



Microsoft

Exam 70-490

Recertification for MCSD: Windows Store Apps using HTML5

Version: 7.0

[Total Questions: 88]

Topic break down

Topic	No. of Questions
Topic 1: Scenario 1	4
Topic 2: Scenario 2	4
Topic 3: Scenario 3	8
Topic 4: Scenario 4	6
Topic 5: Scenario 5	4
Topic 6: Scenario 6	4
Topic 7: Mix Questions	58

Topic 1, Scenario 1

Application Information

You are developing two Windows Store apps by using JavaScript: a Personal Trainer app and a Client app. The apps will allow personal fitness trainers to interact with their remote clients.

Business Requirements - Personal Trainer Application

The Personal Trainer app must allow trainers to perform the following tasks:

- ✍ Create and store video and audio recordings of workout routines.
- ✍ View the profile and workout recordings for only one client at any time.

Business Requirements - Client Application

The Client app must allow clients to perform the following tasks:

- ✍ Browse a list of the trainer's workout recordings.
- ✍ Record workouts by using the built-in webcam.
- ✍ Play, pause, restart, and stop workout recordings.
- ✍ If the capability is supported, allow the client's webcam to pan as the client moves around the room.
- ✍ Upload workout recordings for trainer review.
- ✍ Update their individual profiles to indicate workouts completed, calories burned, and current weight.

The Client app must validate that the client's subscription is valid.

Technical Requirements - General

The Personal Trainer and Client apps must meet the following technical requirements:

- ✍ Connect to the Internet.
- ✍ Store workout recordings in the cloud.
- ✍ Enable retrieval of workout recordings by using a custom URL.
- ✍ Encapsulate the video player in a custom control.
- ✍ Identify the maximum zoom of the user's webcam in millimeters.
- ✍ Store client profiles in XML files in the trainers' Documents folders to allow for disconnected editing.
- ✍ Synchronize the XML files with cloud storage by using a background task when the Internet is available.
- ✍ Send trainer workout videos to cloud storage by using a background task when the trainer's device is idle. Indicate the status of the upload operation each time the trainer starts the app. Suspend the background task when the Internet is not available.
- ✍ Separate business and complex logic into WinMD components. The solution debugging settings must include the WinMD components.

Technical Requirements - Hardware Requirements

The Personal Trainer and Client apps must support the following hardware requirements:

- ✍ Windows 8
- ✍ Webcam, microphone, and speakers
- ✍ Internet connection

While testing the apps, you identify the following issues:

- ✍ When you start the app for the first time, the system displays this warning message: "This app needs permission to use your camera, which you can change in the app's settings."
- ✍ When you run the loadClientProfile() method in the clientData.js file, you receive an 'Access Denied' exception.
- ✍ The findCamera() method in the video.js file throws an exception on some devices.
- ✍ The recordVideo() method in the video.js file throws an exception when the device does not support tilting.

```
CD01 function loadClientProfile() {
CD02   var fop = new Windows.Storage.Pickers.FileOpenPicker();
CD03   fop.viewMode = Windows.Storage.Pickers.PickerViewMode.thumbnail;
CD04
CD05   fop.fileTypeFilter.replaceAll([".xml"]);
CD06
CD07   (function (file) {
CD08     if (file) {
CD09       display(file);
CD10     }
CD11     else {
CD12       processError(file);
CD13     }
CD14   });
CD15 }
CD16
CD17 function saveClientProfile() {
CD18   var sp = new Windows.Storage.Pickers.FileSavePicker();
CD19   sp.defaultFileExtension = ".xml";
CD20   sp.suggestedFileName = "New Client";
CD21
CD22
CD23   sp.pickSaveFileAsync().then(
CD24     function (file) {
CD25       if (file) {
CD26         displaySaved(file);
CD27       }
CD28       else {
CD29         processError(file);
CD30       }
CD31     });
CD32 }
```

video.js

```
VD01 function recordVideo() {
VD02   var device = new Windows.Media.Capture.MediaCapture();
VD03   var videoDev = device.videoDeviceController;
VD04   var canTilt = videoDev.tilt.capabilities.supported;
VD05
VD06
VD07   ...
VD08 }
VD09
VD10 var cameraID;
VD11
VD12 function findCamera() {
VD13   var deviceInfo = Windows.Devices.Enumeration.DeviceInformation;
VD14   deviceInfo.findAllAsync(Windows.Devices.Enumeration.DeviceClass.videoCapture).then
VD15   (function (devices) {
VD16     cameraID = devices[0].id;
VD17   }, errorHandler);
VD18 }
```

background.js

```
BG01 function registerBackgroundTask(condition) {
BG02   var builder = new Windows.ApplicationModel.Background.BackgroundTaskBuilder();
BG03   builder.name = "videoLoader";
BG04   builder.taskEntryPoint = "background.js";
BG05   builder.setTrigger(
BG06     Windows.ApplicationModel.Background.SystemTrigger(
BG07
BG08     ));
BG09
BG10   ...
BG11 }
BG12
BG13 function unregisterBackgroundTask() {
BG14
BG15   var i = tasks.hasCurrent;
BG16   while (i) {
BG17     var task = tasks.current.value;
BG18     if (task.name === "videoLoader") {
BG19       task.unregister(true);
BG20     }
BG21     i = tasks.moveNext();
BG22   }
BG23 }
```

Question No : 1 - (Topic 1)

You need to debug the error that is displayed in the warning message.

What should you do?

A. Insert the following code segment at line VD18:

```
var result = new Windows.Media.Capture.CameraCaptureUI();  
result.videoSettings.setCameraEnabled();
```

B. In the appsettings.appxmanifest file, add **Camera Settings** to the available declarations.

C. Insert the following code segment at line VD18:

```
var result = new Windows.Media.Capture.CameraCaptureUI();  
result.photoSettings.setCameraEnabled();
```

D. In the package.appxmanifest file, set the **Webcam** property in the **Capabilities** list.

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

Answer: D

Question No : 2 - (Topic 1)

You need to retrieve the background task collection for the iteration loop.

Which code segment should you insert at line BG14?

- A. `var tasks = Windows.ApplicationModel.Background.BackgroundTaskRegistration.first();`
- B. `var tasks = Windows.ApplicationModel.Background.BackgroundTaskRegistration.allTasks.first();`
- C. `var tasks = Windows.ApplicationModel.Background.BackgroundTaskBuilder.allTasks.first();`
- D. `var tasks = Windows.ApplicationModel.Background.BackgroundTaskRegistration.allTasks();`

Answer: B

Question No : 3 - (Topic 1)

You need to set the default storage location for the client profiles. Which code segment should you insert at line CD04?

- A. fop.suggestedStartLocation = Windows.Storage.Pickers.PickerLocationId.documents Library;
- B. fop.defaultFolder = Windows.Storage.Piekers.PickerLocationId.documents Library;
- C. fop.suggestedStartLocation = Windows.Storage.Pickers.PickerLocationId.videosLibrary;
- D. fop.suggestedStartLocation = "%AppData%";

Answer: B

Question No : 4 - (Topic 1)

You need to complete the code to start the background task.

Which code segment should you insert at line BG07?

- A. Windows.ApplicationModel.Background.SystemTriggerType.servicingComplete.true
- B. Windows.ApplicationModel.Background.SystemTriggerType.userPresent.true
- C. Windows.ApplicationModel.Background.SystemTriggerType.internetAvailable.false
- D. Windows.ApplicationModel.Background.SystemTriggerType.userAway.false

Answer: C

Topic 2, Scenario 2

Background

You are developing an app for an automotive manufacturer. The app will display information about the vehicle, the vehicle owner's manual, and the maintenance schedule. The app will be available to install from the Windows Store.

