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A Composite Solution With Just One Click

Microsoft

70-573 PRACTICE EXAM

Microsoft SharePoint 2010 Application Development

Question: 1

You create a Web Part by using Microsoft Visual Studio 2010. You need to execute SPDisposeCheck.exe before the Web Part is deployed. What should you do?

- A. Configure a pre-deployment command line.
- B. Configure SPDisposeCheck.exe as an external tool.
- C. Change the configuration from Active (Debug) to Release.
- D. Change the active deployment configuration to No Activation.

Answer: A

Explanation:

MNEMONIC RULE: "before deployed = pre-deployment"

How to: Set SharePoint Deployment Commands

<http://msdn.microsoft.com/en-us/library/ee231534.aspx>

Question: 2

You have a SharePoint site collection. The root Web of the site collection has the URL <http://intranet>.

You plan to create a sandboxed solution that will contain a Web Part. The Web Part will display the title of the root Web. You write the following code segment for the Web Part. (Line numbers are included for reference only.)

```
01 SPSite currentSite = new SPSite("http://intranet");  
02
```

```
03 Label currentTitle = new Label();
```

```
04 currentTitle.Text = currentSite.RootWeb.Title;
```

You add the Web Part to a page in the root Web and receive the following error message:

"Web Part Error: Unhandled exception was thrown by the sandboxed code wrapper's Execute method in the partial trust app domain: An unexpected error has occurred." You need to prevent the error from occurring. What should you do?

- A. Add the following line of code at line 02:
`currentSite.OpenWeb();`
- B. Add the following line of code at line 02:
`currentSite.OpenWeb("http://intranet");`
- C. Change line 01 to the following code segment:
`SPSite currentSite = SPContext.Current.Site;`
- D. Change line 04 to the following code segment:
`currentTitle.Text = currentSite.OpenWeb().Title;`

Answer: C

Explanation:

MNEMONIC RULE: "sandboxed = SPContext"

OpenWeb() method returns SPWeb object, so answers A and B are incorrect, since they assume OpenWeb() method doesn't return an object.

Answer D is incorrect for the same reason.

This constructor is allowed in sandboxed solutions. In that case, the value of the `requestUrl` parameter must resolve to

the parent site collection in which the sandboxed solution is deployed. If the value of the `requestUrl` parameter resolves to the URL of any other site collection, the constructor throws an exception because a sandboxed solution is not allowed to access any SharePoint objects outside its hosting site collection.

SPSite Constructor (String)

<http://msdn.microsoft.com/en-us/library/ms466911.aspx>

Question: 3

You are creating a Web Part that will be deployed as a sandboxed solution. You need to ensure that the Web Part can write debugging information to the SharePoint trace logs. Which class should the logging component inherit?

- A. SPDelegate
- B. SPLog
- C. SPPersistedObject
- D. SPProxyOperation

Answer: D

Explanation:

MNEMONIC RULE: "sandboxed solution needs SPProxyOperation"

You can implement your full-trust functionality in classes that derive from the `SPProxyOperation` abstract class and deploy the assembly to the global assembly cache. These classes expose a full-trust proxy that you can call from within the sandbox environment. Full-trust proxies can provide a useful way to expose logging and configuration functionality to sandboxed applications.

Hybrid Approaches

<http://msdn.microsoft.com/en-us/library/ff798433.aspx>

Question: 4

You need to create a Web Part that will store and retrieve information for the current subsite. Which object should you use?

- A. `SPContext.Current.Site.RootWeb.AllProperties`
- B. `SPContext.Current.Site.RootWeb.Configuration`
- C. `SPContext.Current.Web.Configuration`
- D. `SPContext.Current.Web.Properties`

Answer: D

Explanation:

MNEMONIC RULE: "information is in Web.Properties"

`SPContext.Current.Web` is `SPWeb` object.

`Properties` is the `SPPropertyBag` object with the metadata for the website.

`SPWeb.Properties` Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spweb.properties.aspx>

Question: 5

You create a SharePoint solution. You deploy the SharePoint solution by using Microsoft Visual Studio 2010. You need to prevent the Feature that is contained in the solution from being automatically activated when you deploy the

solution. What should you configure in Visual Studio 2010?

- A. the active deployment configuration
- B. the build configuration
- C. the pre-deployment command line
- D. the startup item

Answer: A

Explanation:

MNEMONIC RULE: "deploy the solution = active deployment configuration"

How to: Edit a SharePoint Deployment Configuration

<http://msdn.microsoft.com/en-us/library/ee231587.aspx>

Walkthrough: Creating a Custom Deployment Step for SharePoint Projects

<http://msdn.microsoft.com/en-us/library/ee256698.aspx>

Question: 6

You are developing a custom Feature by using Microsoft Visual Studio 2010. You need to ensure that when you deploy the Feature, a file named Form1.xsn is deployed to the Feature folder. You must achieve this goal by using the minimum amount of development effort. What should you do?

- A. Add a new module to the Visual Studio project.
- B. Add a Feature receiver to the Visual Studio project.
- C. Configure the Properties element in the Feature definition file.
- D. Configure the ActivationDependencies element in the Feature definition file.

Answer: A

Explanation:

MNEMONIC RULE: "deploy file = module"

A module is a collection of file instances, which are instances of files that are provisioned in a site. To provision a file into Microsoft SharePoint Foundation Web sites, you must use the Module element within a Feature or site definition. The Module element allows you to add one or more files to a SharePoint Foundation Web site or document library.

Module

<http://msdn.microsoft.com/en-us/library/ms462994.aspx>

How to: Provision a File

<http://msdn.microsoft.com/en-us/library/ms441170.aspx>

Question: 7

You have a Feature named Feature1. You plan to create a new version of Feature1 that will upgrade the existing version of Feature1. You need to ensure that when Feature1 is upgraded, additional configuration data is added to the property bag of the site. What should you do?

- A. Add a <CustomUpgradeAction> element and increase the Version number of the Feature.
- B. Add a <CustomUpgradeAction> element and increase the UIVersion number of the Feature.
- C. Add an <ActivationDependencies> element and increase the Version number of the Feature.
- D. Add an <ActivationDependencies> element and increase the UIVersion number of the Feature.

Answer: A

Explanation:

MNEMONIC RULE: "CustomUpgradeAction Version"

<CustomUpgradeAction> — Allows you to execute custom code when a Feature instance is being upgraded.

Feature.xml Changes

<http://msdn.microsoft.com/en-us/library/ee537575.aspx>

Question: 8

You create a SharePoint solution by using Microsoft Visual Studio 2010. The SharePoint solution contains a third-party assembly. You need to deploy the third-party assembly to the Global Assembly Cache (GAC).

What should you use?

- A. a SharePoint mapped folder
- B. the active deployment configuration
- C. the Feature Designer
- D. the Package Designer

Answer: D

Explanation:

MNEMONIC RULE: "Package Designer for GAC"

How to add assemblies into GAC/web application's bin folder using WSPs created using Visual studio 2010's SharePoint projects.

<http://girishm.blog.com/2010/10/19/how-to-add-assemblies-into-gac-web-applications-bin-folderusing-wspsc Created using visual studio 2010s sharepoint projects-2/>

The package contains features and other assets and is used when you deploy solutions to SharePoint.

The package is also where the assembly deployment location is determined.

Visual Studio 2010 introduces a package designer, which makes viewing and managing packages much easier.

Visual Studio 2010 Tools for SharePoint Development

<http://msdn.microsoft.com/en-us/magazine/ee309510.aspx>

Question: 9

You have a custom site definition. You create a custom site Feature. You need to ensure that the Feature is activated for all new sites that are created by using the custom site definition. What should you do?

- A. Modify the Onet.xml file.
- B. Modify the web.config file.
- C. Add a Feature receiver to the custom site Feature.
- D. Add a Feature dependency to the custom site Feature.

Answer: A

Explanation:

MNEMONIC RULE: "custom site definition = Onet.xml"

You can perform the following kinds of tasks in a custom Onet.xml file that is used for either a custom site definition or a custom web template:

Specify an alternative cascading style sheet (CSS) file, JavaScript file, or ASPX header file for a site definition.

Modify navigation areas for the home page and list pages.

Add a new list definition as an option in the UI.

Define one configuration for the site definition or web template, specifying the lists, modules, files, and WebParts that are included when the configuration is instantiated. Specify Features to be included automatically with websites that are created from the site definition or webtemplate.

Understanding Onet.xml Files

<http://msdn.microsoft.com/en-us/library/ms474369.aspx>

Question: 10

You create a console application to manage Personal Sites.

The application contains the following code segment. (Line numbers are included for reference only.)

```
01 SPSite siteCollection = new SPSite ("http://rccss");
02 UserProfileManager profileManager = new UserProfileManager
( Server-Context.GetContext (siteCollection)) ;
03 UserProfile profile = profileManager.GetUser Profile ("domainWusername") ;
04 SPSite personalSite = profile.PersonalSite ;
05
```

```
06 siteCollection.Dispose ();
```

You deploy the application to a SharePoint site.

After deploying the application, users report that the site loads slowly.

You need to modify the application to prevent the site from loading slowly.

What should you do?

A. Remove line 06.

B. Change line 06 to the following code segment.

```
siteCollection. Close ();
```

C. Add the following line of code at line 05.

```
personalSite. Close ();
```

D. Add the following line of code at line 05.

```
personalSite.Dispose ();
```

Answer: B

Question: 11

You create a Web Part that takes three values from three text boxes and creates a new SharePoint site when you click a button named CreateNewSite.

