



**Microsoft**

## **Exam Questions MS-600**

Building Applications and Solutions with Microsoft 365 Core Services

### NEW QUESTION 1

- (Exam Topic 1)

Which URI should you use to query all the emails that relate to an invoice?

```
https://graph.microsoft.com/v1.0/me/messages?$search="{invoiceid}"

https://graph.microsoft.com/v1.0/me/messages?$subject eq {invoiceid}

https://graph.microsoft.com/v1.0/me/messages?${invoiceid}

https://graph.microsoft.com/v1.0/me/messages?$filter=contains(subject,{invoiceid})
```

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

**Answer:** A

### NEW QUESTION 2

- (Exam Topic 1)

Which type of authentication flow should you recommend for the planned integration with Office 365?

- A. device code
- B. implicit grant
- C. authorization code
- D. client credentials

**Answer:** C

#### Explanation:

To use Microsoft Graph to read and write resources on behalf of a user, your app must get an access token from the Microsoft identity platform and attach the token to requests that it sends to Microsoft Graph.

One common flow used by native and mobile apps and also by some Web apps is the OAuth 2.0 authorization code grant flow.

Scenario: Email the generated invoices to customers on behalf of the current signed-in user. Any emails generated by the system will contain the invoice.

Use Azure AD to manage identities, authentication, and authorization. Reference: <https://docs.microsoft.com/en-us/graph/auth-v2-user>

### NEW QUESTION 3

- (Exam Topic 2)

You have a custom Microsoft Word add-in that was written by using Microsoft Visual Studio Code. A user reports that there is an issue with the add-in.

You need to debug the add-in for Word Online.

What should you do before you begin debugging in Visual Studio Code?

- A. Disable script debugging in your web browser
- B. Sideload the add-in
- C. Publish the manifest to the Microsoft SharePoint app catalog
- D. Add the manifest path to the trusted catalogs

**Answer:** C

#### Explanation:

Debug your add-in from Excel or Word on the web

To debug your add-in by using Office on the web (see step 3):

- \* 12. Deploy your add-in to a server that supports SSL.
- \* 13. In your add-in manifest file, update the SourceLocation element value to include an absolute, rather than a relative, URI.
- \* 14. Upload the manifest to the Office Add-ins library in the app catalog on SharePoint.
- \* 15. Launch Excel or Word on the web from the app launcher in Office 365, and open a new document.
- \* 16. On the Insert tab, choose My Add-ins or Office Add-ins to insert your add-in and test it in the app.
- \* 17. Use your favorite browser tool debugger to debug your add-in.

Reference: <https://docs.microsoft.com/en-us/office/dev/add-ins/testing/debug-add-ins-in-office-online>

### NEW QUESTION 4

- (Exam Topic 2)

You need to develop a server-based web app that will be registered with the Microsoft identity platform. The solution must ensure that the app can perform operations on behalf of the user?

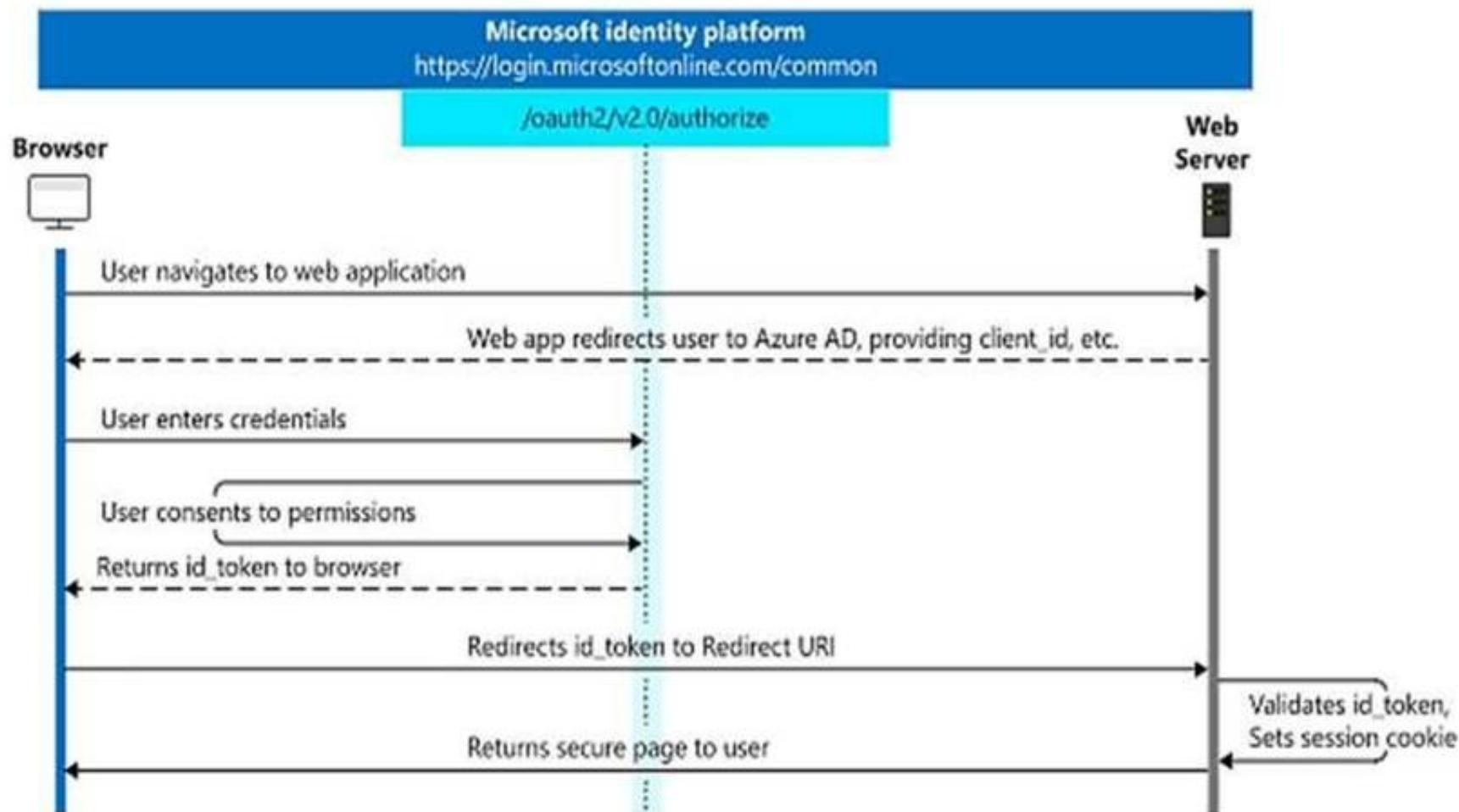
Which type of authorization flow should you use?