Business Requirements

The app must meet the following business requirements:

- ✍ Display the company logo on the Main screen, Owner's Manual screen, and Service Record screen of the app.
- ✍ Allow users to store their vehicle information to identify the correct information to display within the app.
- ✍ Prominently display a stock image of the user's vehicle on the Main screen at the full height of the app.
- ✍ Send notifications by using tile updates when a scheduled maintenance is approaching or past due.
- ✍ Insert service data in the appropriate locations, and update the Service Record screen with data received from a cloud service.
- ✍ Display related media within the app.

Technical Requirements

The app must meet the following technical requirements.

User Experience

- ✍ The app user interface must follow Microsoft design guidelines.
- ✍ The user must be able to insert or update service records.
- ✍ The user must be able to filter service records by date or service type.
- ✍ The user must be able to navigate between various Darts of the app including but not limited to the Mainscreen, Service Record screen, and Owner's Manual screen.
- ✍ The user cannot switch between categories by using the Back button.
- ✍ The data from the cloud service must automatically populate the Service Record screen.
- ✍ The Main screen must have a dark background. All other screens must have a light background with contrasting colored text.
- ✍ All multimedia must provide a full-screen mode that can be activated by the end user.
- ✍ All media items must start when the user interacts with them and stop immediately when a video ends.
- ✍ The app must accept and display tile messages and notification messages from the cloud service.
- ✍ The navigational icons must not be displayed if the content of the screen does not require such display.
- ✍ Any page of the owner's manual must be able to be pinned to the Windows Start screen.
- ✍ When the app is pinned to the Windows Start screen all live tile sizes must be available to the users.
- ✍ When a specific app page is pinned to the Windows Start screen, the page tile cannot be wider or taller than the dimensions of a wide tile.
- ✍ Short names and display names must not be displayed on square tiles.

Development

- ✍ The app must use Microsoft Visual Studio preconfigured templates with built-in data structures.
- ✍ External notifications must be delivered by using Windows Push Notification Services (WNS).
- ✍ The app must be able to receive push notifications from a Microsoft Azure Mobile Services endpoint.
- ✍ Each HTML file must be supported by similarly named JavaScript and CSS files (for example, myFile.html, myFile.js myFile.css).

File: main.html

Relevant portions of the app files are shown below. Line numbers in the code segments are included for reference only and include a two-character prefix that denotes the specific file to which they belong.


```

MH01 <!DOCTYPE html>
MH02 <html>
MH03 <head>
MH04 ...
MH05 <div class="section3" data-win-control="WinJS.UI.HubSection" data-win-options="{ isHeaderStatic:
true }"
MH06   data-win-res="{ winControl: {'header': 'Section3'} }">
MH07   <div class="top-image-row">
MH08     <video id="playMedia" style="position: relative;" poster="/images/blank1.jpg"></video>
MH09   </div>
MH10   <div class="sub-image-row">
MH11     
MH12     
MH13     
MH14   </div>
MH15   <div class="win-type-medium" data-win-res="{ textContent: 'DescriptionText' }"></div>
MH16   <div class="win-type-small">
MH17     <span data-win-res="{ textContent: 'Section3Description' }"></span>
MH18   </div>
MH19 </div>
MH20 ...
MH21 </html>

```

File: main.js

Relevant portions of the app files are shown below. Line numbers in the code segments are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

```

MJ01 (function () {
MJ02   "use strict";
MJ03   ...
MJ04   });
MJ05 })();
MJ06 function playMedia(e) {
MJ07   return function () {
MJ08     var vid = WinJS.Utilities.query("#playMedia")[0];
MJ09     switch(e)
MJ10     {
MJ11       case 1:
MJ12         src = "media/movie1.mp4";
MJ13         break;
MJ14       case 2:
MJ15         src = "media/movie2.mp4";
MJ16         break;
MJ17       default:
MJ18         src = "media/movie3.mp4";
MJ19     }
MJ20     vid.src = src;
MJ21     vid.play();
MJ22   };
MJ23 }

```

File: manual.html

Relevant portions of the app files are shown below. Line numbers in the code segments are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

```
OH01 <!DOCTYPE html>
OH02 <html>
OH03 <head>
OH04   <meta charset="utf-8" />
OH05   <title>manual</title>
OH06   <link href="//Microsoft.WinJS.2.0/css/ui-dark.css" rel="stylesheet" />
OH07   <script src="//Microsoft.WinJS.2.0/js/base.js"></script>
OH08   <script src="//Microsoft.WinJS.2.0/js/ui.js"></script>
OH09   <link href="manual.css" rel="stylesheet" />
OH10   <script src="manual.js"></script>
OH11 </head>
OH12 <body>
OH13   <div class="manual fragment">
OH14     <header aria-label="Header content" role="banner">
OH15       <button data-win-control="WinJS.UI.BackButton"></button>
OH16       <h1 class="titlearea win-type-ellipsis">
OH17         <span class="pagetitle">Owner's Manual</span>
OH18       </h1>
OH19     </header>
OH20     <section aria-label="Main content" role="main">
OH21       <p>Owner's Manual Content</p>
OH22     </section>
OH23     <div id="appBar" data-win-control="WinJS.UI.AppBar" data-win-options="">
OH24       <button data-win-control="WinJS.UI.AppBarCommand"
OH25         data-win-options="{id:'cmdPin',label:'Pin To Start',icon:'pin',
OH26         section:'global',tooltip:''}"></button>
OH27     </div>
OH28 </body>
OH29 </html>
```

File: manual.js

Relevant portions of the app files are shown below. Line numbers in the code segments are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

```

0J01 (function () {
0J02   "use strict";
0J03   WinJS.UI.Pages.define("/pages/manual/manual.html", {
0J04     ready: function (element, options) {
0J05       document.getElementById("cmdPin").addEventListener("click", pinSecondaryTile, false);
0J06       var navState = {
0J07         backStack: WinJS.Navigation.history.backStack.slice(0),
0J08         forwardStack: WinJS.Navigation.history.forwardStack.slice(0),
0J09         current: WinJS.Navigation.history.current
0J10       };
0J11       WinJS.Navigation.history = navState;
0J12     },
0J13     unload: function () {
0J14     },
0J15     updateLayout: function (element) {
0J16     }
0J17   });
0J18 });

0J19 function pinSecondaryTile() {
0J20   var SecondaryTileId = "SecondaryTile.Logo";
0J21   var square70x70Logo =
0J22     new Windows.Foundation.Uri("ms-appx:///Images/square70x70Tile-sdk.png");
0J23   var square150x150Logo =
0J24     new Windows.Foundation.Uri("ms-appx:///Images/square150x150Tile-sdk.png");
0J25   var wide310x150Logo =
0J26     new Windows.Foundation.Uri("ms-appx:///Images/wide310x150Tile-sdk.png");
0J27   var square30x30Logo =
0J28     new Windows.Foundation.Uri("ms-appx:///Images/square30x30Tile-sdk.png");
0J29   var var1 = new Date();
0J30   var newTileActivationArguments = SecondaryTileId + " WasPinnedAt=" + var1;
0J31   var tile = new Windows.UI.StartScreen.SecondaryTile(SecondaryTileId, "Owner's Manual",
0J32     newTileActivationArguments,
0J33     square150x150Logo,
0J34     Windows.UI.StartScreen.TileSize.Square150x150);
0J35   tile.visualElements.wide310x150Logo = wide310x150Logo;
0J36   tile.visualElements.square30x30Logo = square30x30Logo;
0J37   tile.visualElements.foregroundText = Windows.UI.StartScreen.ForegroundText.dark;
0J38   tile.requestCreateForSelectionAsync({ x: 0, y: 0, width: 640, height: 400 },
0J39     Windows.UI.Popups.Placement.below);
0J40 }
0J41 }());

```

File: service.html

Relevant portions of the app files are shown below. Line numbers in the code segments are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

```

SH01 <!DOCTYPE html>
SH02 <html>
SH03 <head>
SH04   ...
SH05 </head>
SH06 <body>
SH07
SH08 </body>
SH09 </html>