The Web Part contains the following code segment.

```
protected void CreateNewSite_Click(object sender, EventArgs e)
{
    SPSite site = SPContext.Current.Site;
    SPWeb web = site.AllWebs.Add(SiteNameTextBox.Text, SiteTitleTextBox.Text,
    SiteDescriptionTextBox.Text, 0, SPWebTemplate.WebTemplateSTS, false, false);
}
```

You test the Web Part and it works properly.

When another user attempts to use the Web Part to create a new site, he receives the following error message: "Error: Access Denied."

You need to ensure that users can use the Web Part to create new sites.

What should you do?

- A. Add web.Update() after the code segment.
- B. Add web.ValidateFormDigest() after the code segment.
- C. Run the code segment inside a SPSecurity.RunWithElevatedPrivileges delegate.
- D. Add the following code after the code segment:
 SPUser currentUser = System.web.CurrentUser;
 web.Users.Add(currentUser.LoginName, currentUser.Email, currentUser.Name, "");

Answer: C

Explanation:

MNEMONIC RULE: "Access Denied = RunWithElevatedPrivileges"

SPSecurity.RunWithElevatedPrivileges Method

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.spsecurity.runwithelevatedprivileges.aspx](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spsecurity.runwithelevatedprivileges.aspx)

Question: 12

You have a custom theme named MyTheme . The theme is defined in a file named MyTheme.thmx . You have a console application that contains the following code segment. (Line numbers are included for reference only.)

```
101 using ( SPWeb site = new SPWeb ( "http://intranet" ))
02 {
03 SPWeb web = site.OpenWeb ();
04
05 }
```

You need to programmatically apply the theme to a SharePoint site.

Which code segment should you add to the console application?

- A. ThmxTheme.SetThemeUrlForWeb(web, "/_catalogs/theme/MyTheme.thmx", False);
- B. web.AlternateCssUrl = "/_themes/MyTheme";
- C. web.ApplyWebTemplate("MyTheme.thmx");
- D. web.ThemedCssFolderUrl = "/_themes/MyTheme";

Answer: A

Explanation:

MNEMONIC RULE: ThmxTheme

ThmxTheme.SetThemeUrlForWeb Method (SPWeb, String, Boolean)

<http://msdn.microsoft.com/en-us/library/ee658324.aspx>

Question: 13

You need to create a Web Part that hides the out-of-the-box Ribbon on the current page. Which code segment should you include in the Web Part?

- A. SPRibbon.GetCurrent(me.Page).CommandUIVisible = false
- B. SPRibbon.GetCurrent(me.Page).Dispose()
- C. this.Page.FindControl("SPRibbon").Dispose()
- D. this.Page.FindControl("SPRibbon").Visible = false

Answer: A

Explanation:

MNEMONIC RULE: "CommandUIVisible"

There are two parts to the ribbon: the upper part, where other controls such as site actions can be put, and the CommandUI part that has the buttons and controls. This property controls the lower part of the ribbon. So, if this property is set to false, the site actions still appear in the upper part of the ribbon, but no tabs and buttons appear in the lower part. Ribbon.CommandUIVisible Property

<http://msdn.microsoft.com/en-us/library/microsoft.web.commandui.ribbon.commanduivisible.aspx>

Question: 14

You create a modal dialog that displays a list of items. You need to capture the items selected by a user. Which code segment should you use?

- A. `SPItem item = SPContext.Current.Item;`
- B. `var items = SP.ListOperation.Current.Item();`
- C. `var items = SP.ListOperation.Selection.getSelectedItems();`
- D. `var item = SPContext.Current.Item["Selected"];`

Answer: C

Explanation:

MNEMONIC RULE: "getSelectedItems"

`SP.ListOperation.Selection.getSelectedItems()` Method

<http://msdn.microsoft.com/en-us/library/ff409526.aspx>

Question: 15

You create a custom site definition. You need to modify the contents of the Quick Launch area. Which file should you modify?

- A. Schema.xml
- B. WebTemp.xml
- C. vwstyles.xml
- D. Onet.xml

Answer: D

Explanation:

MNEMONIC RULE: "custom site definition = Onet.xml"

You can perform the following kinds of tasks in a custom Onet.xml file that is used for either a custom site definition or a custom web template:

Specify an alternative cascading style sheet (CSS) file, JavaScript file, or ASPX header file for a site definition.

Modify navigation areas for the home page and list pages.

Add a new list definition as an option in the UI.

Define one configuration for the site definition or web template, specifying the lists, modules, files, and WebParts that are included when the configuration is instantiated. Specify Features to be included automatically with websites that are created from the site definition or webtemplate.

Understanding Onet.xml Files

<http://msdn.microsoft.com/en-us/library/ms474369.aspx>

Question: 16

You create a Feature receiver.

You need to hide the Quick Launch navigation bar of a SharePoint site.

What should you use?

- A. the Hidden property of each list
- B. the OnQuickLaunch property of each list
- C. the QuickLaunchEnabled property
- D. the Navigation.QuickLaunch.Parent.IsVisible property

Answer: C

Explanation:

MNEMONIC RULE: "hide Quick Launch = QuickLaunchEnabled"

SPWeb.QuickLaunchEnabled Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spweb.quicklaunched.aspx>

Question: 17

You are creating an application page that will open a dialog box. The application page uses a custom master page. You write the following code segment. (Line numbers are included for reference only.)

```
01 < script type="text/javascript" >
02 function DialogCallback ( dialogResult, returnValue ){>
03 function OpenEditDialog (id){
04 var options = {
05   url:" http://intranet/Jayouts /MsgToShow.aspx,
06   width: 300,
07   height: 300,
08   dialogReturnValueCallback : DialogCallback
09 };
10 SP.UI.ModalDialog.showModalDialog (options);
11 }
12 < /script >
```

You need to ensure that the code opens the dialog box.

What should you do?

- A. Add a script link that references SP.js .
- B. At line 08, change showModalDialog to commonModalDialogOpen.
- C. At line 08, change showModalDialog to openDialog.
- D. Add a script link that references SharePoint.Dialog.js .

Answer: A

Question: 18

You created a custom ASPX page that updates a list. The page is deployed to the Jayouts folder.

The page contains the following code segment.

```
01 < form id=" Form1" runat =" Server" >
```

```
02 < asp: Button id=" btnUpdate " runat =" server" Text=" Update" ></asp : Button >
```

```
03 </form >
```

A user attempts to update the list by using the page and receives the following error message:

"The security validation for this page is invalid".

You need to prevent the error from occurring.

Which control should you include in Form1?

- A. FormDigest
- B. UIVersionedContent
- C. InputFormCustomValidator
- D. EncodedLiteral

Answer: A

Question: 19

You have a Microsoft Office SharePoint Server 2007 site.

You upgrade the site to SharePoint Server 2010.

You need to create a Feature that prevents site collection administrators from upgrading the user interface of the site to SharePoint Server 2010.

Which property should you use?

- A. UIVersionConfigurationEnabled
- B. AdministrationSiteType
- C. AllowMasterPageEditing
- D. AllowDesigner

Answer: A

Explanation:

MNEMONIC RULE: "upgrading = UIVersionConfigurationEnabled"

Gets or sets a value that indicates whether to enable the user interface (UI) for changing the version of the UI.

SPWeb.UIVersionConfigurationEnabled Property

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.spweb.uiversionconfigurationenabled.aspx](http://msdn.microsoft.com/enus/library/microsoft.sharepoint.spweb.uiversionconfigurationenabled.aspx)

Question: 20

You plan to activate the Developer Dashboard.

You create a command line application that contains the following code segment. (Line numbers are included for reference only.)

```
01 SPWebService cs = SPWebService.ContentService ;
```

```
02 cs.DeveloperDashboardSettings.DisplayLevel = SPDeveloperDashboardLevel.On ;
```

```
03
```

You execute the application and discover that the Developer Dashboard fails to appear.

You need to ensure that the application activates the Developer Dashboard.

What should you do?

- A. Add the following line of code at line 03:
`cs.Update();`
- B. Add the following line of code at line 03:
`cs.DeveloperDashboardSettings.Update();`
- C. Change line 02 to the following code segment:
`cs.DeveloperDashboardSettings.DisplayLevel = SPDeveloperDashboardLevel.Off;`
- D. Change line 02 to the following code segment:
`cs.DeveloperDashboardSettings.DisplayLevel = SPDeveloperDashboardLevel.OnDemand;`

Answer: B

Explanation:

MNEMONIC RULE: "loooonger Update()"

Update() method of SPDeveloperDashboardSettings class causes the object to save its state and propagate changes to all the computers in the server farm.

SPDeveloperDashboardSettings Members http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.administration.spdeveloperdashboardsettings_members.aspx

Question: 21

You create a custom Web Part.
 You need to ensure that a custom property is visible in Edit mode.
 Which attribute should you set in the Web Part?

- A. WebDisplayName
 B. WebBrowsable
 C. Personalizable
 D. WebCategoryName

Answer: B

Explanation:

MNEMONIC RULE: "Web Part is visible = WebBrowsable"

The WebBrowsable attribute specifies that the decorated property should appear in the editor component of the web part. It only allows the end user to modify the property and does nothing about persistence.

WebBrowsable will make the property appear in the ToolPane or EditorPart of the WebPart.