- A. authorization code
- B. refresh token
- C. resource owner password
- D. device code

**Answer:** A

**Explanation:**

In web server apps, the sign-in authentication flow takes these high-level steps:



You can ensure the user's identity by validating the ID token with a public signing key that is received from the Microsoft identity platform endpoint. A session cookie is set, which can be used to identify the user on subsequent page requests. In addition to simple sign-in, a web server app might need to access another web service, such as a REST API. In this case, the web server app engages in a combined OpenID Connect and OAuth 2.0 flow, by using the OAuth 2.0 authorization code flow. Reference: <https://docs.microsoft.com/en-us/azure/active-directory/develop/v2-app-types>

**NEW QUESTION 5**

- (Exam Topic 2)

This question requires that you evaluate the underlined BOLD text to determine if it is correct.

You develop a Microsoft Teams application that uses a messaging extension. Users can invoke the messaging extension from the Teams sidebar menu.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

- A. No change is needed
- B. from the compose box of a Teams chat
- C. by using the Manage teams option for a team
- D. by using the Add a tab option in the Teams channel

**Answer:** B

**Explanation:**

In the app manifest for your Microsoft Teams app you'll define a single messaging extension with up to ten different commands. Each command defines a type (action or search), and the locations in the client it can be invoked from (compose message area, command bar, and/or message).

Reference:

<https://docs.microsoft.com/en-us/microsoftteams/platform/messaging-extensions/what-are-messaging-extension>

**NEW QUESTION 6**

- (Exam Topic 2)

You are developing a Microsoft Office Add-in for Microsoft Word. Which Office UI element can contain commands from the add-in?

- A. dialog boxes
- B. the Quick Access Toolbar (QAT)
- C. context menus
- D. task panes

**Answer:** A

**NEW QUESTION 7**

- (Exam Topic 2)

You need to request permission to create a group in a Sharepoint Framework (SPFx) solution. To which file should you add the permission request?

- A. Config.json
- B. Package.json
- C. Serve.json
- D. Package-solution.json

**Answer:** D

#### NEW QUESTION 8

- (Exam Topic 2)

You are developing a Microsoft Teams application.

Which Teams feature provides you with the ability to invoke a model popup by using the minimum amount of custom code?

- A. An adaptive card
- B. A bot
- C. A connector
- D. A task module

**Answer: B**

#### NEW QUESTION 9

- (Exam Topic 2)

You have an application named App1 that is used to administer an Azure Active Directory (Azure AD) tenant. When administrators install Appl, they are prompted for admin consent.

Which application permission can cause the administrators to be prompted for consent?

- A. RoleManagemen
- B. Read . Directory
- C. Device.Command
- D. Device.Read
- E. Calendars.ReadWrite

**Answer: A**

#### NEW QUESTION 10

- (Exam Topic 2)

You have a starter SharePoint Framework (SPFx) web part.

You need to test the web part from the local workbench by connecting to a URL of [https:// localhost:4321/temp/workbench.html](https://localhost:4321/temp/workbench.html).

Which tool should you use make the web part available locally for debugging?

- A. Yeoman
- B. Microsoft Visual Studio Code
- C. npm install
- D. gulp serve

**Answer: B**

#### Explanation:

By setting up debugging of your SharePoint Framework solution in Visual Studio Code, you can more efficiently step through your code and fix errors.

When building SharePoint Framework solutions, you can use the local workbench to verify that your web part is working correctly. Using the local workbench is convenient for testing all scenarios that do not require communicating with SharePoint as well as for offline development.

Reference: <https://docs.microsoft.com/en-us/sharepoint/dev/spfx/debug-in-vscode>