```

File: service.js

Relevant portions of the app files are shown below. Line numbers in the code segments are included for reference only and include a two-character prefix that denotes the specific

file to which they belong.

```

SJ01 (function () {
SJ02     "use strict";
SJ03     WinJS.UI.Pages.define("/pages/service/service.html", {
SJ04         ready: function (element, options) {
SJ05             var buttonSave = document.getElementById("btnAddServiceRecord");
SJ06             var client = new WindowsAzure.MobileServiceClient(
SJ07                 "https://cardataservice17.azure-mobile.net/", "myPrivateKey"
SJ08             );
SJ09             ...
SJ10         });
SJ11         function updateTile() {
SJ12             var Notification = Notification;
SJ13             var square310x310Xml = Notification.TileUpdateManager.getTemplateContent
                (Notification.TileTemplateType.tileSquare310x310Text05);
SJ14             square310x310Xml.getElementsByTagName("text")[0].setAttribute("id", "1");
SJ15             square310x310Xml.getElementsByTagName("text")[0].appendChild
                (square310x310Xml.createTextNode("My Alert"));
SJ16             var wide310x150Xml = Notification.TileUpdateManager.getTemplateContent
                (Notification.TileTemplateType.tileWide310x150Text03);
SJ17             var tileTextAttributes = wide310x150Xml.getElementsByTagName("text");
SJ18             tileTextAttributes[0].appendChild(wide310x150Xml.createTextNode("My Alert"));
SJ19             var square150x150Xml = Notification.TileUpdateManager.getTemplateContent
                (Notification.TileTemplateType.tileSquare150x150Text04);
SJ20             var squareTileTextAttributes = square150x150Xml.getElementsByTagName("text");
SJ21             squareTileTextAttributes[0].appendChild(square150x150Xml.createTextNode("My Alert"));
SJ22             var node =
                square310x310Xml.importNode(square150x150Xml.getElementsByTagName("binding")
                .item(0), true);
SJ23             square310x310Xml.getElementsByTagName("visual").item(0).appendChild(node);
SJ24             node =
                square310x310Xml.importNode(wide310x150Xml.getElementsByTagName("binding")
                .item(0), true);
SJ25             square310x310Xml.getElementsByTagName("visual").item(0).appendChild(node);
SJ26             var appNotification = new Notification.TileNotification(square310x310Xml);
SJ27
SJ28         }
SJ29     })();

```

Question No : 5 - (Topic 2)

You need to modify the app so that the user can play videos by tapping the screen.

What should you do?

- A. Replace line MH08 with the following markup segment:
`<video id="playMedia" style="position: relative;" control poster="/images/blank1.jpg"></video>`
- B. Replace line MH08 with the following markup segment:
`<video id="playMedia" style="position: relative;" loop poster="/images/blank1.jpg"></video>`
- C. Insert the following code segment at line MJ20:
`vid.scr.attrib = vid.fullScreen();`
- D. Replace line MJ21 with the following code segment:
`vid.play.focus.fullScreen();`

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

Answer: A

Explanation: poster property (Windows)
controls property (Windows)

Question No : 6 - (Topic 2)

You need to implement the navigation between screen categories.

What should you do?

- A. Place one button for each category on every screen and use the WinJS.navigate command to go to the category screens.
- B. Implement category navigation controls on the nav bar on every screen.
- C. Implement category navigation controls on the app bar on every screen.
- D. Place one link for each category on every screen and use an <href> tag to go to the category screens.






Answer: B

Question No : 7 HOTSPOT - (Topic 2)

You need to begin the project development.






Which project template should you choose? To answer, select the appropriate project template type in the answer area.

Answer Area

	Blank App	JavaScript
	Grid App	JavaScript
	Split App	JavaScript
	Hub App	JavaScript
	Navigation App	JavaScript




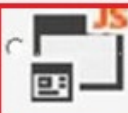

Answer:

Answer Area

	Blank App	JavaScript
	Grid App	JavaScript
	Split App	JavaScript
	Hub App	JavaScript
	Navigation App	JavaScript

Explanation:

Answer Area

	Blank App	JavaScript
	Grid App	JavaScript
	Split App	JavaScript
	Hub App	JavaScript
	Navigation App	JavaScript

JavaScript project templates for Store apps (Windows)

Question No : 8 DRAG DROP - (Topic 2)

You need to configure the app to receive push notifications.

Which four 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
Establish the channel between the PushNotificationChannelManager and the WNS Service.	
Register the app name in the Windows Dev Center.	
On the Capabilities tab of the app manifest, select the Private Networks (Client & Server) check box.	
On the Capabilities tab of the app manifest, select the Enterprise Authentication check box.	
Authenticate the Microsoft Azure Mobile Services with the client secret and Package security identifier (SID) provided by Windows Push Notification Service (WNS).	
Associate the app with the Windows Store.	

Answer:

Actions	Answer Area
Establish the channel between the PushNotificationChannelManager and the WNS Service.	Register the app name in the Windows Dev Center.
Register the app name in the Windows Dev Center.	On the Capabilities tab of the app manifest, select the Enterprise Authentication check box.
On the Capabilities tab of the app manifest, select the Private Networks (Client & Server) check box.	Authenticate the Microsoft Azure Mobile Services with the client secret and Package security identifier (SID) provided by Windows Push Notification Service (WNS).
On the Capabilities tab of the app manifest, select the Enterprise Authentication check box.	On the Capabilities tab of the app manifest, select the Private Networks (Client & Server) check box.
Authenticate the Microsoft Azure Mobile Services with the client secret and Package security identifier (SID) provided by Windows Push Notification Service (WNS).	
Associate the app with the Windows Store.	

Explanation:

Actions	Answer Area
Establish the channel between the PushNotificationChannelManager and the WNS Service.	Register the app name in the Windows Dev Center.
	On the Capabilities tab of the app manifest, select the Enterprise Authentication check box.
	Authenticate the Microsoft Azure Mobile Services with the client secret and Package security identifier (SID) provided by Windows Push Notification Service (WNS).
Associate the app with the Windows Store.	On the Capabilities tab of the app manifest, select the Private Networks (Client & Server) check box.

C:\Documents and Settings\David\Desktop\1.jpg

Topic 3, Scenario 3

Background

A. Datum Corporation manufactures electronic measuring equipment that is sold worldwide. The equipment requires periodic inspection and calibration by a team of inspectors. The equipment supports near field communication (NFC).

Inspectors currently receive daily email messages that list the locations they must visit that day and the equipment they must inspect calibrate, or update. To request schedule changes, inspectors must call, fax, or email a support center.

A. Datum plans to develop a Windows Store app that connects to a scheduling application hosted in Microsoft Azure. The app will allow inspectors to view client information, equipment information, and other documentation. Inspectors will use the app to report inspection results back to the company's Microsoft Azure application.

Business Requirements

Inspectors must be able to use the app to perform the following equipment-related tasks:

- ✍ Gather information about each piece of equipment during inspections.
- ✍ Update equipment software and firmware during inspections,

- ✍ Identify missing and outdated equipment.
- ✍ Submit orders for replacement equipment to the customer support team.

The app must support the following scheduling requirements:

- ✍ When an inspector signs in to the app, daily schedule and task information must automatically download to the inspector's Windows device. The information must include client locations, equipment inventory at each location, and equipment settings. The files contain sensitive and proprietary information.
- ✍ Inspectors must be able to request a list of other clients within a Specified search distance who might require relocation, and equipment settings. The files contain sensitive and proprietary information.
- ✍ Inspectors must be able to request a list of other clients within a specified search distance who might require equipment inspection.
- ✍ Inspectors must be able to refuse a task and remove it from their schedule.