WebBrowsable vs Personalizable in Web Parts

<http://stackoverflow.com/questions/4362234/webbrowsable-vs-personalizable-in-web-parts>

Question: 22

You plan to create two Web Parts named Products and ProductDetails. You create an interface that contains the following code segment.

```
Public interface Interface1
{
    String ProductId { get; }
}
```

You need to ensure that the Products Web Part sends Productid to the ProductDetails Web Part.

You must achieve this goal by using the ASP.NET Web Part connection framework.

What should you do?

- A. Implement Interface1 in the Products Web Part.
- B. Implement Interface1 in the ProductDetails Web Part.
- C. Add a private set-accessor-declaration to the Productid property.
- D. Add a protected set-accessor-declaration to the Productid property.

Answer: A

Explanation:

MNEMONIC RULE: "Implement Interface1 in Products Web"

Products Web Part sends ProductId; therefore, Products Web Part is the provider Web Part.

Walkthrough: Creating Connectable Web Parts in SharePoint Foundation

<http://msdn.microsoft.com/en-us/library/ms469765.aspx>

SharePoint 2010 Provider Consumer Web Parts

<http://johanolivier.blogspot.com/2010/08/sharepoint-2010-provider-consumer-web.html>

Question: 23

You create a user control named MySearch.ascx.

You plan to change the native search control in SharePoint to MySearch.ascx.

You need to provide the site administrator with the ability to change the out-of-the-box search control to MySearch.ascx.

What should you do?

- A. Override the search delegate control by using a Feature.
- B. Modify the <SafeControls> element in the web.config file.
- C. Configure the SearchBox.dwp in the Web Part gallery,
- D. Modify \14\TEMPLATE\FEATURES\SearchWebParts\SearchBox.dwp.

Answer: C

Question: 24

You create a custom Web Part.

You need to create a class to log Web Part errors to the Unified Logging Service (ULS) logs.

What should you use?

- A. the ILoggingProvider interface
- B. the SPPersistedObject class
- C. the SPDiagnosticsServiceBase class
- D. the ILogger interface

Answer: C

Explanation:

MNEMONIC RULE: "Unified Logging Service = SPDiagnosticsServiceBase"

Logging to ULS in SharePoint 2010

<http://blog.mastykarz.nl/logging-uls-sharepoint-2010/>

Question: 25

You have a custom Web Part that is deployed as a sandboxed solution.
 You need to ensure that the Web Part can access the local file system on a SharePoint server.
 You must minimize the amount of privileges assigned to the Web Part.
 What should you do?

- A. Deploy the Web Part to the Global Assembly Cache (GAC).
- B. Elevate the trust level to Full.
- C. Redeploy the Web Part as a farm solution.
- D. Elevate the trust level to WSS_Medium.

Answer: C

Explanation:

MNEMONIC RULE: "Redeploy"

Due to the heavy restrictions of sandboxed solutions, elevating the trust level is not an option, and neither is the deployment of the Web Part to GAC.

You can get broader permissions by using full-trust proxies, but it's not an option in this question. :)

Question: 26

You have a custom Web Part.
 You need to create a custom user interface for modifying the Web Part properties. What should you do?

- A. Create a new Master Page. Implement the IControlBuilderAccessor interface.
- B. Create a new tool part for the custom Web Part.
- C. Modify the [ToolBox] attribute of the custom Web Part.
- D. Create a new Web Part. Implement the IControlBuilderAccessor interface.

Answer: B

Explanation:

MNEMONIC RULE: "Tool part for the Web Part"

What is a custom tool part?

The Custom tool part is part of the web part infrastructure, that helps us to create a custom user interface for the web part properties that goes beyond the capabilities of the default property pane.

When do we need a custom tool part?

Let's say, If we need to create a web part property of type dropdown, we need to create a custom tool part. This is not supported out-of-box in the web part framework. I've the similar requirement of creating a custom web part property of type drop-down.

Create Custom Tool Parts for SharePoint Web Parts

https://msmvps.com/blogs/sundar_narasiman/archive/2009/09/02/create-custom-tool-parts-for-sharepoint-webparts.aspx

Question: 27

You have a SharePoint site that uses a master page named Master1.master. You create a custom user control named MySearch.ascx. You need to change the default search box to MySearch.ascx.
 What should you do?

- A. Modify the SmallSearchInputBox control tag in the master page, and then configure the ControlId property.
- B. Modify the SmallSearchInputBox control tag in the master page, and then configure the ControlSrc property.
- C. Create a Web Part that uses MySearch.ascx. In the master page, add a control tag that references the .webpart file.
- D. Create a Visual Web Part that uses MySearch.ascx. In the master page, add a control tag that references the .webpart file.

Answer: B

Explanation:

MNEMONIC RULE: "ControlSrc"

Delegate Control (Control Templization)

<http://msdn.microsoft.com/en-us/library/ms463169.aspx>

Question: 28

You create a Web Part that contains the following logging code. (Line numbers are included for reference only.)

```

01 SPWeb web = SPContext.Current.Web;
02 try
03 {
04
05 }
06 catch (Exception ex)
07 {
08
09  System.Diagnostics.EventLog.WriteEntry("WebPart  Name", ("Exception  Information: " + ex.Message),
EventLogEntryType.Error);
10 }

```

You discover that line 09 causes an error. You need to resolve the error.

What should you do?

- A. Run the code segment at line 09 inside a RunWithElevatedPrivileges delegate.
- B. Add the following code at line 08:
if (web.CurrentUser.IsSiteAuditor == false)
- C. Add the following code at line 08:
if (web.CurrentUser.IsSiteAdmin == false)
- D. Change line 09 to the following code segment:
System.Diagnostics.EventLog.WriteEntry("WebPart Name", "Exception Information",
EventLogEntryType.Error);

Answer: A

Explanation:

MNEMONIC RULE: "RunWithElevatedPrivileges"

SPSecurity.RunWithElevatedPrivileges Method

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.spsecurity.runwithelevatedprivileges.aspx](http://msdn.microsoft.com/enus/library/microsoft.sharepoint.spsecurity.runwithelevatedprivileges.aspx)

Question: 29

You need to connect two Web Parts by using the IWebPartRow interface.
Which method should you use?

- A. GetFieldValue
- B. DataItem
- C. GetRowData
- D. GetTableData

Answer: C

Explanation:

MNEMONIC RULE: "iWebPartRow = GetRowData"

Returns the data for the row that is being used by the interface as the basis of a connection between two WebPart controls.

IWebPartRow.GetRowData Method

[http://msdn.microsoft.com/enus/](http://msdn.microsoft.com/enus/library/system.web.ui.webcontrols.webparts.iwebpartrow.getrowdata.aspx)

[library/system.web.ui.webcontrols.webparts.iwebpartrow.getrowdata.aspx](http://msdn.microsoft.com/enus/library/system.web.ui.webcontrols.webparts.iwebpartrow.getrowdata.aspx)

Question: 30

You create a Web Part that programmatically updates the description of the current SharePoint site. The Web Part contains the following code segment. (Line numbers are included for reference only.)

```
01 SPSecurity.RunWithElevatedPrivileges (delegate()
02 {
03     SPSite currSite = SPContext.Current.Site ;
04     SPWeb currWeb = SPContext.Current.Web ;
05     using (SPSite eSite = new SPSite ( currSite.ID ) )
06 {
07     using (SPWeb eWeb = eSite.OpenWeb ( currWeb.ID ) )
08 {
09     Web.AllowUnsafeUpdates = true;
10     currWeb.Description = "Test";
11     currWeb.Update ();
12     eWeb.AllowUnsafeUpdates = false;
13 }
14 }
15 }
16 };
```

Users report that they receive an Access Denied error message when they use the Web Part. You need to ensure that all users can use the Web Part to update the description of the current site.

What should you do?

- A. Remove lines 10 and 11.
- B. Remove lines 09 and 12.
- C. Change lines 09 and 12 to use the currWeb variable.
- D. Change lines 10 and 11 to use the eWeb variable.

Answer: D

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Question: 31

You have a SharePoint solution that contains a custom site column and a custom content type. You need to add the custom site column as a lookup field for the custom content type. What should you create?

- A. a Feature activation dependency
- B. a new module
- C. a new Feature event receiver
- D. a new SharePoint mapped folder

Answer: C

Explanation:

MNEMONIC RULE: "Feature event receiver"

Walkthrough: Add Feature Event Receivers

<http://msdn.microsoft.com/en-us/library/ee231604.aspx>

Question: 32

You create two custom lists named Offices and Rooms.

Rooms has the following columns:

Title

Capacity

Equipment

Offices has the following columns:

Title

Rooms (a lookup to the Title column in the Rooms list)

Rooms: Capacity

Rooms: Equipment

You need to perform a Representational State Transfer (REST) query that returns a list of all the offices that have rooms with a capacity of 10. The query results must include the room titles and the equipment in each room.

Which URL should you choose?

- A. `/_vti_bin/ListData.svc/Offices $expand=Rooms&$filter=Rooms/Capacity eq 10`
- B. `/_vti_bin/ListData.svc/Offices &$filter=Rooms/Capacity eq 10`
- C. `/_vti_bin/ListData.svc/Rooms $expand=Offices&$filter=Rooms/Capacity eq 10`
- D. `/_vti_bin/ListData.svc/Rooms &$filter=Offices/Capacity eq 10`

Answer: A

Explanation: Section: (none)

MNEMONIC RULE: "Offices - Rooms - Rooms/Capacity"

You can use the Expand method to navigate from one entity to a related entity.