#### NEW QUESTION 10

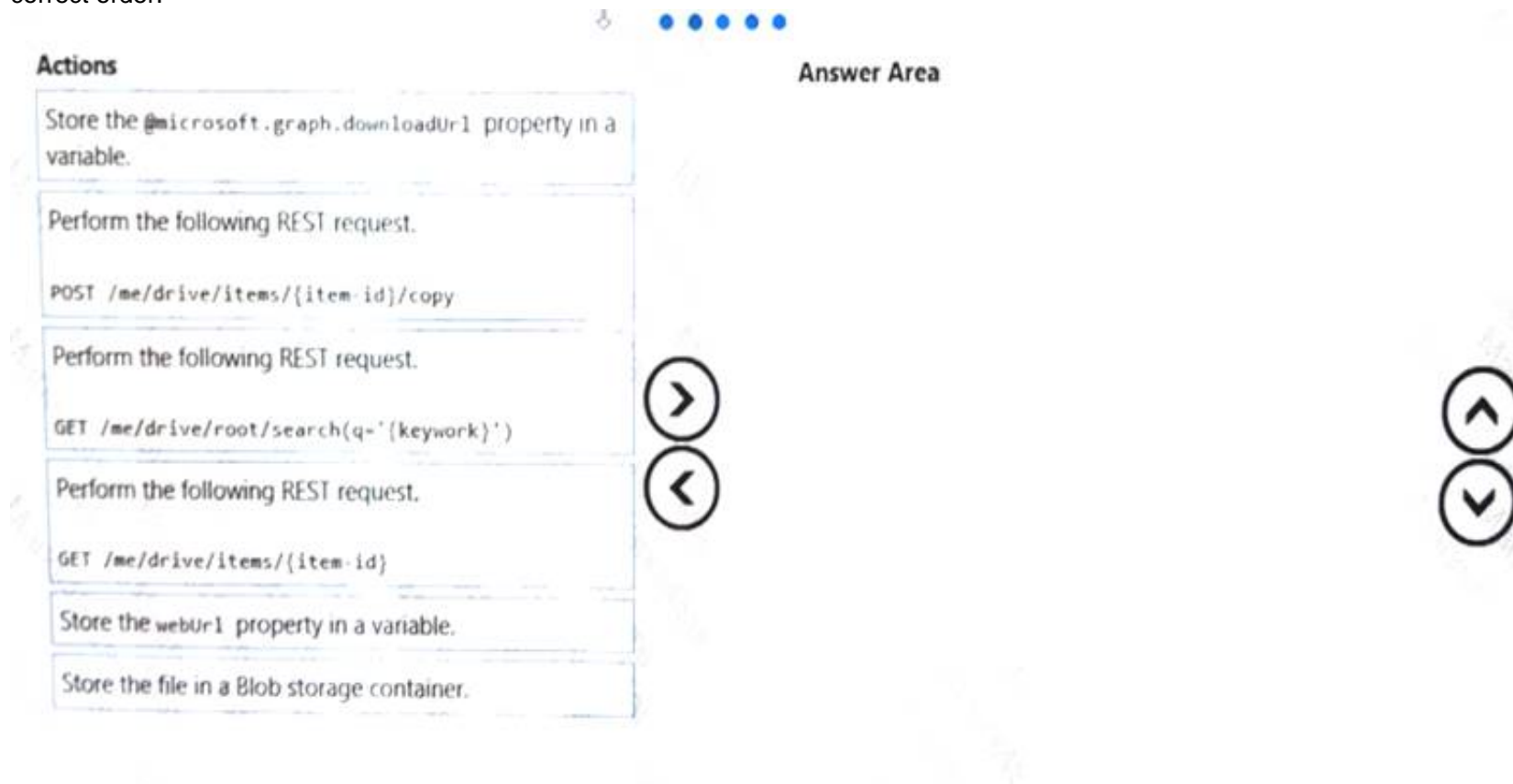
- (Exam Topic 2)

You are developing a sever-based application that has the following requirements: Prompt the user to fill out a form that contains a keyword.

Search the Microsoft OneDrive folder for files that contain the keyword and return the results to the user. Allow the user to select one of the files from the results.

Copy the selected file to an Azure Blob storage container.

Which four actions should the application perform in sequence? To answer, move the actions from the list of actions to the answer area and arrange them in the correct order.