Technical Requirements

File Download, Storage, and Security

- ✍ When an inspector connects the app to a piece of equipment, the current equipment software, firmware, drivers, and updates must be copied to the inspector's Microsoft OneDrive folder.
- ✍ Inspectors must be able to search for equipment software and firmware updates stored in their OneDrive folders.
- ✍ Downloaded files must be enrolled in selective wipe and made unavailable eight hours after download.
- ✍ The app must use background tasks to download files to the users' devices.
- ✍ All content files downloaded for the inspectors use must be available for searching in the app.
- ✍ All data transferred by the app between the Windows devices and the Microsoft Azure application must be secured and encrypted.

Equipment Interface and Connections

- ✍ While the app is connected to a piece of equipment, inspectors must be able to simultaneously display the app and the content of their OneDrive folders.
- ✍ The user interface must include a slide control that allows the inspector to specify a search range for nearby clients.
- ✍ Inspectors must connect the app to any piece of equipment by using a tap connection.

File-Geofencing.js

Relevant portions of the app files are shown below. Line numbers in the code segments are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

```
GF01 public async void OnGeofenceStateChanged(GeofenceMonitor sender, object e)
GF02 {
GF03     var reports = sender.ReadReports();
GF04     await Dispatcher.RunAsync(CoreDispatcherPriority.Normal, () =>
GF05     {
GF06         foreach (GeofenceStateChangeReport report in reports)
GF07         {
GF08             GeofenceState state = report.NewState;
GF09             Geofence geofence = report.Geofence;
GF10             if (state == GeofenceState.Removed)
GF11             {
GF12                 GeofenceMonitor.Current.Geofences.Remove(geofence);
GF13             }
GF14             else if (state == GeofenceState.Entered)
GF15             {
GF16             }
GF17             else if (state == GeofenceState.Exited)
GF18             {
GF19             }
GF20         }
GF21     });
GF22 }
```

File- ProtectFile.js

Relevant portions of the app files are shown below. Line numbers in the code segments are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

```

PF01 var appRootFolder = Windows.Storage.ApplicationData.current;
PF02 var enterpriseIdentity = "ADatum.com";
PF03
PF04 function addNewFolderButtonClick() {
PF05     var folderName = document.getElementById("folderName");
PF06     appRootFolder.createFolderAsync(folderName).then(
PF07         function (folder) {
PF08             var status = addItemProtected(folder, enterpriseIdentity);
PF09         });
PF10 }

PF11 function addItemProtected(item, enterpriseId) {
PF12
PF13     (itemPath, enterpriseId).then(
PF14         function (itemProtectionStatus) {
PF15             return itemProtectionStatus;
PF16         });
PF17 }

PF18 function readFile(file) {
PF19 try {
PF20     file.openReadAsync().then(
PF21         function (fileStream) {
PF22             return fileStream;
PF23         });
PF24 }
PF25 catch (e) {
PF26 }
PF27 if (e.message == "Access Denied") {
PF28     Windows.Security.EnterpriseData.FileRevocationManager.
PF29         getStatusAsync(file).then(
PF30         function (itemProtectionStatus) {
PF31             if (itemProtectionStatus ==
PF32                 Windows.Security.EnterpriseData.FileProtectionStatus.revoked)
PF33             {
PF34                 item.deleteAsync().then(function () { return null; });
PF35             }
PF36         });
PF37 }

```

File- BackgroundTask.js

Relevant portions of the app files are shown below. Line numbers in the code segments are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

```

BT01 (function () {
BT02   "use strict";
BT03   var page = WinJS.UI.Pages.define("/html/backgroundtask.html", {
BT04     ready: function (element, options) {
BT05       document.getElementById("registerBackgroundTaskButton").
BT06         addEventListener("click", registerBackgroundTask, false);
BT07       document.getElementById("unregisterBackgroundTaskButton").
BT08         addEventListener("click", unregisterBackgroundTask, false);
BT09       BackgroundTask.updateUI();
BT10     }
BT11   });
BT12   function registerBackgroundTask() {
BT13     BackgroundTask.registerBackgroundTask
BT14       (BackgroundTask.BackgroundTaskEntryPoint,
BT15       BackgroundTask.BackgroundTaskName,
BT16       new Windows.ApplicationModel.Background.SystemTrigger
BT17       (Windows.ApplicationModel.Background.
BT18       SystemTriggerType.timeZoneChange, false), null);
BT19     BackgroundTask.updateUI();
BT20   }
BT21   function unregisterBackgroundTask() {
BT22     BackgroundTask.updateUI();
BT23   }
BT24 }
BT25 }}());
BT26
BT27 var BackgroundTask = {
BT28   "updateUI": function () {
BT29     try {
BT30       var registerButton =
BT31         document.getElementById("registerBackgroundTaskButton");
BT32       var unregisterButton =
BT33         document.getElementById("unregisterBackgroundTaskButton");
BT34       var taskProgress =
BT35         document.getElementById("BackgroundTaskProgress");
BT36       var taskStatus = document.getElementById("BackgroundTaskStatus");
BT37
BT38       registerButton && (registerButton.disabled =
BT39         BackgroundTask.BackgroundTaskRegistered);
BT40       unregisterButton && (unregisterButton.disabled =
BT41         !BackgroundTask.BackgroundTaskRegistered);
BT42       taskProgress && (taskProgress.innerText =
BT43         BackgroundTask.BackgroundTaskProgress);
BT44       taskStatus && (taskStatus.innerText =
BT45         BackgroundTask.getBackgroundTaskStatus
BT46         (BackgroundTask.BackgroundTaskName));
BT47     } catch (ex) {
BT48     }
BT49   }
BT50 };

```

Question No : 9 - (Topic 3)

You need to implement the file storage solution for equipment drivers and updates.

What should you do?

A. Map a KnownFolder as the local default file storage location.

- B. Map the inspector's OneDrive folder as the default file storage location.
- C. Use the Live Connect REST API to map a default file storage location.
- D. Map the inspector's Documents folder as the default file storage location.

Answer: B

Question No : 10 - (Topic 3)

You need to ensure that drivers can be updated. What should you do?

- A. Connect to the Documents library.
- B. Implement the FileOpenPicker control.
- C. Implement the OpenFileDialog class.
- D. Implement the FileSavePicker control.

Answer: B

Question No : 11 - (Topic 3)

You need to implement the secondary schedule functionality for inspectors.

Which two actions should you perform? Each correct answer presents part of the solution.

- A. Browse through the client database to find all clients with the same postal code.
- B. Define a geofence by using the location capabilities of the device.
- C. Specify the maximum distance of nearby equipment.
- D. Ascertain the proximity of the nearest piece of client-owned equipment.

Answer: B,C

Explanation: * From scenario, the secondary scheduling requirement is:

Inspectors must be able to request a list of other clients within a specified search distance who might require equipment inspection.

* Geofence / A geo-fence is a virtual perimeter for a real-world geographic areas. A geofence could be dynamically generated—as in a radius around a store or point location.

/ Geofence class Contains the information to define a geofence, an area of interest, to monitor.

Question No : 12 - (Topic 3)

You need to enable the loading of the daily schedule when the inspector launches the application.

Which class should you use?

- A. BackgroundExecutionManager
- B. BackgroundTaskRegistration
- C. SystemCondition
- D. BackgroundWorkCost

Answer: A

Question No : 13 - (Topic 3)

You need to ensure that inspectors can manage tasks that are assigned to them. Which code segment should you insert at line BT22?

- A. BackgroundTask.unregisterBackgroundTasks(e.BackgroundTaskName);
- B. BackgroundTask.unregisterBackgroundTasks(sender.BackgroundTaskName);
- C. BackgroundTask.unregisterBackgroundTasks(BackgroundTask.TaskName);
- D. BackgroundTask.unregisterBackgroundTasks(BackgroundTask.BackgroundTaskName);

Answer: D

Question No : 14 - (Topic 3)

You need to implement the storage policy for secure documents.