You can append query strings to the URLs in order to specify filter criteria or query logic.
Using the REST Interface
<http://msdn.microsoft.com/en-us/library/ff798339.aspx>

Question: 33

You need to delete the previous versions of all documents in a document library. The deleted versions of the documents must be retained in the SharePoint Recycle Bin. What should you do?

- A. For the document library, call the Delete method.
- B. For the document library, call the Recycle method.
- C. For each document, call the DeleteAll method of the Versions property.
- D. For each document, call the RecycleAll method of the Versions property.

Answer: D

Reference: MNEMONIC RULE: "all previous versions to Recycle Bin = RecycleAll of the Versions"
Recycles the version collection except for the current version.
SPListItemVersionCollection.RecycleAll Method
<http://msdn.microsoft.com/enus/library/microsoft.sharepoint.splistitemversioncollection.recycleall.aspx>

Question: 34

You need to create a Web Part that displays all content created by a specific user. You write the following code segment. (Line numbers are included for reference only.)

```
01 private void keywordQueryExecute (string searchAuthor )
02 {
03     KeywordQuery kRequest = new KeywordQuery ( ServerContext.Current );
04
05     kRequest.QueryText = strQuery ;
06     ResultTableCollection resultTbls = kRequest.Execute () ;
07 }
```

Which code segment should you add at line 04?

- A. string strQuery - "SELECT Title, Rank, Write, Url FROM SCOPE()
WHERE docID - " + searchAuthor ;
- B. string strQuery = "author:" + searchAuthor;
- C. string strQuery = "SELECT Title, Rank, Write, Url FROM SCOPE ()
WHERE author - " + searchAuthor ;
- D. string strQuery * " doc ID:" + searchAuthor ;

Answer: B

Explanation:

Reference: MNEMONIC RULE: "KeywordQuery =no SQL!"
Property Restriction Keyword Queries
<http://msdn.microsoft.com/en-us/library/ff394509.aspx>

Question: 35

You need to create a Web Part that adds a term set to the current SharePoint site collection's term store. You write the following code segment. (Line numbers are included for reference only.)

```
01 TaxonomySession session = new TaxonomySession ( SPContext.Current.Site );
02 TermSet addedTerm = session.TermStores [0] .Groups
[" MyNewTermStore " ] . CreateTermSet ( txtBoxTermSetToAdd.Text ) ;
03
```

Which code segment should you add at line 03?

- A. addedTerm.TermStore.CommitAll ();
- B. addedTerm.Export ();
- C. SPContext.Current.Web.AllowUnsafeUpdates = true;
- D. SPContext.Current.Site.WebApplication.Update ();

Answer: A

Question: 36

You need to create a custom content type and specify the content type ID. What should you do?

- A. Call the Lists Web service.
- B. Create a custom Feature.
- C. Call the Webs Web service.
- D. Create a new module.

Answer: B

Explanation:

MNEMONIC RULE: "custom Feature for custom content type"

Create Custom Content Types in SharePoint 2010

<http://msdn.microsoft.com/en-us/library/ff630942.aspx>

Question: 37

You plan to create a custom Web Part that displays items from a custom SharePoint list named Project. You need to ensure that you can access the list by using strongly-typed objects in Microsoft Visual Studio 2010. What should you do first?

- A. Run ecmangen.exe.
- B. Run spmetal.exe.
- C. Edit the web.config file,
- D. Edit the Manifest.xml file.

Answer: B

Question: 38

You have a SharePoint site collection that contains 100 sites. Each site contains 100 lists. You need to retrieve all item

titles from all lists. The data must be retrieved in the minimum amount of time.
Which access method should you use?

- A. SPList.Items
- B. SPListItemCollection.GetDataTable
- C. SPSiteDataQuery
- D. ListData.svc

Answer: C

Explanation:

MNEMONIC RULE: "100 sites = SPSTite"

The data must be retrieved in the minimum amount of time; therefore, SPSTiteDataQuery

SPSTiteDataQuery Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spsitedataquery.aspx>

Question: 39

You have a SharePoint site collection that has the URL <http://contoso/sites/finance>. You are creating a Microsoft .NET Framework console application that will use the SharePoint client object model to create a site in the site collection. The application contains the following code segment. (Line numbers are included for reference only.)

```
01 ClientContext cCtx = new ClientContext("http://contoso/sites/finance");
02 Web root = cCtx.Site.RootWeb;
03 cCtx.Load(root);
04 WebCreationInformation webInfo = new WebCreationInformation();
05 webInfo.Title = "site1";
06 webInfo.Url = "site1";
07 webInfo.WebTemplate = "MPS#2";
08 root.Webs.Add(webInfo);
09
10 cCtx.Dispose();
```

You need to ensure that the application creates the site.

Which code segment should you add at line 09?

- A. cCtx.Site.RootWeb.Update ();
- B. cCtx.ExecuteQuery ();
- C. root.Context.Dispose ();
- D. coot.Update ();

Answer: B

Explanation: MNEMONIC RULE: "Execute your Query"

Executes the current set of data retrieval queries and method invocations.

How to: Work with Web Sites

<http://msdn.microsoft.com/en-us/library/ee535521.aspx>

Question: 40

You create a Web Part that queries a list.

The Web Part contains the following code segment. (Line numbers are included for reference only.)

```

01 protected override void Render( HtmlTextWriter writer)
02 {
03 SPUserToken splnToken = GetTheContext ( SPContext.Current.Site );
04 using (SPSite aSite = new SPSite ( curSiteCtx.ID , splnToken ) )
05 {
06
07 }
08 }
09 private SPUserToken GetTheContext ( SPSite nWeb )
10 {
11 nWeb.CatchAccessDeniedException = false;
12 SPUserToken spToken = null;
13 try
14 {
15 spToken = nWeb.SystemAccount.UserToken ;
16 }
17 catch ( UnauthorizedAccessException )
18 {
19
20 }
21 return spToken;
22 }

```

You need to ensure that users without permissions to the list can view the contents of the list from the Web Part. Which code segment should you add at line 19?

- A. `SPSecurity.RunWithElevatedPrivileges(delegate()`
`{`
`using (SPSite eSite = new SPSite(nWeb.ID))`
`{`
`spToken = nWeb.SystemAccount.UserToken;`
`}`
`}`
- B. `SPSecurity.RunWithElevatedPrivileges(delegate()`
`{`
`using (SPSite eSite = new SPSite(nWeb.ID))`
`{`
`spToken = SPContext.Current.Web.CurrentUser.UserToken;`
`}`
`}`
- C. `spToken = nWeb.RootWeb.AllUsers[SPContext.Current.Web.Name].UserToken;`
- D. `spToken = nWeb.RootWeb.AllUsers[WindowsIdentity.GetCurrent().Name].UserToken;`

Answer: A

Explanation:

MNEMONIC RULE: "UnauthorizedAccessException = RunWithElevatedPrivileges = SystemAccount"

Answer A is the only one that will give us a SystemAccount token from within RunWithElevatedPrivileges statement.

That's what we are trying to get in case UnauthorizedAccessException occurs.

Question: 41

You create a custom field type and a CustomFieldControl.ascx user control. You need to write the code-behind of the CustomFieldControl.ascx user control.

Which object should you override?

- A. SPFieldText
- B. BaseFieldControl
- C. SPFieldCalculated
- D. WebPart

Answer: B

Explanation:

MNEMONIC RULE: "CustomFieldControl = BaseFieldControl"

Renders a field on a form page (not a list view page) by using one or more child controls such as a label, link, or text box control.

BaseFieldControl Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.webcontrols.basefieldcontrol.aspx>

Question: 42

You have a SharePoint list named Projects and a site column named PrivateColumn. You need to prevent users from adding PrivateColumn to the Projects list. Users must be able to add any other site column to the Projects list.

What should you do?

- A. Create an event receiver that inherits SPListEventReceiver and override FieldAdded.
- B. Create an event receiver that inherits SPListEventReceiver and override FieldAdding.
- C. Create an event receiver that inherits SPItemEventReceiver and override ItemAdded.
- D. Create an event receiver that inherits SPItemEventReceiver and override ItemAdding.

Answer: B

Explanation:

MNEMONIC RULE: "FieldAdding to a List"

Question: 43

You create a Business Connectivity Services (BCS) object model in Microsoft Visual Studio 2010. The model connects to an XML file. You create an external list that displays the BCS entity. You need to ensure that users can delete items from the external list.

What should you do?

- A. Create a custom method and specify the method as a Deleter method instance.
- B. Call the SPListItem.Delete() method.
- C. Call the SPList.Delete() method.
- D. Create a custom method and specify the method as a Disassociator method instance.

Answer: A

Explanation:

MNEMONIC RULE: "Deleter method"

XML Snippet: Modeling a Deleter Method

<http://msdn.microsoft.com/en-us/library/ff464327.aspx>

Code Snippet: Execute the Deleter Method Instance of an External Content Type

<http://msdn.microsoft.com/en-us/library/ff464351.aspx>

Question: 44

You need to create a Web Part that verifies whether a user who accesses the Web Part page is a member of a group named Group1.

Which code condition should you use?