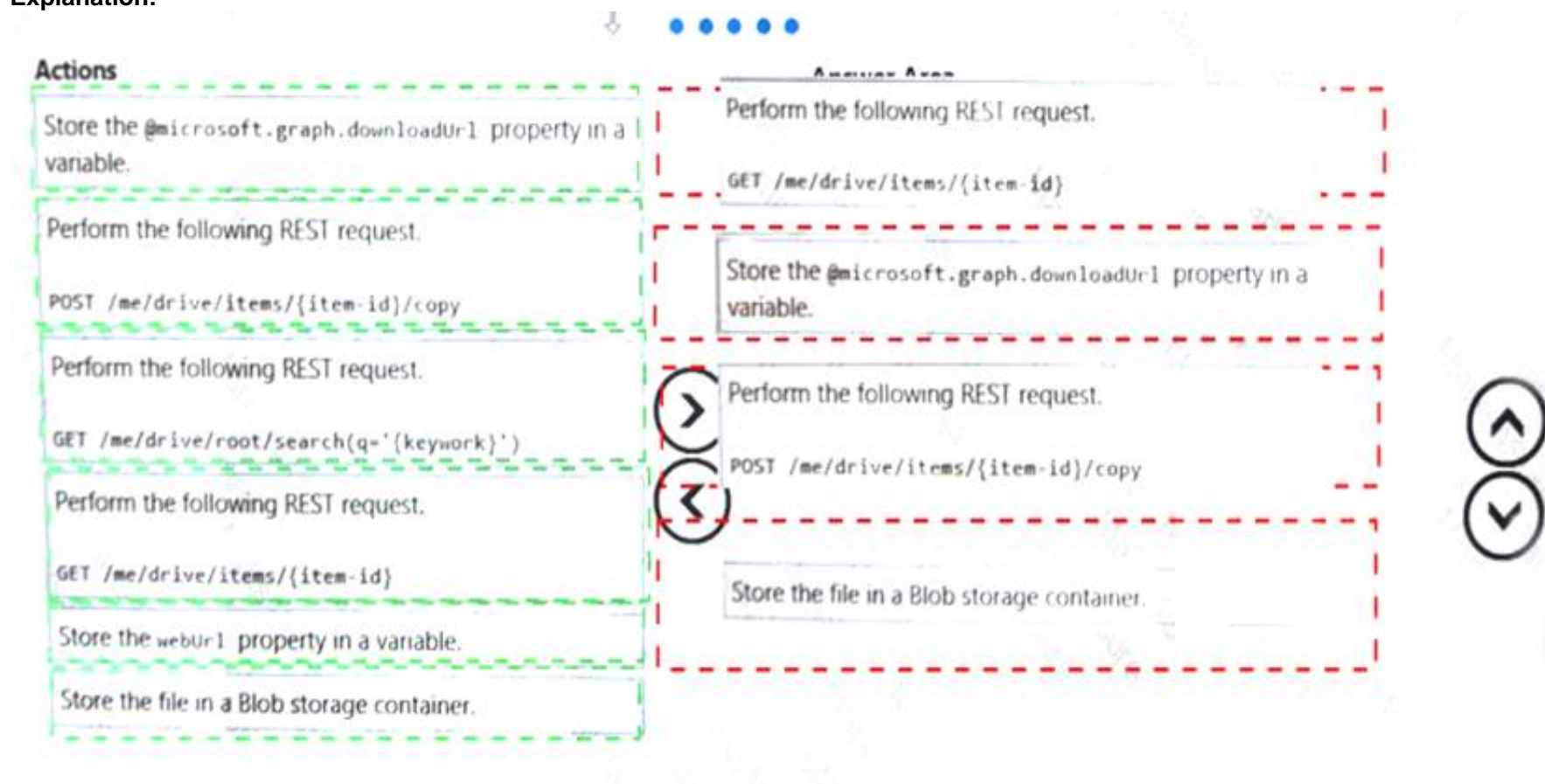




- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



#### NEW QUESTION 14

- (Exam Topic 2)

You are developing a front end web app.

You want to display the current username as part of the user interface.

You need to retrieve the current username from Microsoft Graph by using a REST request. The solution must minimize the amount of information returned.

To which URI should you send the request?

- [https://graph.microsoft.com/v1.0/users/john@contoso.com/people?\\$select=displayName](https://graph.microsoft.com/v1.0/users/john@contoso.com/people?$select=displayName)
- [https://graph.microsoft.com/v1.0/me?\\$search=displayName](https://graph.microsoft.com/v1.0/me?$search=displayName)
- <https://graph.microsoft.com/v1.0/me>
- [https://graph.microsoft.com/v1.0/me?\\$select=displayName](https://graph.microsoft.com/v1.0/me?$select=displayName)

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

**Answer:** A

#### NEW QUESTION 16

- (Exam Topic 2)

You company has a third-party invoicing web app.

You need to display the app within Microsoft Teams for one user only. The app will not require conversational interactions.

How should you display the app by using the minimum amount of effort?

- A. Instruct the user to add a website tab
- B. Instruct the user to add an App Studio app
- C. Create a SharePoint Framework (SPFx) web part
- D. Create a search-based messaging extension

**Answer:** A

**Explanation:**

There are currently three methods of app integration in Teams: Connectors, Bots, and Tabs. Tabs offer more extensive integration by allowing you to view entire third-party services within Microsoft Teams. Reference: <https://www.sherweb.com/blog/office-365/o365-microsoft-teams-apps/>

#### NEW QUESTION 21

- (Exam Topic 2)

You plan to develop a Microsoft Teams bot tghat will return product information to users by using an adaptive card.

You need to card to contain a button that will invoke a web search for the product. What should use?

- A. An action-based messaging extension
- B. A task module
- C. A search-based messaging extension
- D. An outgoing webhook

**Answer:** B

## NEW QUESTION 22

- (Exam Topic 2)

You use Azure Active Directory (Azure AD) to store user identities. The user profile information is inconsistently populated.

You need to develop a web app that will provide users with a page where they can enter their interests, skill, and description. When the user click the submit button, the app will use Microsoft graph to send the data to Azure AD.

Which HTTP method should you use against the Microsoft graph endpoint?

- A. PUT
- B. POST
- C. PATCH
- D. GET

**Answer:** A

## NEW QUESTION 26

- (Exam Topic 2)

You have an application that has the code shown in the exhibits. (Click the JavaScript Version tab or the C# Version tab.)

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

JavaScript Version

```
module.exports = function(context, myTrigger) {
    //...
    var group = {
        DisplayName: groupTitle,
        GroupTypes: ["Unified"],
        MailEnabled: true,
        SecurityEnabled: false,
        Visibility: "Private"
    };
    client.api('/groups').post(group).then((groupResult) => {
        client.api('/users/${userName}').get().then((userResult) => {
            var user = {
                "@odata.id": 'https://graph.microsoft.com/v1.0/directoryObjects/${userResult.Id}'
            };
            client.api('/groups/${groupResult.Id}/members/${ref}').post(user).then(() => {
                context.done();
            });
        });
    });
};
```

C# Version

```
namespace MyProject
{
    public static class MainActivity
    {
        [FunctionName(nameof(MainActivity))]
        public static async Task Run([ActivityTrigger] string accessToken, string userEmail, string groupTitle)
        {
            var client = new GraphServiceClient(new GraphAuthProvider(accessToken));
            var group = new Group
            {
                DisplayName = groupTitle,
                GroupTypes = new string[] { "Unified" },
                MailEnabled = true,
                SecurityEnabled = false,
                Visibility = "Private"
            };
            var createdGroup = await client.Groups.Request().AddAsync(group);
            var user = await client.Users[userEmail].Request().GetAsync();
            await client.Groups[createdGroup.Id].Members.References.Request().AddAsync(user);
        }
    }
}
```

Statements	Yes	No
The code creates a unified group in Microsoft Office 365.	<input type="radio"/>	<input type="radio"/>
The code adds a member to a group.	<input type="radio"/>	<input type="radio"/>
The code adds an owner to a group.	<input type="radio"/>	<input type="radio"/>
The code creates a team in Microsoft Teams.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Yes

Unified is specified in the code.

Note: You can create the following types of groups: Office 365 group (unified group)

Security group Box 2: Yes

A member is added to the group. Box 3: No

Box 4: No

Reference: <https://docs.microsoft.com/en-us/graph/api/group-post-groups>

**NEW QUESTION 28**

- (Exam Topic 2)

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 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 a new application named App1 that uses the Microsoft identity platform to authenticate to Azure Active Directory (Azure AD).