Which code segment should you insert at line PF12?

- A. Windows.Security.EnterpriseData.FileRevocationManager.getStatusAsync
- B. Windows.Security.EnterpriseData.FileRevocationManager.protectAsync
- C. Windows.Security.EnterpriseData.FileRevocationManager.Revoke

D. Windows.Security.EnterpriseData.FileRevocationManager.copyProtectAsync

Answer: B

Question No : 15 HOTSPOT - (Topic 3)

You need to enable the connection to the equipment.

Which app capability should you declare? To answer, select the appropriate check box in the dialog box in the answer area.

Answer Area

Capabilities:

- Enterprise Authentication
- Internet (Client)
- Internet (Client & Server)
- Location
- Microphone
- Music Library
- Pictures Library
- Private Networks (Client & Server)
- Proximity
- Removable Storage
- Shared User Certificates
- Videos Library
- Webcam

Answer:

Answer Area

Capabilities:

- Enterprise Authentication
- Internet (Client)
- Internet (Client & Server)
- Location
- Microphone
- Music Library
- Pictures Library
- Private Networks (Client & Server)
- Proximity
- Removable Storage
- Shared User Certificates
- Videos Library
- Webcam

Question No : 16 - (Topic 3)

You need to implement the file security policy.

What should you do?

- A. Implement the Windows.Security.Cryptography.CryptographicBuffer class.
- B. Use SSL for all file transfers.
- C. Implement a Secure object by using the WinJS.System class.
- D. Add a certificate server to the network.

Answer: A

Topic 4, Scenario 4
Background

You are developing a Windows Store app by using HTML5, JavaScript, and CSS3. The app will be used to access details about products that your company sells.

Business Requirements

The app must do all of the following:

- ✍ Be available to customers in many different countries.
- ✍ Display a list of product categories.
- ✍ Display the products for a selected category.
- ✍ Display details of a selected product.
- ✍ Display images of each product one at a time in a vertical presentation.
- ✍ Provide a link to an About section in the Settings pane.
- ✍ Update product data on a daily basis.
- ✍ Allow the user to view the last selected product while the app is offline.
- ✍ Be deployed in the Windows Store.

Technical Requirements

General

- ✍ When the user restarts the app, the app must start in the state it was in when it was last used.
- ✍ App settings controls must be 346 pixels wide.
- ✍ The app must optimize bandwidth use and performance.

Security

- ✍ The app must use an enterprise certificate.
- ✍ The user must provide valid credentials to access the app.
- ✍ After user authentication, the app must use stored credentials.
- ✍ User accounts will be validated against a pre-existing enterprise service.

App Architecture

Service calls must be separated from the user interface.

The app must follow the MVC design pattern.

Service classes can be written in C++, C#, VB, or JavaScript.

The app must communicate with pre-existing enterprise services.

Application Structure

Relevant portions of the app files are shown below. (Line numbers in the code segments are included for reference only and include a two-character prefix that denotes the specific file to which they belong.)

Default.js

```
DF01 (function () {
DF02   "use strict";
DF03   WinJS.Application.onactivated = function (eventObject) {
DF04     if (eventObject.detail.kind === Windows.ApplicationModel.Activation.ActivationKind.launch) {
DF05       ...
DF06       WinJS.UI.processAll();
DF07     }
DF08     WinJS.Application.onsettings = loadSettings;
DF09   }
DF10 };
DF11
DF12 function loadSettings(e){
DF13
DF14   WinJS.UI.SettingsFlyout.populateSettings(e);
DF15 }
DF16
DF17 WinJS.Application.start();
DF18})();
```

CredentialManager.js

```
CM01 (function () {
CM02   "use strict";
CM03
CM04   WinJS.Namespace.define("credentialManager", {
CM05     saveCredentials: function (applicationID, userName, password) {
CM06
CM07     },
CM08     ...
CM09     getStoredCredentialsFull: function (applicationID, userName) {
CM10       var credential = undefined;
CM11
CM12       try {
CM13
CM14       }
CM15       catch (e) {
CM16
CM17       }
CM18       return credential;
CM19     },
CM20     ...
CM21   });
CM22})();
```

About.html

```
AB01 <!DOCTYPE html>
AB02 <html>
AB03   <head>
AB04     <title>About</title>
AB05   </head>
AB06   <body>
AB07     <div id="about">
AB08       <div class="win-header">
AB09         <div class="win-label">About</div>
AB10       </div>
AB11       <div class="win-content">
AB12         ...
AB13       </div>
AB14     </div>
AB15   </body>
AB16 </html>
```

Question No : 17 - (Topic 4)

You need to implement the saveCredentials method.

Which code segment should you insert at line CM06?

- A.

```
var passwordVault = new Windows.Security.Credentials.PasswordVault();
var credential =
    new Windows.Security.Credentials.PasswordCredential(applicationID, userName,
password);
passwordVault.save(credential);
```
- B.

```
var credentialPicker = new Windows.Security.Credentials.UI.CredentialPicker();
var credential =
    new Windows.Security.Credentials.PasswordCredential(applicationID, userName,
password);
credentialPicker.store(credential);
```
- C.

```
var credentialPicker = new Windows.Security.Credentials.UI.CredentialPicker();
var credential =
    new Windows.Security.Credentials.PasswordCredential(applicationID, userName,
password);
credentialPicker.save(credential)
```
- D.

```
var passwordVault = new Windows.Security.Credentials.PasswordVault();
var credential =
    new Windows.Security.Credentials.PasswordCredential(applicationID, userName,
password);
passwordVault.add(credential);
```

A. Option A

B. Option B

- C. Option C
- D. Option D

Answer: A

Explanation: Managing application data in a Windows Store business app using C#, XAML, and Prism (Windows)
PasswordVault class (Windows)

Question No : 18 DRAG DROP - (Topic 4)

You need to ensure that product images are displayed according to the requirements.

Which attributes should you use? (To answer, drag the appropriate attributes to the correct locations in the answer area. Each attribute 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.)

The screenshot shows a drag-and-drop interface for XAML attributes. On the left, there are two groups of attributes:

- Group1 Attributes:**
 - `data-win-control="WinJS.UI.TabContainer"`
 - `data-win-control="WinJS.UI.FlipView"`
 - `data-win-control="WinJS.UI.SettingsFlyout"`
- Group2 Attributes:**
 - `data-win-options="{ layout: 'vertical' }">`
 - `data-win-options="{ orientation: 'vertical' }">`
 - `data-win-options="{ layout: 'horizontal' }">`
 - `data-win-options="{ orientation: 'horizontal' }">`

On the right, the **Answer area** shows the following structure:

```
<div id="photoContainer">  
  [Group1 Attribute]  
  [Group2 Attribute]  
</div>
```

Answer:

The screenshot displays a code editor with two main sections: 'Group1 Attributes' and 'Group2 Attributes' on the left, and 'Answer area' on the right. The 'Group1 Attributes' section contains three lines of XAML code: `data-win-control="WinJS.UI.TabContainer"`, `data-win-control="WinJS.UI.FlipView"`, and `data-win-control="WinJS.UI.SettingsFlyout"`. The 'Group2 Attributes' section contains four lines of XAML code: `data-win-options="{ layout: 'vertical' }">`, `data-win-options="{ orientation: 'vertical' }">`, `data-win-options="{ layout: 'horizontal' }">`, and `data-win-options="{ orientation: 'horizontal' }">`. The 'Answer area' shows the resulting XML output: `<div id="photoContainer"`, followed by two lines of XAML code: `data-win-control="WinJS.UI.FlipView"` and `data-win-options="{ orientation: 'vertical' }">`, and finally `</div>`. The code in the 'Answer area' is enclosed in a red dashed box.

Explanation:

Box 1:

`data-win-control="WinJS.UI.FlipView"`

Box 2:

`data-win-options="{ orientation: 'vertical' }">`

Question No : 19 - (Topic 4)

You need to store the data for the last selected product.

