteData);
    }
    public override void
    Target 3
    {
        Logger.Log("ResultLog", filterContext.RouteData);
    }
}
```

Which code segments should you include in Target 1, Target 2 and Target 3 to implement the LogActionFilter class? (To answer, select the appropriate option from the drop-down list in the answer area.)

Answer Area

Target 1:
```
OnActionExecuting(ActionExecutingContext filterContext)
OnActionExecuted(ActionExecutedContext filterContext)
OnResultExecuting(ResultExecutingContext filterContext)
OnResultExecuted(ResultExecutedContext filterContext)
public class LogActionFilter : ActionFilterAttribute
public class LogActionFilter : IActionFilter
```

Target 2:
```
OnActionExecuting(ActionExecutingContext filterContext)
OnActionExecuted(ActionExecutedContext filterContext)
OnResultExecuting(ResultExecutingContext filterContext)
OnResultExecuted(ResultExecutedContext filterContext)
public class LogActionFilter : ActionFilterAttribute
public class LogActionFilter : IActionFilter
```

Target 3:
```
OnActionExecuting(ActionExecutingContext filterContext)
OnActionExecuted(ActionExecutedContext filterContext)
OnResultExecuting(ResultExecutingContext filterContext)
OnResultExecuted(ResultExecutedContext filterContext)
public class LogActionFilter : ActionFilterAttribute
public class LogActionFilter : IActionFilter
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Target 1: IActionFilter
MVC3 introduced a completely new pattern to configure filters for controllers and its actions. While injection of filter attributes is still supported it is recommended using this new pattern for filter configuration because it has the advantage to support constructor injection and does not require the InjectAttribute anymore.
First of all you have to create your filter class by implementing one of the filter interfaces e.g. IActionFilter. Target 2: public void
OnActionExecuting(ActionExecutingContext filterContext)
Target 3: public void OnActionExecuted(ActionExecutedContext filterContext) References:

NEW QUESTION 228
- (Exam Topic 4)
You are designing a data-oriented application that features a variety of storage schemas. The application object model must be mapped to the various storage schemas.
You need to enable developers to manipulate the data.
Which ADO.NET data access strategy should you use? (Each correct answer presents a complete solution. Choose all that apply.)

A. LINQ to SQL
B. Entity Framework
C. DataAdapter
D. DataReader

Answer: ABC

NEW QUESTION 230
- (Exam Topic 4)
You are developing an ASP.NET MVC application. Devices that use many different browsers will use the application.
You have the following requirements:

- Content must display correctly when a device is in landscape or portrait orientation.
- Content must not scale when the device orientation changes.
- Content must be displayed by using the maximum available screen space.
- The application must render properly in Internet Explorer 8 or later versions.

You need to configure the application.
Which two actions should you perform? Each correct answer presents part of the solution.

A. Use JavaScript to evaluate the window.innerWidth and window.innerHeigh properties.
B. Set the value of the width property for the viewport meta tag to device-width.
C. Use CSS to target the HTML element on each pag
D. Set the values of the width and height properties to 100%.
E. Use CSS media queries to target screen size, device orientation, and other browser capabilities.

Answer: BD

Explanation:
B: If you want the viewport width to match the device's physical pixels, you can specify the following:
<meta name="viewport" content="width=device-width">
For this to work correctly, you must not explicitly force elements to exceed that width (e.g., using a width attribute or CSS property), otherwise the browser will be forced to use a larger viewport regardless.
D: Media queries in CSS3 extend the CSS2 media types idea: Instead of looking for a type of device, they look at the capability of the device.
Media queries can be used to check many things, such as: width and height of the viewport
width and height of the device
orientation (is the tablet/phone in landscape or portrait mode?) resolution
Using media queries are a popular technique for delivering a tailored style sheet to tablets, iPhone, and Androids.
References:
https://www.asp.net/whitepapers/add-mobile-pages-to-your-aspnet-web-forms-mvc-application
http://www.w3schools.com/css/css3_mediaqueries.asp

NEW QUESTION 233
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