- A. `SPContext.Current.Web.Groups("Group1").ContainsCurrentUser`
- B. `SPContext.Current.Web.SiteUsers`
- (`SPContext.Current.Web.CurrentUser.ID`).Groups("Group1") == null
- C. `SPContext.Current.Web.SiteUsers`
- (`SPContext.Current.Web.CurrentUser.ID`).Groups("Group1") = null
- D. `SPContext.Current.Web.Users("Group1").IsDomainGroup`

Answer: A

Explanation:

MNEMONIC RULE: ContainsCurrentUser

Gets a Boolean value that indicates whether the group contains the current user, included either through director indirect membership.

SPGroup.ContainsCurrentUser Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spgroup.containscurrentuser.aspx>

Question: 45

You create a workflow named WF1. WF1 is attached to a list named List1. You need to receive an e-mail notification if WF1 is postponed.

What should you do?

- A. Use a HandleExternalEvent activity in WF1.
- B. Attach an SPWorkflowEventReceiver event receiver to List1.
- C. Attach an SPItemEventReceiver event receiver to List1.
- D. Use a ReceiveActivity activity in WF1.

Answer: B

Explanation:

MNEMONIC RULE: "Workflow = SPWorkflowEventReceiver"

The SPWorkflowEventReceiver class handles workflow events throughout the lifetime of a workflow.

Starting: Occurs when a workflow is starting

Started: Occurs when a workflow is started

Postponed: Occurs when a workflow is postponed

Completed: Occurs when a workflow is completed

You can register the SPWorkflowEventReceiver with any site, list, or content type. Apress - SharePoint 2010 as a Development Platform (book)

Question: 46

You are creating a custom workflow action that will be used in Microsoft SharePoint Designer reusable workflows. The action will programmatically create a SharePoint site named Site1 at a specific URL.

You need to ensure that users can specify the URL of Site1 in the action.

What should you use?

- A. the DependencyProperty class
- B. the SPPersistedObject class
- C. the SPWorkflowActivationProperties.InitiationData property
- D. the OnWorkflowActivated.WorkflowProperties property

Answer: A

Explanation:

MNEMONIC RULE: "specify DependencyProperty"

Using Dependency Properties

[http://msdn.microsoft.com/en-us/library/ms734499\(v=vs.90\).aspx](http://msdn.microsoft.com/en-us/library/ms734499(v=vs.90).aspx)

Question: 47

You need to create a timer job that queries a list. What should you do?

- A. Create a class that inherits SPJobDefinition and override the Execute method.
- B. Create a class that inherits SPServiceApplication and override the Provision method.
- C. Create a class that inherits SPServiceApplication and override the ProvisionInstances method.
- D. Create a class that inherits SPJobDefinition and override the Provision method.

Answer: A

Explanation:

MNEMONIC RULE: "Execute timer job"

Next, and the most important thing, is to override Execute() method. This method is called each time when the job is fired, so it should contain all the logic to accomplish what you expect from the job.

SPJobDefinition as the way to create scheduled tasks

<http://tomaszrabinski.pl/wordpress/2010/05/27/spjobdefinition-as-the-way-to-create-scheduledtasks/>

Question: 48

You create a custom workflow by using Microsoft Visual Studio 2010. You need to specify a custom InfoPath workflow initiation form in the workflow element manifest file. Which attribute should you configure?

- A. Association_FormURN
- B. Instantiation_FieldML
- C. Instantiation_FormURN
- D. InstantiationUrl

Answer: C

Explanation:

MNEMONIC RULE: "initiation form = Instantiation_FormURN"

Specifies the URN of the Microsoft InfoPath 2010 form to use to initiate the workflow. Instantiation_FormURN Element (Workflow) - ECM

<http://msdn.microsoft.com/en-us/library/aa672715.aspx>

Question: 49

You need to create a Web Part that displays all of the permission levels of the current subsite. Which collection should you use?

- A. SPContext.Current.Web.Properties
- B. SPContext.Current.Web.Permissions
- C. SPContext.Current.Web.RoleAssignments
- D. SPContext.Current.Web.RoleDefinitions

Answer: D

Explanation: MNEMONIC RULE: "permission levels = RoleDefinitions"

The role definition, or permission level, is the list of rights associated with the role.

Role Assignments, Role Definitions, and Inheritance

<http://msdn.microsoft.com/en-us/library/ms414036.aspx>

Question: 50

You plan to create a custom approval workflow. The workflow approvers will enter their employee number in the edit task form. You need to ensure that the onTaskChanged1_Invoked method of the workflow retrieves the value of the employee number.

Which object should you use?

- A. SPWorkflowTaskProperties.ExtendedProperties
- B. SPWorkflowTaskProperties.Properties
- C. SPWorkflowActivationProperties.Item
- D. SPWorkflowActivationProperties.TaskUstId

Answer: A

Explanation:

MNEMONIC RULE: "onTaskChanged1 = SPWorkflowTaskProperties.ExtendedProperties"

There is no Properties member in SPWorkflowTaskProperties class.

Gets a hash table that represents the collection of extended task properties as name/value pairs.

SPWorkflowTaskProperties Properties

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.workflow.spworkflowtaskproperties_properties.aspx](http://msdn.microsoft.com/enus/library/microsoft.sharepoint.workflow.spworkflowtaskproperties_properties.aspx)

Question: 51

You are running a default installation of Microsoft Visual Studio 2010. You have a user control named Control.ascx.

You need to convert the user control to a Web Part that will be hosted in a Microsoft SharePoint Server 2010 farm. The

Web Part must be packaged as a sandboxed solution.
What should you do?

- A. Create a new Web Part and reuse the code from the existing MyControl.ascx file.
- B. Import the user control into a new Visual Web Part and use the existing MyControl.ascx file.
- C. Modify the SafeControls section of the web.config file.
- D. Copy the Control.ascx file to the ControlTemplates folder.

Answer: A

Explanation: MNEMONIC RULE: "Create a new Web Part"

Since you already have a user control, you don't need to create a Visual Web Part (by dragging and dropping user controls from the Toolbox).

Question: 52

You create a Web Part that updates a list.

You need to ensure that users can use the Web Part to update the list, regardless of the users' permissions to the list.
What should you use in the Web Part?

- A. the SPSecurity.AuthenticationMode property
- B. the SPSecurity.CatchAccessDeniedException property
- C. the SPSecurity.RunWithElevatedPrivileges method
- D. the SPSecurity.SetApplicationCredentialKey method

Answer: C

Explanation:

MNEMONIC RULE: "regardless of permissions = RunWithElevatedPrivileges"

SPSecurity.RunWithElevatedPrivileges Method

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.spsecurity.runwithelevatedprivileges.aspx](http://msdn.microsoft.com/enus/library/microsoft.sharepoint.spsecurity.runwithelevatedprivileges.aspx)

Question: 53

You are creating two Web Parts named WPMaster and WPDetails.

You need to ensure that when an item is selected from WPMaster, the details of the item are displayed in WPDetails.
This must occur without requiring WPDetails to retrieve the existing item from the data source.

What should you implement in WPMaster?

- A. IWebActionable
- B. IWebPartTable
- C. IListProvider
- D. IWebPartRow

Answer: D

Question: 54

You have a SharePoint site collection. The default master page for the site collection displays a navigation bar on the left side of the page. You create a custom content page. You need to hide the navigation bar on only the custom content page. What should you do?

- A. On the default master page, remove the ContentPlaceHolder control that has the ID PlaceholderLeftNavBar.
- B. On the default master page, set the Visible attribute to False in the ContentPlaceHolder control that has the ID PlaceholderLeftNavBar.
- C. Add an empty Content control to the custom content page and set the ContentPlaceHolderID attribute to PlaceholderLeftNavBar.
- D. Add a Content control to the custom content page, set the ContentPlaceHolderID attribute to PlaceholderLeftNavBar, and set the Visible attribute to False.

Answer: C

Explanation:

MNEMONIC RULE: "Empty Content control"

Share Pointers: Using a Page Layout to Hide the Left Navigation

<http://www.sdtimes.com/>

SHARE_POINTERS_USING_A_PAGE_LAYOUT_TO_HIDE_THE_LEFT_NAVIGATION/

By_Ryan_Keller/33596

Question: 55

You have a SharePoint site. The current master page of the site is v4.master. You create a custom master page named MyMasterPage.master. You deploy the master page to /_catalogs/masterpage/. You need to apply the custom master page to only the content pages of the site. What should you do?

- A. Rename the custom master page as v4.master and overwrite /_catalogs/masterpage/v4.master.
- B. Rename the custom master page as v4.master and overwrite \14\TEMPLATE\GLOBAL\v4.master.
- C. Set the MasterUrl property and CustomMasterUrl property of the site to /_catalogs/masterpage/MyMasterPage.master.
- D. In the @Page directive of each page layout, set the MasterPageFile attribute to /_catalogs/masterpage/MyMasterPage.master.

Answer: C

Explanation:

MNEMONIC RULE: "MasterUrl and CustomMasterUrl"

At runtime, the value in this property replaces the ~masterurl/default.master token in content pages.

SPWeb.MasterUrl Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spweb.masterurl.aspx>

At runtime, the value in this property replaces the ~masterurl/custom.master token in content pages.

SPWeb.CustomMasterUrl Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spweb.custommasterurl.aspx>

Question: 56

You create a Feature named Feature1. Feature1 is activated in a SharePoint site. You create a Web Part that contains the following code.

```
Dim site As New SPSite("http://intranet/site1")
```

```
Dim web As SPWeb = site.OpenWeb()
```

```
Dim feature As SPFeatureDefinition = SPFarm.Local.FeatureDefinitions("Feature1")
```

You need to modify the Web Part to activate Feature1 in Site1 only. Which code segment should you add to the Web Part?