How should you store the data?

- A. Use app data storage.
- B. Use the company's central data center.
- C. Use System.IO.IsolatedStorage.
- D. Use Microsoft Azure SQL Database.

Answer: C

Reference:

<http://msdn.microsoft.com/en-us/library/windows/apps/System.IO.IsolatedStorage%28v=vs.105%29.aspx>

Question No : 20 - (Topic 4)

You need to ensure that the settings for the About page meet the business requirements.

Which attribute should you add to the DIV element in line AB07?

- A. data-win-options="{width:'narrow'}"
- B. data-win-options="{width:'346'}"
- C. data-win-options="{size:'narrow'}"
- D. data-win-options="{size:'346'}"

Answer: A

Explanation: SettingsFlyout.width property (Windows)

Question No : 21 - (Topic 4)

You need to implement the getStoredCredentialsFull method.

Which code segment should you insert at line CM13?

- A.

```
credential = credentialStore.retrieve(applicationID, userName);  
var credentialStore = new Windows.Security.Credentials.PasswordVault();
```
- B.

```
credential = credentialStore.pickAsync(applicationID, userName);  
var credentialStore = new Windows.Security.Credentials.UI.CredentialPicker();
```
- C.

```
var credentialStore = new Windows.Security.Credentials.PasswordVault();  
credential = credentialStore.retrieve(applicationID, userName);
```
- D.

```
var credentialStore = new Windows.Security.Credentials.UI.CredentialPicker();  
credential = credentialStore.pickAsync(applicationID, userName);
```

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

Answer: C

Explanation: PasswordVault class (Windows)

Question No : 22 - (Topic 4)

You need to implement the `getStoredCredentialsFull` method.

Which code segment should you insert at line CM13?

- A.

```
credential = credentialStore.retrieve(applicationID, userName);  
var credentialStore = new Windows.Security.Credentials.PasswordVault();
```
- B.

```
credential = credentialStore.pickAsync(applicationID, userName);  
var credentialStore = new Windows.Security.Credentials.UI.CredentialPicker();
```
- C.

```
var credentialStore = new Windows.Security.Credentials.PasswordVault();  
credential = credentialStore.retrieve(applicationID, userName);
```
- D.

```
var credentialStore = new Windows.Security.Credentials.UI.CredentialPicker();  
credential = credentialStore.pickAsync(applicationID, userName);
```

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

Answer: C

Explanation: PasswordVault class (Windows)

Topic 5, Scenario 5

Background

Southridge Video rents and sells video games, movies, and other multimedia content. The company is currently expanding its operations. Southridge video is developing a Windows Store news reader and social media app. Users will be able to view and interact with news stories that are related to the video game, entertainment, and related industries. Southridge Video employees will also use the app to manage sales leads, order fulfillment, and customer-service related activities.

Business Requirements

The app has the following requirements.

Email

Users must be able to email news items to their contacts.

Navigation

- ✍ Easy navigation access must be available to move to the next and previous pages.
- ✍ Users searching for specific news items must be able to navigate directly to an item from the search results pane.

News items

- ✍ When a user selects a news item on newsPage.html, the news item should be displayed in the newsItem.html page.
- ✍ The app must periodically retrieve new news items on the newsPage.html page.
- ✍ The app must periodically retrieve new news items on the newsPage.html page.
- ✍ The app must allow the user to save annotated news.
- ✍ The app must display a short title for each news item.

Search capabilities

- ✍ The app must allow users to search within available news items to locate articles of interest.
- ✍ The app must provide search suggestions for users.

Authentication

- ✍ Employees must be able to view the sales leads, order fulfillment, and customer-service related pages.
- ✍ Authenticated users must be able to save news items to read at a later time.
- ✍ Authenticated users must be able to add and save handwritten notes to the news items.
- ✍ The app must allow users to choose whether their credentials will be saved after they first log in. User credentials must be saved by default.

Technical Requirements

Email

- ✍ When a user clicks the To button to email news items, only contacts that have email addresses should be displayed.
- ✍ When multiple contacts are selected, the email addresses must be displayed in the To text box as a semi-colon-delimited string.

News items

- ✍ The app must periodically retrieve new items from a web service. The app must display a progress indicator while retrieving new items.
- ✍ The news feed service must respond to all requests within 15 seconds. The app must not throw an error if the service does not respond within the allotted time.
- ✍ Titles for news items must not overflow into other elements on the page.
- ✍ Authenticated users must be able to add handwritten notes to the news items by using a stylus or the mouse. The app must support saving annotations along with the news item. The app must cancel the navigation from newsItem.html to newsPage.html if there are unsaved changes in the annotations area.

Search capabilities

The app must retrieve a list of phrases from the news service and provide them as search suggestions to users.

Authentication

- ✍ Users connected to the corporate network must authenticate against an Active Directory server.
- ✍ Users outside of the corporate network must authenticate by using forms-based authentication.
- ✍ User credentials must not be transmitted in plain text.

Application Structure

Relevant portions of the app files are shown below. (Line numbers in the code segments are included for reference only and include a two-character prefix that denotes the specific file to which they belong.)

emailPage.html

```
EH01 <body>
EH02 ...
EH03   <div>
EH04     <button id="BtnTo">To</button>
EH05     <input type="text" id="To" />
EH06     ...
EH07   </div>
EH08 </body>
```

emailPage.js

```
EJ01 function chooseContact(eventObject) {
EJ02   var picker = Windows.ApplicationModel.Contacts.ContactPicker();
EJ03
EJ04   picker.pickContactAsync().done(function (contact) {
EJ05     });
EJ06 }
```

getCredential.js

```
GC01 function launchCredPicker() {
GC02   try {
GC03     var options = new Windows.Security.Credentials.UI.CredentialPickerOptions();
GC04
GC05     Windows.Security.Credentials.UI.CredentialPicker.pickAsync(options)
GC06       .then(function (results) {
GC07         ...
GC08       });
GC09   } catch (err) {
GC10     WinJS.log && WinJS.log("Error message: " + err.message, "sample", "error");
GC11   }
GC12 }
```

newsItem.html

```
NI01 <body>
NI02 ...
NI03 <div>
NI04   <canvas id="inkCanvas"></canvas>
NI05   <div>
NI06     <button id="draw">Draw</button>
NI07     <button id="select">Select</button>
NI08     <button id="erase">Erase</button>
NI09   </div>
NI10 </div>
```

newsItem.js

```
NJ01 function isInkInput(evt)
NJ02 {
NJ03
NJ04 }
NJ05
NJ06 function drawStrokes() {
NJ07
NJ08   strokeColor = "black";
NJ09   strokeWidth = 2;
NJ10 }
NJ11
NJ12 function selectStrokes() {
NJ13
NJ14   strokeColor = "red";
NJ15   strokeWidth = 1;
NJ16 }
```

newsPage.html

```

NH01 <body>
NH02 ...
NH03 <div class="newsitemtemplate" data-win-control="WinJS.Binding.Template">
NH04   
NH05   <div class="news-item-info">
NH06     <h4 class="news-item-description" data-win-bind="textContent: description"></h4>
NH07   </div>
NH08 </div>
NH09 </div>
NH10 </body>

```

newsPage.js

```

NP01 var nav = WinJS.Navigation;
NP02 ItemInvoked: function (eventObject) {
NP03   var item = data.items.getAt(eventObject.detail.itemIndex);
NP04
NP05   }
NP06 },
NP07
NP08   function provideSuggestions(queryText, suggestionRequest) {
NP09     var suggestionList = getSuggestions();
NP10     var query = queryText.toLowerCase();
NP11
NP12     }
NP13   }
NP14 }
NP15 }
NP16
NP17 function OnActivated(e) {
NP18   var detail = e.detail;
NP19
NP20   WinJS.Navigation.navigate("/html/NewsItem.html",id);
NP21 }
NP22 }

```

Question No : 23 - (Topic 5)

You need to implement the code to meet the requirements regarding the display of the newsPage.html page.