Currently, App1 can read user profile information. You need to allow App1 to read the user's calendar.

Solution: From the Azure portal, add the Microsoft Graph API and the Calendar.Read permission by using the API permission list of App1. Grant tenant admin consent.

Does this meet the goal?

- A. Yes  
 B. No

**Answer:** A

**Explanation:**

Microsoft Graph Calendars.Read allows the app to read events in user calendars.

For your app to access data in Microsoft Graph, the user or administrator must grant it the correct permissions via a consent process.

Application permissions are used by apps that run without a signed-in user present; for example, apps that run as background services or daemons. Application permissions can only be consented by an administrator.

References: <https://docs.microsoft.com/en-us/azure/active-directory/develop/v2-permissions-and-consent> <https://docs.microsoft.com/en-us/graph/permissions-reference>

**NEW QUESTION 31**

- (Exam Topic 2)

You are developing a human resources application that will show users where they are in their company's organization chart.

You are adding a new feature that will display the name of a user's manager inside the application.

You need to create a REST query to retrieve the information. The solution must minimize the amount of data retrieved.

Which query should you use?

- A. GET [https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/manager?\\$select=displayName](https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/manager?$select=displayName)  
 B. GET [https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/people?\\$filter=jobTitle eq 'manager'&\\$select=displayName](https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/people?$filter=jobTitle eq 'manager'&$select=displayName)  
 C. GET [https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/contacts?\\$filter=jobTitle eq 'manager'](https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/contacts?$filter=jobTitle eq 'manager')  
 D. GET <https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/manager>

**Answer:** A

**Explanation:**

Get user's manager. Returns the user or organizational contact assigned as the user's manager. Syntax:

GET /me/manager

GET /users/{id | userPrincipalName}/manager

Only the name of the user's manager should be displayed so we use ?select=displayname

To specify a different set of properties to return than the default set provided by the Graph, use the \$select query option. The \$select option allows for choosing a subset or superset of the default set returned.

References: <https://docs.microsoft.com/en-us/graph/api/user-list-manager> [https://developer.microsoft.com/en-us/graph/docs/overview/query\\_parameters](https://developer.microsoft.com/en-us/graph/docs/overview/query_parameters)



NEW QUESTION 32

- (Exam Topic 2)

You are developing an Azure function to provision a team in Microsoft Teams.

You need to create a group named Project A, add a classification of Private to the group, and then convert Project A to a team group.

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

Request 1:

▼

https://graph.microsoft.com/v1.0/groups

GET
PATCH
POST
PUT

```
{
  "description": "",
  "displayName": "Project A",
  "groupTypes": ["Unified"],
  "mailEnabled": true,
  "mailNickname": "projecta",
  "securityEnabled": "projecta",
  "securityEnabled": false
}
```

Request 2:

▼

https://graph.microsoft.com/v1.0/groups/{GroupID}

GET
PATCH
POST
PUT

```
{
  "classification": "Private"
}
```

Request 3:

▼

https://graph.microsoft.com/v1.0/groups/{GroupID}/team

GET
PATCH
POST
PUT

```
{
  "memberSettings": {
    "allowCreateUpdateChannels": true
  }
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: post

You need to create a group named Project A.

The following example creates an Office 365 group. POST https://graph.microsoft.com/v1.0/groups Content-type: application/json

Content-length: 244

```
{
  "description": "Self help community for library", "displayName": "Library Assist",
  "groupTypes": [ "Unified"
],
  "mailEnabled": true, "mailNickname": "library", "securityEnabled": false
}
```

Box 2: PATCH

Add a classification of Private to the group.

You can set the classification property in a PATCH request for the group, if do not set it in the initial POST request that creates the group.

Box 3: put

Then convert Project A to a team group. Syntax: PUT /groups/{id}/team

References: <https://docs.microsoft.com/en-us/graph/api/group-post-groups> <https://docs.microsoft.com/en-us/graph/api/resources/group>

<https://docs.microsoft.com/en-us/graph/api/team-put-teams>

NEW QUESTION 34

- (Exam Topic 2)

You are building email notifications for an expensing system.

When a user receives an email notification, the email will contain a comment field. When the user submits a comment, the data will be returned to the expensing system for processing.

What should you do to implement the notification by using the minimum amount of development effort?



- A. Create a Microsoft Office Add-in that has an action pane to display the notifications
- B. Leverage Microsoft Graph notifications
- C. Leverage the Azure SignalR Service and implement web notifications
- D. Configure the expensing system to send actionable messages

**Answer:** D

**Explanation:**

Whether you are filling out a survey, approving an expense report, or updating a CRM sales opportunity, Actionable Messages enable you to take quick actions right from within Outlook. Developers can now embed actions in their emails or notifications, elevating user engagement with their services and increasing organizational productivity.

Office 365 provides two solutions to enhance productivity with Outlook Actionable Messages: actionable messages via email, and actionable messages via Office 365 Connectors.

Reference: <https://docs.microsoft.com/en-us/outlook/actionable-messages/>

**NEW QUESTION 39**

- (Exam Topic 2)

You are developing a Microsoft Teams application for a support staff.

Within a conversation between the support staff, you want the staff to look up support ticket IDs from a list without opening the ticketing system.

Which feature should the application include?

- A. a bot
- B. a connector
- C. a messaging extension
- D. a tab

**Answer:** C

**Explanation:**

Messaging extensions allow users to interact with your web service through buttons and forms in the Microsoft Teams client. They can search, or initiate actions, in an external system from the compose message area, the command box, or directly from a message. You can then send the results of that interaction back to the Microsoft Teams client, typically in the form of a richly formatted card.

Reference:

<https://docs.microsoft.com/en-us/microsoftteams/platform/messaging-extensions/what-are-messaging-extension>

**NEW QUESTION 42**

- (Exam Topic 2)

You develop a web API named WebApi1.

When validating a token received from a client application, WebApi1 receives a `MsalUiRequiredException` exception from Azure Active Directory (Azure AD).

You need to formulate the response that WebApi1 will return to the client application. Which HTTP response should you send?

- A. HTTP 307 Temporary Redirect
- B. HTTP 400 Bad Request
- C. HTTP 403 Forbidden
- D. HTTP 412 Precondition Failed

**Answer:** D

**Explanation:**

The HyperText Transfer Protocol (HTTP) 412 Precondition Failed client error response code indicates that access to the target resource has been denied. This happens with conditional requests on methods other than GET or HEAD when the condition defined by the `If-Unmodified-Since` or `If-None-Match` headers is not fulfilled. In that case, the request, usually an upload or a modification of a resource, cannot be made and this error response is sent back.

`MsalUiRequiredException`

The "Ui Required" is proposed as a specialization of `MsalServiceException` named `MsalUiRequiredException`. This means you have attempted to use a non-interactive method of acquiring a token (e.g. `AcquireTokenSilent`), but MSAL could not do it silently. this can be because:

- you need to sign-in
- you need to consent
- you need to go through a multi-factor authentication experience.

The remediation is to call `AcquireTokenInteractive` try