- A. site.Features.Add(feature.Id)
- B. site.WebApplication.WebService.Features.Add(feature.Id)
- C. web.Features.Add(feature.Id)
- D. web.Site.WebApplication.WebService.Features.Add(feature.Id)

Answer: C

Explanation:

MNEMONIC RULE: "add feature to http://intranet/site1"

This question is confusing. site object is a SharePoint site collection with http://intranet/site1 being the root site (or root web) of this collection.

The statement "activate Feature1 in Site1 only" makes it unclear how to treat "Site1" -- as a site collection or as a root web.

However, the second sentence of this question states: "Feature 1 is activated in SharePoint site".

Well, SPWeb class represents SharePoint website.

That's why I picked Answer C, and you are free to disagree with me.

It is possible that Answer A is the correct one for this question.

Question: 57

Using Microsoft Visual Studio 2010, you create a custom workflow action named WF1 that copies the content of a document library to another document library.

WF1 is used in a Microsoft SharePoint Designer reusable workflow.

You need to ensure that the workflow action can be deployed to multiple sites.

Where should you define the workflow action?

- A. the ReplicatorActivity activity
- B. the Elements.xml file
- C. the WF1.actions file
- D. the SPPersistedObject object

Answer: B

Explanation:

MNEMONIC RULE: "Elements.xml"

Sandboxed workflow activities in SharePoint 2010

<http://www.wictorwilén.se/Post/Sandboxed-workflow-activities-in-SharePoint-2010.aspx>

Question: 58

You have a SharePoint list named Assets that contains 1,000,000 items. The list contains a column named Urgent. Approximately 100 items have a value of True in their Urgent column. You use the following line of code to retrieve the Assets list.

```
SPList assetsList = currentUeb.Lists ["assets"];
```

You need to retrieve all of the items in the list that have a value of True in their Urgent column. You must retrieve the items in the minimum amount of time.

What should you do?

- A. Iterate through the assetsList .Fields collection.
- B. Call assetsLists. GetItems and specify theSPQuery parameter.
- C. Call assetsList. Items.GetDataTable () and retrieve DataRowCollection .
- D. Iterate through the assetsList .Items collection.

Answer: B

Explanation:

MNEMONIC RULE: "SPQuery for minimum time"

SPQuery Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spquery.aspx>

SPquery in Sharepoint 2010 – Tutorial

<http://www.learningsharepoint.com/2010/07/18/spquery-in-sharepoint-2010-tutorial/>

Question: 59

You need to create a Web Part that creates a copy of the out-of-the-box Contribute permission level. Which code segment should you implement in the Web Part?

- A. `SPRoleDefinition myRole = new SPRoleDefinition();`
`myRole.Name = "Contribute";`
`SPContext.Current.Web.RoleDefinitions.Add(myRole);`
- B. `SPRoleDefinition myRole = new SPRoleDefinition(SPContext.Current.Web.`
`RoleDefinitions["Contribute"]);`
`myRole.Name = "MyContribute";`
`SPContext.Current.Web.RoleDefinitions.Add(myRole);`
- C. `SPRoleDefinition myRole = new SPRoleDefinition(SPContext.Current.Web.`
`RoleDefinitions["MyContribute"]);`
`myRole.Description = "Contribute";`
`SPContext.Current.Web.RoleDefinitions.Add(myRole);`
- D. `SPRoleDefinition myRole = new SPRoleDefinition(SPContext.Current.Web.`
`RoleDefinitions["MyContribute"]);`
`myRole.Name = "Contribute";`
`SPContext.Current.Web.RoleDefinitions.Add(myRole);`

Answer: B

Explanation:

MNEMONIC RULE: "RoleDefinitions("Contribute")"

Question: 60

You plan to develop a Web Part that displays a SharePoint list.

The Web Part will verify the list permissions when users access by using the `web.CurrentUser`.

`DoesUserHavePermissions` method.

You need to ensure that when users do not have permissions to the list, the Web Part displays the company's logo.

Which code segment should you add to the Web Part?

- A. `RunWithElevatedPrivileges`
- B. `web.AllowUnsafeUpdates= true;`
- C. `web.CurrentUser.RequireRequestToken = false;`
- D. `web.ValidateFormDigest();`

Answer: A

Explanation:

MNEMONIC RULE: "DoesUserHavePermissions = RunWithElevatedPrivileges"

You need to elevate your privileges to check on current user's permissions.

`DoesUserHavePermissions?`

<http://www.shannonbray.com/2010/01/doesuserhavepermissions.html>

Question: 61

You plan to create one provider Web Part and two consumer Web Parts.

You need to ensure that the consumer Web Parts can receive data from the provider Web Part. You create an interface that contains the following code segment:

```
public interface Interface1
{
    string Parameter1 { get; set; }
}
```

What should you do next?

- A. Create a set accessor for `Parameter1`.
- B. Create a second interface and use it to communicate with the provider Web Part.
- C. Implement `Interface 1` in the provider Web Part.
- D. Implement `IWebPartField` in the provider Web Part.

Answer: C

Explanation:

MNEMONIC RULE: "Implement Interface1"

Walkthrough: Creating Connectable Web Parts in SharePoint Foundation

<http://msdn.microsoft.com/en-us/library/ms469765.aspx>

SharePoint 2010 Provider Consumer Web Parts

<http://johanolivier.blogspot.com/2010/08/sharepoint-2010-provider-consumer-web.html>

Question: 62

You create custom code to import content to SharePoint sites.

You create a custom site definition by using Microsoft Visual Studio 2010.

You need to ensure that when a new site that uses the custom site definition is created, the custom code executes after the site is created.

Which class should you add to the project?

- A. SPEmailEventReceiver
- B. SPWebProvisioningProvider
- C. SPItemEventReceiver
- D. SPChangeFile

Answer: B

Explanation:

MNEMONIC RULE: "new site created = SPWebProvisioningProvider"

Provides a handler for responding to Web site creation.

SPWebProvisioningProvider Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spwebprovisioningprovider.aspx>

Question: 63

You develop a custom master page. You need to ensure that all pages that use the master page contain a specific image. Page developers must be able to change the image on individual pages. The master page must be compatible with the default content page. What should you add to the master page?

- A. a ContentPlaceholder control
- B. a Delegate control
- C. a Placeholder control
- D. an HTML Div element

Answer: A

Explanation:

MNEMONIC RULE: "master page = ContentPlaceholder"

Defines a region for content in an ASP.NET master page.

ContentPlaceholder Class

<http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.contentplaceholder.aspx>

Question: 64

You have several SharePoint sites.

You plan to load a custom script in all pages of the sites.

You need to ensure that you can activate or deactivate the script at the site level.

What should you do?

- A. Create a site definition and modify the CustomJSUrl attribute in the Onet.xml file.
- B. Create a site definition and modify the <system.web> element in the web.config file.
- C. Create a user control that contains the script. Create a Feature that overrides the ControlArea delegate control.
- D. Create a user control that contains the script. Create a Feature that overrides the AdditionalPageHead delegate control.

Answer: D

Explanation:

MNEMONIC RULE: AdditionalPageHead

The delegate control resides in the AdditionalPageHead control on the page. It registers some ECMAScript(JavaScript, JScript) on the page.

How to: Customize a Delegate Control

<http://msdn.microsoft.com/en-us/library/ms470880.aspx>

Question: 65

You are creating a Web Part in SharePoint Server 2010.

You need to ensure that the Web Part can send data to another Web Part.

Which interface should you implement?

- A. IWebPartField
- B. IQueryable
- C. ISerializable
- D. IWebEditable

Answer: A

Explanation:

MNEMONIC RULE: "Web Part send data = IWebPartField"

Defines a provider interface for connecting two server controls using a single field of data. This interface is designed to be used with Web Parts connections. In a Web Parts connection, two servercontrols that reside in a WebPartZoneBase zone establish a connection and share data, with one control acting as the consumer and the other control acting as a provider.

IWebPartField Interface

<http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webparts.iwebpartfield.aspx>

Question: 66

You create a sandboxed solution that contains a Web Part.

You need to debug the Web Part by using Microsoft Visual Studio 2010.

To which process should you attach the debugger?

- A. w3wp.exe
- B. owstimer.exe
- C. spucworkerprocess.exe
- D. spucworkerprocessproxy.exe

Answer: C

Explanation:

MNEMONIC RULE: "Sandbox worker needs no proxy"

To provide additional protection, the solution's assembly is not loaded into the main IIS process (w3wp.exe).

Instead, it is loaded into a separate process (SPUCWorkerProcess.exe).

Sandboxed Solution Considerations

<http://msdn.microsoft.com/en-us/library/ee231562.aspx>

If the project type lets you change the Sandboxed Solution property and its value is set to true, then the debugger attaches to a different process (SPUCWorkerProcess.exe).

Debugging SharePoint Solutions

<http://msdn.microsoft.com/en-us/library/ee231550.aspx>

Question: 67

You create a Web Part that calls a function named longCall.

You discover that longCall takes a long time to execute.

You need to display in the Developer Dashboard how long it takes to execute longCall. Which code segment should you use?