Which HTML element should you insert at line NH06?

- A. <h2 class ="news-item-title win-type-ellipses" data-win-bind="textContent: title"></ h2>
- B. <h2 class="news-item-title win-type-large" data-win-bind="textContent: title"></h2>
- C. <h2 class="news-item-titewin-type-xx-large" data-win-bind="textContent: title"></ h2>
- D. <h2 class="news-item-title win-type-x-large" data-win-bind="textContent: title"></ h2>

Answer: A

Explanation: WinJS CSS classes for typography (Windows)

ListView.itemTemplate property (Windows)

Question No : 24 - (Topic 5)

You need to implement the code to meet the search requirements.

Which code segment should you insert at line NP11?

- A.

```
for (var i = 0, len = suggestionList.length; i < len; i++) {  
    if (suggestionList[i] === query) {  
        suggestionRequest.searchSuggestionCollection.appendQuerySuggestion  
        (suggestionList[i]);  
    }  
}
```
- B.

```
for (var i = 0, len = suggestionList.length; i < len; i++) {  
    if (suggestionList[i] === query) {  
        suggestionRequest.searchSuggestionCollection.appendResultSuggestion  
        (suggestionList[i]);  
    }  
}
```
- C.

```
for (var i = 0, len = suggestionList.length; i < len; i++) {  
    if (suggestionList[i].substr(0, query.length).toLowerCase() === query) {  
        suggestionRequest.searchSuggestionCollection.appendResultSuggestion  
        (suggestionList[i]);  
    }  
}
```
- D.

```
for (var i = 0, len = suggestionList.length; i < len; i++) {  
    if (suggestionList[i].substr(0, query.length).toLowerCase() === query) {  
        suggestionRequest.searchSuggestionCollection.appendQuerySuggestion  
        (suggestionList[i]);  
    }  
}
```

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

Answer: D

Explanation: [http://msdn.microsoft.com/en-](http://msdn.microsoft.com/en-us/library/windows/apps/windows.applicationmodel.search.searchsuggestioncollection.aspx)

[us/library/windows/apps/windows.applicationmodel.search.searchsuggestioncollection.aspx](http://msdn.microsoft.com/en-us/library/windows/apps/windows.applicationmodel.search.searchsuggestioncollection.aspx)

x

Question No : 25 - (Topic 5)

You add an element with an ID of MyFlexbox to newsPage.html.

You need to ensure that the layout for MyFlexbox meets the requirements.

Which layout should you choose?

- A.

```
#MyFlexbox {
  display: -ms-flexbox;
  background: gray;
  border: blue;
  -ms-flex-wrap: wrap;
}
```
- B.

```
#MyFlexbox {
  display: -ms-inline-grid;
  background: gray;
  border: blue;
  -ms-grid-columns: auto;
}
```
- C.

```
#MyFlexbox {
  display: -ms-grid;
  background: gray;
  border: blue;
  -ms-grid-columns: auto;
}
```
- D.

```
#MyFlexbox {
  display: -ms-flexbox;
  background: gray;
  border: blue;
  -ms-flex-align: stretch;
}
```


Microsoft Exams List

70-246 Dump PDF VCE	70-485 Dump PDF VCE	70-742 Dump PDF VCE	98-366 Dump PDF VCE
70-247 Dump PDF VCE	70-486 Dump PDF VCE	70-743 Dump PDF VCE	98-367 Dump PDF VCE
70-331 Dump PDF VCE	70-487 Dump PDF VCE	70-744 Dump PDF VCE	98-368 Dump PDF VCE
70-332 Dump PDF VCE	70-488 Dump PDF VCE	70-761 Dump PDF VCE	98-369 Dump PDF VCE
70-333 Dump PDF VCE	70-489 Dump PDF VCE	70-762 Dump PDF VCE	98-372 Dump PDF VCE
70-334 Dump PDF VCE	70-490 Dump PDF VCE	70-765 Dump PDF VCE	98-373 Dump PDF VCE
70-339 Dump PDF VCE	70-491 Dump PDF VCE	70-768 Dump PDF VCE	98-374 Dump PDF VCE
70-341 Dump PDF VCE	70-492 Dump PDF VCE	70-980 Dump PDF VCE	98-375 Dump PDF VCE
70-342 Dump PDF VCE	70-494 Dump PDF VCE	70-981 Dump PDF VCE	98-379 Dump PDF VCE
70-345 Dump PDF VCE	70-496 Dump PDF VCE	70-982 Dump PDF VCE	MB2-700 Dump PDF VCE
70-346 Dump PDF VCE	70-497 Dump PDF VCE	74-343 Dump PDF VCE	MB2-701 Dump PDF VCE
70-347 Dump PDF VCE	70-498 Dump PDF VCE	74-344 Dump PDF VCE	MB2-702 Dump PDF VCE
70-348 Dump PDF VCE	70-499 Dump PDF VCE	74-409 Dump PDF VCE	MB2-703 Dump PDF VCE
70-354 Dump PDF VCE	70-517 Dump PDF VCE	74-678 Dump PDF VCE	MB2-704 Dump PDF VCE
70-383 Dump PDF VCE	70-532 Dump PDF VCE	74-697 Dump PDF VCE	MB2-707 Dump PDF VCE
70-384 Dump PDF VCE	70-533 Dump PDF VCE	77-420 Dump PDF VCE	MB2-710 Dump PDF VCE
70-385 Dump PDF VCE	70-534 Dump PDF VCE	77-427 Dump PDF VCE	MB2-711 Dump PDF VCE
70-410 Dump PDF VCE	70-640 Dump PDF VCE	77-600 Dump PDF VCE	MB2-712 Dump PDF VCE
70-411 Dump PDF VCE	70-642 Dump PDF VCE	77-601 Dump PDF VCE	MB2-713 Dump PDF VCE
70-412 Dump PDF VCE	70-646 Dump PDF VCE	77-602 Dump PDF VCE	MB2-714 Dump PDF VCE
70-413 Dump PDF VCE	70-673 Dump PDF VCE	77-603 Dump PDF VCE	MB2-715 Dump PDF VCE
70-414 Dump PDF VCE	70-680 Dump PDF VCE	77-604 Dump PDF VCE	MB2-716 Dump PDF VCE
70-417 Dump PDF VCE	70-681 Dump PDF VCE	77-605 Dump PDF VCE	MB2-717 Dump PDF VCE
70-461 Dump PDF VCE	70-682 Dump PDF VCE	77-881 Dump PDF VCE	MB2-718 Dump PDF VCE
70-462 Dump PDF VCE	70-684 Dump PDF VCE	77-882 Dump PDF VCE	MB5-705 Dump PDF VCE
70-463 Dump PDF VCE	70-685 Dump PDF VCE	77-883 Dump PDF VCE	MB6-700 Dump PDF VCE
70-464 Dump PDF VCE	70-686 Dump PDF VCE	77-884 Dump PDF VCE	MB6-701 Dump PDF VCE
70-465 Dump PDF VCE	70-687 Dump PDF VCE	77-885 Dump PDF VCE	MB6-702 Dump PDF VCE
70-466 Dump PDF VCE	70-688 Dump PDF VCE	77-886 Dump PDF VCE	MB6-703 Dump PDF VCE
70-467 Dump PDF VCE	70-689 Dump PDF VCE	77-887 Dump PDF VCE	MB6-704 Dump PDF VCE
70-469 Dump PDF VCE	70-692 Dump PDF VCE	77-888 Dump PDF VCE	MB6-705 Dump PDF VCE
70-470 Dump PDF VCE	70-695 Dump PDF VCE	77-891 Dump PDF VCE	MB6-884 Dump PDF VCE
70-473 Dump PDF VCE	70-696 Dump PDF VCE	98-349 Dump PDF VCE	MB6-885 Dump PDF VCE
70-480 Dump PDF VCE	70-697 Dump PDF VCE	98-361 Dump PDF VCE	MB6-886 Dump PDF VCE
70-481 Dump PDF VCE	70-698 Dump PDF VCE	98-362 Dump PDF VCE	MB6-889 Dump PDF VCE
70-482 Dump PDF VCE	70-734 Dump PDF VCE	98-363 Dump PDF VCE	MB6-890 Dump PDF VCE
70-483 Dump PDF VCE	70-740 Dump PDF VCE	98-364 Dump PDF VCE	MB6-892 Dump PDF VCE
70-484 Dump PDF VCE	70-741 Dump PDF VCE	98-365 Dump PDF VCE	MB6-893 Dump PDF VCE