```
{
app.AcquireTokenXXX(scopes, account) WithYYYY(...)
ExecuteAsync()
}
catch(MsalUiRequiredException ex)
{
app.AcquireTokenInteractive(scopes) WithAccount(account)
WithClaims(ex.Claims) ExcecuteAsync();
}
```

**NEW QUESTION 45**

- (Exam Topic 2)

You are developing a single-page application (SPA).

You plan to access user data from Microsoft Graph by using an AJAX call.

You need to obtain an access token by the Microsoft Authentication Library (MSAL). The solution must minimize authentication prompts.

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

```
var msalApp = new Msal.UserAgentApplication(msalConfig);
...
var loginRequest = {scopes: appConfig.scopes};
msalApp. [dropdown] (loginRequest).then(function(loginResponse) {
    [dropdown]
    acquireTokenPopup
    acquireToken Silent
    loginPopup
    loginRedirect
})

var tokenRequest = {scopes: appConfig.scopes};
msalApp. [dropdown] (tokenRequest).then(function(tokenResponse) {
    [dropdown]
    acquireTokenByAuthorizationCode
    acquireTokenPopup
    acquireTokenRedirect
    acquireTokenSilent
})

updateApplicationUI(tokenResponse);
}).catch(function (error) {

msalApp. [dropdown] (tokenRequest).then(function(tokenResponse) {
    [dropdown]
    acquireTokenByAuthorizationCode
    acquireTokenPopup
    acquireTokenRedirect
    acquireTokenSilent
})

updateApplicationUI(tokenResponse);
});
```

- A. Mastered  
 B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: loginPopup

Box 2: acquireTokenSilent

The pattern for acquiring tokens for APIs with MSAL.js is to first attempt a silent token request by using the acquireTokenSilent method. When this method is called, the library first checks the cache in browser storage to see if a valid token exists and returns it. When no valid token is in the cache, it sends a silent token request to Azure Active Directory (Azure AD) from a hidden iframe. This method also allows the library to renew tokens.

Box 3: acquireTokenPopup

//AcquireToken Failure, send an interactive request. Example:

```
userAgentApplication.loginPopup(applicationConfig.graphScopes).then(function (idToken) {
```

```
//Login Success
```

```
userAgentApplication.acquireTokenSilent(applicationConfig.graphScopes).then(function (accessToken) {
```

```
//AcquireToken Success updateUI();
```

```
}, function (error) {
```

```
//AcquireToken Failure, send an interactive request. userAgentApplication.acquireTokenPopup(applicationConfig.graphScopes).then(function (accessToken) {
```

```
updateUI();
```

```
}, function (error) { console.log(error);
```

```
});
```

```
})
```

```
}, function (error) { console.log(error);
```

```
});
```

Reference: <https://github.com/AzureAD/microsoft-authentication-library-for-js/issues/339>

**NEW QUESTION 50**

- (Exam Topic 2)

You are developing an application that will track changes to the UserPrincipalName attribute of Microsoft 365 accounts.

You need to use a REST request to retrieve the information by using Microsoft Graph. The solution must minimize the amount of data retrieved.

What should you do?

- A. Use GET <https://graph.microsoft.com/v1.0/users/delta> for the first cal  
 B. Use the state token in subsequent calls.  
 C. Use GET [https://graph.microsoft.com/v1.0/users/delta?\\$select=UserPrincipalName](https://graph.microsoft.com/v1.0/users/delta?$select=UserPrincipalName) for the first cal  
 D. Use the state token in subsequent calls.  
 E. Use GET [https://graph.microsoft.com/v1.0/users\\$select=UserPrincipalName](https://graph.microsoft.com/v1.0/users$select=UserPrincipalName) for the calls and track the changes.  
 F. Use GET <https://graph.microsoft.com/v1.0/users> for the calls and track the changes.

**Answer: B**

#### Explanation:

Use delta query to track changes in a resource collection

The typical call pattern is as follows: application begins by calling a GET request with the delta function on the desired resource.

> Microsoft

> The Graph sends a response containing the requested resource and a state token.

Example: Selecting three properties

The next example shows the initial request selecting three properties for change tracking, with default response behavior.

Note: Delta query enables applications to discover newly created, updated, or deleted entities without performing a full read of the target resource with every request.

Reference: <https://docs.microsoft.com/en-us/graph/api/user-delta>

#### NEW QUESTION 55

- (Exam Topic 2)

You are developing a new Microsoft Office Add-in to integrate a corporate invoicing system and Microsoft Excel.

You need to add a new button to the Office ribbon. What should you add to the add-in?

- A. a task pane
- B. a dialog
- C. a custom function
- D. a command

**Answer: D**

#### Explanation:

Add commands to a custom group

\* 1. In the Customize the Ribbon window under the Customize the Ribbon list, click the custom group that you want to add a command to.

\* 2. In the Choose commands from list, click the list you want to add commands from, for example, Popular Commands or All Commands.



\* 3. Click a command in the list that you choose.

\* 4. Click Add.

\* 5. To see and save your changes, click OK. Reference:

<https://support.office.com/en-us/article/customize-the-ribbon-in-office-00f24ca7-6021-48d3-9514-a31a460ecb3>

#### NEW QUESTION 57

- (Exam Topic 2)

You receive the following JSON document when you use Microsoft Graph to query the current signed-in user.