- A. `DateTime startTime = DateTime.Now;`
`longCall();`
`Trace.Write("Long Call " + DateTime.Now.Subtract(startTime).Seconds);`
- B. `DateTime startTime = DateTime.Now;`
`longCall();`
`Trace.TraceWarning("Long Call " + DateTime.Now.Subtract(startTime).Seconds);`
- C. `Monitor.Enter("Long Call");`
`if (true)`
`{`
`longCall();`
`}`
`Monitor.Exit("Long Call");`
- D. `using (SPMonitoredScope monitoredScope = new SPMonitoredScope("Long Call"))`
`{`
`longCall();`
`}`

Answer: D

Explanation:

MNEMONIC RULE: "Developer Dashboard = SPMonitoredScope"

-
-
-

Monitors performance and resource use for a specified scoped block of code. SPMonitoredScope Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.utilities.spmonitoredscope.aspx>

Question: 68

You add a delegate control to the <head> section of a custom master page.

You reference a default script file by using the delegate control.

You need to ensure that the delegate control meets the following requirements:

Prevents other developers from deleting the default script reference

Provides developers with the ability to add additional script references

Provides developers with the ability to change the order of the script references

Which property should you use?

- A. `Template_Controls`
- B. `Scope`
- C. `BindingContainer`
- D. `AllowMultipleControls`

Answer: D

Explanation:

MNEMONIC RULE: "additional script references = AllowMultipleControls"

DelegateControl.AllowMultipleControls Property

<http://msdn.microsoft.com/enus/>

<library/microsoft.sharepoint.webcontrols.delegatecontrol.allowmultiplecontrols.aspx>

Question: 69

You create a Web Part named WP1.

You need to ensure that the name of the Web Part displays as Corporate in SharePoint. What should you do?

- A. Rename WP1.webpart as Corporate.webpart.
- B. In WP1.webpart, change the Title property to Corporate.
- C. In the constructor of WP1.cs, add the following line of code:
Page.Title="Corporate";
- D. In the Elements.xml file, change the Name property of the <File> element to Corporate.

Answer: B

Explanation:

MNEMONIC RULE: "Title property to Corporate"

Web Parts Control Description Files

<http://msdn.microsoft.com/en-us/library/ms227561.aspx>

Question: 70

You have a SharePoint site that has the URL <http://contoso.com/hr>.

You are creating a new Web Part.

You need to create a reference to the current subsite without having to dispose of any returned objects.

Which code segment should you use?

- A. `SPSite siteCollection = new SPSite("http://www.contoso.com");`
`SPWebCollection site = siteCollection.AllWebs;`
- B. `SPSite siteCollection = new SPSite("http://www.contoso.com");`
`SPWeb site = siteCollection.RootWeb;`
- C. `SPSite site = SPContext.Current.Site;`
- D. `SPWeb site = SPContext.Current.Web;`

Answer: A

Explanation:

MNEMONIC RULE: "One-line SPWeb"

NEVER dispose of anything created with the use of SPContext objects, so your choice is now limited to answers C and D.

Since you need a reference to the subsite (in SharePoint world, subsite = web), answer D is correct.

SPContext objects are managed by the SharePoint framework and should not be explicitly disposed in your code. This is true also for the SPSite and SPWeb objects returned by SPContext.Site, SPContext.Current.Site, SPContext.Web, and

SPContext.Current.Web.
Disposing Objects
<http://msdn.microsoft.com/en-us/library/ee557362.aspx>

Question: 71

You have a SharePoint site that contains 10 lists.
You need to prevent a list named List1 from appearing on the Quick Launch navigation bar.
What should you configure?

- A. the QuickLaunchEnabled property of the site
- B. the Hidden property of List1
- C. the OnQuickLaunch property of List1
- D. the Navigation.QuickLaunch.Parent.IsVisible property of the site

Answer: C

Explanation:
MNEMONIC RULE: "Do you want to see the list on Quick Launch?"
Gets or sets a Boolean value that specifies whether the list appears on the Quick Launch area of the homepage.
SPList.OnQuickLaunch Property
<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.splist.onquicklaunch.aspx>

Question: 72

You create a Feature.
You need to add an item to the context menu of a list.
Which type of element should you use?

- A. a ListInstance
- B. a ListTemplate
- C. a CustomAction
- D. a Module

Answer: C

Explanation:
MNEMONIC RULE: "context menu item = CustomAction"
A custom action can be added inside a secondary XML file, part of a normal feature. It is defined by a "CustomAction" element type.
How to add a custom action to list elements context menu
<http://www.dev4side.com/community/technical-articles/sharepoint-2007/how-to-add-a-customaction-listelements-context-menu.aspx> to-

Question: 73

You have a Web page named ShowMessage.aspx.
You create a new Web page.
You need to display the content from ShowMessage.aspx in an IFRAME on the new Web page.
You must achieve this goal by using the minimum amount of effort.

What should you do?

- A. Add a PageView Web Part that displays ShowMessage.aspx.
- B. Use Response.Write to write text to the browser. F
- C. Use SP.UI.ModalDialog.showModalDialog() to display a dialog.
- D. Use Response.Redirect to send users to the ShowMessage.aspx page.

Answer: C

Explanation:

MNEMONIC RULE: "SP.UI will get you IFRAME"

html property of SP.UI.DialogOptions can render an IFRAME tag pointing to the appropriate URL.

Using the Dialog framework in SharePoint 2010

<http://www.chaholl.com/archive/2010/11/17/using-the-dialog-framework-in-sharepoint-2010.aspx>

Question: 74

You are creating a Web Part. The Web Part will be used in a SharePoint subsite that has the URL <http://www.contoso.com/hr>.

You need to ensure that the Web Part activates a Feature in the subsite without causing a memory leak. Which code segment should you use?

- A. `SPFeatureCollection featuresCollect = SPContext.Current.SiteFeatures;`
`featuresCollect.Add(new Guid("xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"), true);`
- B. `SPFeatureCollection featuresCollect = SPContext.Current.WebFeatures;`
`featuresCollect.Add(new Guid("xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"), true);`
- C. `SPSite web = new SPSite("http://www.contoso.com/hr");`
`SPFeatureCollection featureCollect = web.Features;`
`featureCollect.Add(new Guid("xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"), true);`
- D. `SPWeb web = new SPSite("http://www.contoso.com/hr").OpenWeb();`
`SPFeatureCollection featureCollect = web.Features;`
`featureCollect.Add(new Guid("xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"), true);`

Answer: B

Explanation:

MNEMONIC RULE: "no memory leak = SPContext; subsite = WebFeatures"

Gets the activated site features of the Microsoft SharePoint Foundation context.

SPContext.WebFeatures Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spcontext.webfeatures.aspx>

Question: 75

You are developing an application page.

You need to create a pop-up window that uses the ECMAScript object mode.

Which class in the SP.UI namespace would you use?

- A. Notify
- B. ModalDialog
- C. PopoutMenu

D. Menu

Answer: B

Question: 76

You have one Web application that contains several SharePoint site collections.

You need to add a custom button to the Documents tab on the Ribbon of one site collection only.

What should you do?

A. Create a new Feature. In a new <CommandUIDefinition> node, specify the location of Ribbon.Tabs._children.

B. Create a new Feature. In a new <CommandUIDefinition> node, specify the location of Ribbon.Documents.Manage.Controls._children.

C. Modify the CMDUI.xml file. In a new <CommandUIDefinition> node, specify the location of Ribbon.Tabs._children.

D. Modify the CMDUI.xml file. In a new <CommandUIDefinition> node, specify the location of Ribbon.Documents.Manage.Controls._children.

Answer: B

Explanation:

MNEMONIC RULE: "create a new feature ... Documents"

You are interested in the group, so search for a group that matches close to the group name "Manage" and also should be present in a tab named "Document". Here you go, the group name location "Ribbon.

Documents.Manage"

Now, since you got your groupname... you have to specify that you are going to add a child control... the syntax is "Controls._children". Hence your complete location is "Ribbon.Documents.Manage.Controls._children"

SharePoint 2010 Ribbon customization: Basics

<http://howtosharepoint.blogspot.com/2010/06/ribbon-basics.html>

Question: 77

You develop a custom master page.

You need to ensure that all pages that use the master page contain a specific image in the same location. Page developers must be able to change the image on individual pages without impacting other pages that use the same master page.

What should you add to the master page?

A. a ContentPlaceHolder control

B. an HTML Div element

C. a Placeholder control

D. an Image control

Answer: A

Explanation: MNEMONIC RULE: "master page = ContentPlaceHolder"

Defines a region for content in an ASP.NET master page.

ContentPlaceHolder Class

<http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.contentplaceholder.aspx>

Question: 78

You have a timer job that has the following constructors. (Line numbers are included for reference only.)

01 public TimerJob1 (): base() {}

02 public TimerJob1(SPWebApplication wApp)

You need to ensure that the timer job runs on only the first available timer server.

Which base class constructor should you use in line 02?

A. base(null, wApp, null/ SPJobLockType.ContentDatabase){}

B. base(null, wApp, null, SPJobLockType.None){}

C. base(" TimerJob1" , wApp, null, SPJobLockType.Job){}

D. base("TimerJob1" , wApp, null, SPJobLockType.None){}

Answer: C

Question: 79

You are developing a Feature that will be used in multiple languages.

You need to ensure that users view the Feature's title and description in the display language of their choice.

What should you create?

A. a site definition

B. multiple Elements.xml files

C. a Feature event receiver

D. multiple Resource (.resx) files

Answer: D

Explanation:

MNEMONIC RULE: "Language Resource"

Using Resource Files (.resx) when developing SharePoint solutions

<http://blogs.msdn.com/b/joshuag/archive/2009/03/07/using-resource-files-resx-when-developingsharepointsolutions.aspx>

Question: 80

You need to send a single value from a consumer Web Part to a provider Web Part.