Cisco Exams List

010-151 Dump PDF VCE	350-018 Dump PDF VCE	642-737 Dump PDF VCE	650-667 Dump PDF VCE
100-105 Dump PDF VCE	352-001 Dump PDF VCE	642-742 Dump PDF VCE	650-669 Dump PDF VCE
200-001 Dump PDF VCE	400-051 Dump PDF VCE	642-883 Dump PDF VCE	650-752 Dump PDF VCE
200-105 Dump PDF VCE	400-101 Dump PDF VCE	642-885 Dump PDF VCE	650-756 Dump PDF VCE
200-120 Dump PDF VCE	400-151 Dump PDF VCE	642-887 Dump PDF VCE	650-968 Dump PDF VCE
200-125 Dump PDF VCE	400-201 Dump PDF VCE	642-889 Dump PDF VCE	700-001 Dump PDF VCE
200-150 Dump PDF VCE	400-251 Dump PDF VCE	642-980 Dump PDF VCE	700-037 Dump PDF VCE
200-155 Dump PDF VCE	400-351 Dump PDF VCE	642-996 Dump PDF VCE	700-038 Dump PDF VCE
200-310 Dump PDF VCE	500-006 Dump PDF VCE	642-997 Dump PDF VCE	700-039 Dump PDF VCE
200-355 Dump PDF VCE	500-007 Dump PDF VCE	642-998 Dump PDF VCE	700-101 Dump PDF VCE
200-401 Dump PDF VCE	500-051 Dump PDF VCE	642-999 Dump PDF VCE	700-104 Dump PDF VCE
200-601 Dump PDF VCE	500-052 Dump PDF VCE	644-066 Dump PDF VCE	700-201 Dump PDF VCE
210-060 Dump PDF VCE	500-170 Dump PDF VCE	644-068 Dump PDF VCE	700-205 Dump PDF VCE
210-065 Dump PDF VCE	500-201 Dump PDF VCE	644-906 Dump PDF VCE	700-260 Dump PDF VCE
210-250 Dump PDF VCE	500-202 Dump PDF VCE	646-048 Dump PDF VCE	700-270 Dump PDF VCE
210-255 Dump PDF VCE	500-254 Dump PDF VCE	646-365 Dump PDF VCE	700-280 Dump PDF VCE
210-260 Dump PDF VCE	500-258 Dump PDF VCE	646-580 Dump PDF VCE	700-281 Dump PDF VCE
210-451 Dump PDF VCE	500-260 Dump PDF VCE	646-671 Dump PDF VCE	700-295 Dump PDF VCE
210-455 Dump PDF VCE	500-265 Dump PDF VCE	646-985 Dump PDF VCE	700-501 Dump PDF VCE
300-070 Dump PDF VCE	500-275 Dump PDF VCE	648-232 Dump PDF VCE	700-505 Dump PDF VCE
300-075 Dump PDF VCE	500-280 Dump PDF VCE	648-238 Dump PDF VCE	700-601 Dump PDF VCE
300-080 Dump PDF VCE	500-285 Dump PDF VCE	648-244 Dump PDF VCE	700-602 Dump PDF VCE
300-085 Dump PDF VCE	500-290 Dump PDF VCE	648-247 Dump PDF VCE	700-603 Dump PDF VCE
300-101 Dump PDF VCE	500-801 Dump PDF VCE	648-375 Dump PDF VCE	700-701 Dump PDF VCE
300-115 Dump PDF VCE	600-199 Dump PDF VCE	648-385 Dump PDF VCE	700-702 Dump PDF VCE
300-135 Dump PDF VCE	600-210 Dump PDF VCE	650-032 Dump PDF VCE	700-703 Dump PDF VCE
300-160 Dump PDF VCE	600-211 Dump PDF VCE	650-042 Dump PDF VCE	700-801 Dump PDF VCE
300-165 Dump PDF VCE	600-212 Dump PDF VCE	650-059 Dump PDF VCE	700-802 Dump PDF VCE
300-180 Dump PDF VCE	600-455 Dump PDF VCE	650-082 Dump PDF VCE	700-803 Dump PDF VCE
300-206 Dump PDF VCE	600-460 Dump PDF VCE	650-127 Dump PDF VCE	810-403 Dump PDF VCE
300-207 Dump PDF VCE	600-501 Dump PDF VCE	650-128 Dump PDF VCE	820-424 Dump PDF VCE
300-208 Dump PDF VCE	600-502 Dump PDF VCE	650-148 Dump PDF VCE	840-425 Dump PDF VCE
300-209 Dump PDF VCE	600-503 Dump PDF VCE	650-159 Dump PDF VCE	
300-210 Dump PDF VCE	600-504 Dump PDF VCE	650-281 Dump PDF VCE	
300-320 Dump PDF VCE	640-692 Dump PDF VCE	650-393 Dump PDF VCE	
300-360 Dump PDF VCE	640-875 Dump PDF VCE	650-472 Dump PDF VCE	
300-365 Dump PDF VCE	640-878 Dump PDF VCE	650-474 Dump PDF VCE	
300-370 Dump PDF VCE	640-911 Dump PDF VCE	650-575 Dump PDF VCE	
300-375 Dump PDF VCE	640-916 Dump PDF VCE	650-621 Dump PDF VCE	
300-465 Dump PDF VCE	642-035 Dump PDF VCE	650-663 Dump PDF VCE	
300-470 Dump PDF VCE	642-732 Dump PDF VCE	650-665 Dump PDF VCE	
300-475 Dump PDF VCE	642-747 Dump PDF VCE	650-754 Dump PDF VCE	

HOT EXAMS

Cisco

[100-105 Dumps VCE PDF](#)
[200-105 Dumps VCE PDF](#)
[300-101 Dumps VCE PDF](#)
[300-115 Dumps VCE PDF](#)
[300-135 Dumps VCE PDF](#)
[300-320 Dumps VCE PDF](#)
[400-101 Dumps VCE PDF](#)
[640-911 Dumps VCE PDF](#)
[640-916 Dumps VCE PDF](#)

Microsoft

[70-410 Dumps VCE PDF](#)
[70-411 Dumps VCE PDF](#)
[70-412 Dumps VCE PDF](#)
[70-413 Dumps VCE PDF](#)
[70-414 Dumps VCE PDF](#)
[70-417 Dumps VCE PDF](#)
[70-461 Dumps VCE PDF](#)
[70-462 Dumps VCE PDF](#)
[70-463 Dumps VCE PDF](#)
[70-464 Dumps VCE PDF](#)
[70-465 Dumps VCE PDF](#)
[70-480 Dumps VCE PDF](#)
[70-483 Dumps VCE PDF](#)
[70-486 Dumps VCE PDF](#)
[70-487 Dumps VCE PDF](#)

CompTIA

[220-901 Dumps VCE PDF](#)
[220-902 Dumps VCE PDF](#)
[N10-006 Dumps VCE PDF](#)
[SY0-401 Dumps VCE PDF](#)