```
{
  "@odata.context": "https://graph.microsoft.com/v1.0/$metadata#users/$entity",
  "businessPhones": [
    "+1 555 444 222"
  ],
  "displayName": "BenSmith",
  "givenName": "Ben",
  "jobTitle": "Developer",
  "mail": "ben.smith@contoso.com",
  "mobilePhone": "+1 555 444 222",
  "officeLocation": null,
  "preferredLanguage": null,
  "surname": "Smith",
  "userPrincipalName": "ben.smith@contoso.com",
  "id": "5fa74bb7-b45b-426d-8ac7-446f090feeb5"
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.



Statements	Yes	No
If you query a URI of <code>https://graph.microsoft.com/v1.0/me/photo/\$value</code> , you will get the profile picture.	<input type="radio"/>	<input type="radio"/>
If you query a URI of <code>https://graph.microsoft.com/v1.0/users/ben.smith@contoso.com/photo/\$value</code> , you will get the profile picture.	<input type="radio"/>	<input type="radio"/>
If you query a URI of <code>https://graph.microsoft.com/v1.0/users/5fa74bb7-b45b-426d-8ac7-446f090feeb5/photo/\$value</code> , you will get the profile picture.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Yes

Syntax: GET /me/photo/\$value

Get the specified profilePhoto or its metadata (profilePhoto properties). Example: Get the photo for the signed-in user in the largest available size GET

`https://graph.microsoft.com/v1.0/me/photo/$value`

Box 2: Yes

Syntax: GET /users/{id | userPrincipalName}/photo/\$value

Get the specified profilePhoto or its metadata (profilePhoto properties). Box 3: Yes

Syntax: GET /users/{id | userPrincipalName}/photo/\$value

Get the specified profilePhoto or its metadata (profilePhoto properties). Reference: <https://docs.microsoft.com/en-us/graph/api/profilephoto-get>

**NEW QUESTION 58**

- (Exam Topic 2)

When developing a tab in Microsoft teams, personal, group, and shared tabs can all be implemented as configurable tabs.

Instructions: Review the underlined BOLD text, if it makes the statement correct, select " No change is needed if the statement is incorrect select the answer choice that makes the statement correct.

- A. No change is needed.  
 B. Share the same code  
 C. Be used in a conversation  
 D. Have a configuration panel

**Answer:** A

**NEW QUESTION 63**

- (Exam Topic 2)

This question requires that you evaluate the underlined text to determine if it is correct.

Centralized deployments for Microsoft Office Add-ins require Office Online Server.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

- A. No change is needed  
 B. Azure Active Directory (Azure AD)  
 C. Azure AD Connect  
 D. an Azure web app

**Answer:** A

**Explanation:**

Centralized deployment of add-ins requires that the users are using Office 365 ProPlus (and are signed into Office using their Organizational ID), and have Exchange Online and active Exchange Online mailboxes.

Reference: <https://docs.microsoft.com/en-us/office365/admin/manage/centralized-deployment-of-add-ins>

**NEW QUESTION 66**

- (Exam Topic 2)

You are developing a Microsoft Teams solution to host an existing webpage as a Teams tab. Which requirement must the page meet?

- A. The page must adhere to HTML 5.0 standards  
 B. The page must adhere to WCAG 2.0 accessibility guidelines  
 C. The page must be hosted on a domain that is on the validDomains list of the manifest  
 D. The page must use CSS3 stylesheets

**Answer:** C

**Explanation:**



Make sure that all domains used in your tab pages are listed in the manifest.json validDomains array. Reference: <https://docs.microsoft.com/en-us/microsoftteams/platform/tabs/how-to/create-tab-pages/configuration-page>

### NEW QUESTION 67

- (Exam Topic 2)

You are developing a Microsoft Team application. To host a webpage in a Teams tab, the manifest file must include the contentUrl property within the staticTabs property.

Instructions: Review the underline text. If the makes the statement correct, select " No change is needed. " If the statement is incorrect, select the answer choice that makes the statement correct.

- A. No change is needed.
- B. websiteUrl property within the configuragbleTabs property
- C. ValidDomain property within the configuragbleTabs property
- D. ValidDomain property within the statictabs property

Answer: B

### NEW QUESTION 70

- (Exam Topic 2)

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct select is worth one point.

Statements	Yes	No
A Microsoft Office Web Add-in can be scaffolded by using a Yeoman generator.	<input type="radio"/>	<input type="radio"/>
Microsoft Office Web Add-ins can be developed by using C#.	<input type="radio"/>	<input type="radio"/>
The code for a Microsoft Office Web Add-in has access to the local file system of a device.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
A Microsoft Office Web Add-in can be scaffolded by using a Yeoman generator.	<input checked="" type="radio"/>	<input type="radio"/>
Microsoft Office Web Add-ins can be developed by using C#.	<input checked="" type="radio"/>	<input type="radio"/>
The code for a Microsoft Office Web Add-in has access to the local file system of a device.	<input checked="" type="radio"/>	<input type="radio"/>

### NEW QUESTION 74

- (Exam Topic 2)

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 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 a new application named App1 that uses the Microsoft identity platform to authenticate to Azure Active Directory (Azure AD).

Currently, App1 can read user profile information. You need to allow App1 to read the user's calendar.

Solution: Add <https://graph.windows.net/user.read> to the list of scopes during the initial login request. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Microsoft Graph Calendars.Read allows the app to read events in user calendars.

For your app to access data in Microsoft Graph, the user or administrator must grant it the correct permissions via a consent process.

Application permissions are used by apps that run without a signed-in user present; for example, apps that run as background services or daemons. Application permissions can only be consented by an administrator.

References: <https://docs.microsoft.com/en-us/azure/active-directory/develop/v2-permissions-and-consent> <https://docs.microsoft.com/en-us/graph/permissions-reference>

### NEW QUESTION 79

- (Exam Topic 2)

You plan to integrate a web-based support ticketing system and Microsoft Teams.

You need to recommend a solution that will prompt users for specific information before a ticket is created. The solution must minimize development effort. What should you include in the recommendation?

- A. outgoing webhooks
- B. incoming webhooks
- C. a notification-only bot
- D. a conversational bot

**Answer:** A

**Explanation:**

Webhooks are a great way for Teams to integrate with external apps. A webhook is essentially a POST request sent to a callback URL. In Teams, outgoing webhooks provide a simple way to allow users to send messages to your web service without having to go through the full process of creating bots via the Microsoft Bot Framework. Outgoing webhooks post data from Teams to any chosen service capable of accepting a JSON payload. Once an outgoing webhook is added to a team, it acts like bot, listening in channels for messages using @mention, sending notifications to external web services, and responding with rich messages that can include cards and images.

Reference:

<https://docs.microsoft.com/en-us/microsoftteams/platform/webhooks-and-connectors/how-to/add-outgoing-web>

**NEW QUESTION 80**

- (Exam Topic 2)

You have a single-page application (SPA) named TodoListSPA and a server-based web app named TodoListService.

The permissions for the TodoList SPA API are configured as shown in the TodoList SPA exhibit. (Click the TodoListSPA tab.)

API/PERMISSIONS NAME	TYPE	DESCRIPTION	ADMIN CONSENT REQUIRED
▼ TodoListService-OBO-sample-v2 (1)			
user_impersonation	Delegated	Access TodoListService-OBO-sample-v2	

The permissions for the TodoListService API are configured as shown in the TodoListService exhibit. (Click the TodoListService tab.)

API/PERMISSIONS NAME	TYPE	DESCRIPTION
▼ Microsoft Graph (1)		
UserRead	Delegated	Sign in and read user profile

You need to ensure that TodoListService can access a Microsoft OneDrive file of the signed-in user. The solution must use the principle of least privilege. Which permission should to grant?

- A. the Sites.Read.All delegated permission for TodoListService
- B. the Sites.Read.All delegated permission for TodoListSpa
- C. the Sites.Read.All application permission for TodoListSPA
- D. the Sites.Read.All application permission for TodoListService

**Answer:** A

**Explanation:**

A client application gains access to a resource server by declaring permission requests. Two types are available:

"Delegated" permissions, which specify scope-based access using delegated authorization from the signed-in resource owner, are presented to the resource at run-time as "scp" claims in the client's access token.

"Application" permissions, which specify role-based access using the client application's credentials/identity, are presented to the resource at run-time as "roles" claims in the client's access token.

Reference: <https://docs.microsoft.com/en-us/azure/active-directory/develop/developer-glossary#permissions>

**NEW QUESTION 83**

- (Exam Topic 2)

You are developing a web app that will display emails from the Microsoft 365 mailbox of the current signed-in user.

For performance reasons, you do not want all the emails to be loaded simultaneously, rather page-by-page as the user navigates the app.

You plan to display 30 emails per page. The most recent emails must be displayed first.

How should you complete the query parameters for the REST request to display the third page of emails? To answer, drag the appropriate query parameters to the correct targets. Each query parameter 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.

Actions	Answer Area
<div>filter</div> <div>search</div> <div>select</div> <div>skip</div> <div>top</div>	GET <a href="https://graph.microsoft.com/v1.0/me/messages?\$">https://graph.microsoft.com/v1.0/me/messages?\$</a> <div>Parameter</div> =60&\$ <div>Parameter</div> =30&\$orderby=sentDateTime desc

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: top

Number of items to return in a result Box 2: skip

\$skip Indexes into a result set. Also used by some APIs to implement paging and can be used together with \$top to manually page results.

Reference: [https://developer.microsoft.com/en-us/graph/docs/overview/query\\_parameters](https://developer.microsoft.com/en-us/graph/docs/overview/query_parameters)

**NEW QUESTION 86**

- (Exam Topic 2)

You are evaluating the SharePoint Framework (SPFx) ListView Command Set extension. For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
The ListView Command Set extension is a client-side component that runs inside the context of a Microsoft SharePoint page.	<input type="radio"/>	<input type="radio"/>
You can create custom toolbar buttons in lists and libraries by using the ListView Command Set extension.	<input type="radio"/>	<input type="radio"/>
You can create context menu items in lists and libraries by using the ListView Command Set extension.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Yes

Extensions are client-side components that run inside the context of a SharePoint page. Box 2: Yes  
ClientSideExtension.ListViewCommandSet.CommandBar: The top command set menu in a list or library.

Box 3: Yes

ClientSideExtension.ListViewCommandSet.ContextMenu: The context menu of the item(s). Reference:  
<https://docs.microsoft.com/en-us/sharepoint/dev/spfx/extensions/get-started/building-simple-cmdset-with-dialog>

**NEW QUESTION 90**

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