Which interface should you use?

A. IWebPartField

B. IWebPartRow

C. IWebPartParameters

D. IAlertNotifyHandler

Answer: A

Explanation: MNEMONIC RULE: "single value = field"

Defines a provider interface for connecting two server controls using a single field of data. This interface is designed

to be used with Web Parts connections. In a Web Parts connection, two server controls that reside in a WebPartZoneBase zone establish a connection and share data, with one control acting as the consumer and the other control acting as a provider.

IWebPartField Interface

<http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webparts.iwebpartfield.aspx>

Question: 81

You create a Web Part that contains the following code segment. (Line numbers are included for reference only.)

```
01 public class HebPart1: WebPart
02 {
03     public VebPart1() {}
04
05     protected override void CreateChildControlst)
06 {
07     Button clickButton = new Button(); 08
09     base.CreateChildControls();
10 ]
11
12     protected override void BenderContents(HtrolTextWriter writer)
13 {
14
15     base.RenderContents(writer);
16 }
17 }
```

You discover that the clickButton button does not appear. You need to ensure that the clickButton button appears. What should you do?

- A. Delete line 09.
- B. Add the following code segment to line 08:
Controls.Add(clickButton) ;
- C. Move the code segment from line 07 to line 14.
- D. Add the following code segment to line 14:
EnsureChildControls();

Answer: B

Explanation:

MNEMONIC RULE: "create Button, then Add Button"

Create a Custom Web Part for SharePoint 2010

<http://blog.concurrency.com/sharepoint/create-a-custom-web-part-for-sharepoint-2010/>

SharePoint 2010 Visual Web Parts

<http://httpcode.com/blogs/PermaLink,guid,357e4853-9a75-4962-ad68-1e07bcf40bb8.aspx>

Question: 82

You create a custom list named Products.

You need to perform a Representational State Transfer (REST) query that returns products 30 to 39.

Which URL should you use?

- A. /ListData.svc/Products(30) \$skip=10
- B. /ListData.svc/Products(39) \$skip=30
- C. /ListData.svc/Products \$skip=10&\$top=30
- D. /ListData.svc/Products \$skip=30&\$top=10

Answer: D

Explanation:

MNEMONIC RULE: "skip first 30, get top 10"

Using REST to get data form SharePoint 2010 lists

<http://mysharepointwork.blogspot.com/2010/09/using-rest-to-get-data-form-sharepoint.html>

Question: 83

You are creating a Web Part for SharePoint Server 2010.

The Web Part contains the following code segment. (Line numbers are included for reference only.)

```
01 protected override void CreateChildControls ()
02 {
03     base.CreateChildControls ();
04     SPSecurity.RunWithElevatedPrivileges (
05         delegate
06         {
07             Label ListCount = new Label ();
08             ListCount.Text = String.Format
09             ("There are {0}> Lists", SPContext.Current.Heb.Lists.Count );
10         }
11     }
```

You need to identify which line of code prevents the Web Part from being deployed as a sandboxed solution. Which line of code should you identify?

- A. 04
- B. 09
- C. 08
- D. 03

Answer: A

Explanation:

MNEMONIC RULE: "No RunWithElevatedPrivileges for sandboxed solutions"

Methods in a sandboxed solution cannot be configured to run with the elevated privileges of the user identity in which the application pool runs.

Restrictions on Sandboxed Solutions in SharePoint 2010

<http://msdn.microsoft.com/en-us/library/gg615454.aspx>

Question: 84

You have a Feature that contains an image named ImageV1.png.

You plan to create a new version of the Feature.

You need to ensure that when the Feature is upgraded, the image is renamed as ImageV2.png.

You must achieve this goal by using the minimum amount of development effort.
Which element should you configure in the Feature definition file?

- A. <ApplyElementManifests>
- B. <MapFile>
- C. <CustomUpgradeAction>
- D. <VersionRange>

Answer: B

Explanation:

MNEMONIC RULE: "image file upgrade = MapFile"

MapFile Element (Feature)

<http://msdn.microsoft.com/en-us/library/ff595311.aspx>

Question: 85

You use a custom site definition to create SharePoint sites.
You need to add a Web Part to the home page of the site definition.
Which file should you modify?

- A. Onet.xml
- B. default.master
- C. web.config
- D. Sp.xml

Answer: A

Explanation: MNEMONIC RULE: "third-party site definition = Onet.xml"

You can perform the following kinds of tasks in a custom Onet.xml file that is used for either a custom site definition or a custom web template:

Specify an alternative cascading style sheet (CSS) file, JavaScript file, or ASPX header file for a site definition.

Modify navigation areas for the home page and list pages.

Add a new list definition as an option in the UI.

Define one configuration for the site definition or web template, specifying the lists, modules, files, and Web Parts that are included when the configuration is instantiated.

Specify Features to be included automatically with websites that are created from the site definition or web template.

Understanding Onet.xml Files

<http://msdn.microsoft.com/en-us/library/ms474369.aspx>

Question: 86

You create a SharePoint solution that contains two Features named Feature1 and Feature2. You need to ensure that Feature1 is always activated before Feature2. You must achieve this goal by using the minimum amount of development effort.

What should you do?

- A. From Feature1.feature explorer, add Feature2 to the Feature Activation Dependencies list.
- B. Create a custom Feature receiver for Feature2.
- C. From Feature2.feature explorer, add Feature1 to the Feature Activation Dependencies list.

D. Create a custom Feature receiver for Feature1.

Answer: C

Explanation:

MNEMONIC RULE: "add Feature1 to Feature2.feature explorer"

Activation Dependencies and Scope

<http://msdn.microsoft.com/en-us/library/aa543162.aspx>

Question: 87

You create a Visual Web Part.

You need to add an image to the Web Part. The image must be deployed to the 14\TEMPLATE\IMAGES folder.

What should you do in Microsoft Visual Studio?

- A. Add a SharePoint Layouts mapped folder and create a subfolder named Images.
- B. Create a folder named Images.
- C. Add a SharePoint Images mapped folder.
- D. Create a folder named _Layouts and a subfolder named Images.

Answer: C

Explanation:

MNEMONIC RULE: Images mapped folder

Deploying files using Mapped Folders

<http://blogs.msdn.com/b/vssharepointtoolsblog/archive/2010/03/12/deploying-files-using-mappedfolders.aspx>

Question: 88

You have a Web application named WebApp1.

You have a Feature receiver named FeatureReceiver1. FeatureReceiver1 stores a connection string in the web.config file of WebApp1.

You need to ensure that when FeatureReceiver1 makes configuration changes to web.config, the changes are automatically replicated to all Web servers in the farm.

Which class should you use in FeatureReceiver1?

- A. SPPersistedObject
- B. SPWebConfigModification
- C. SPDiagnosticsService
- D. WebConfigurationManager

Answer: C

Explanation:

MNEMONIC RULE: "web.config modification = SPWebConfigModification"

To apply modifications that you define through the SPWebConfigModification class to the web.config files in the server farm, call the ApplyWebConfigModifications method on the current content Web service object, as follows:

SPWebService.ContentService.ApplyWebConfigModifications

SPWebConfigModification Class

<http://msdn.microsoft.com/enus/library/microsoft.sharepoint.administration.spwebconfigmodification.aspx>

Question: 89

You need to disable the CriticalExceptionCount measure for all sandboxed solutions. You write the following code segment. (Line numbers are included for reference only.)

```
01 SPUserCodeService userCode = SPUserCodeSecvi.ee. Local;
02 SPResourceHeasureCollection measures = userCode.ResourceHeasures ;
03 SPResourceHeasure measure = measures [" CriticalExc eptionCounc "];
04
05 measure.Update ();
```

Which code segment should you add at line 04?

- A. measure.ResourcesPerPoint = 1;
- B. measure. AfosoluteLimit. = 0;
- C. measure.AbsoluteLimit = 1;
- D. measure.ResourcesPerPoint = 0;

Answer: D

Explanation:

MNEMONIC RULE: Zero ResourcesPerPoint

For example, AbnormalProcessTerminationCount has a ResourcesPerPoint value of 1. Every time asandboxed solution terminates abnormally, 1 point is added. If you want to increase the penalty for asandboxed solution that terminates, you can set ResourcesPerPoint to another value, such as

2. You can use 0 if you are not concerned about this metric.

SharePoint 2010 Sandboxed Solutions - Resource Quotas

http://sharepointinnovations.blogspot.com/2011/05/sharepoint-2010-sandboxed-solutions_06.html

Question: 90

You need to add a new field to a provisioned content type. You must propagate the field to child lists and child content types.

What should you use?

- A. <MapFile>
- B. <FieldRefs>
- C. <AddContentTypeField>
- D. <ApplyElementManifests>

Answer: C

Explanation:

MNEMONIC RULE: "field for content type = AddContentTypeField"

AddContentTypeField Element (Feature)

<http://msdn.microsoft.com/en-us/library/ff595314.aspx>

Question: 91

You have a SharePoint site that uses the default search settings.

You create a new Search Center. You need to ensure that the new Search Center is the default Search Center for the site.

What should you modify?

- A. the AllWebs collection of the site collection
- B. the Cache property of the current HttpContext
- C. the AllProperties collection of the site
- D. the Session property of the current HttpContext

Answer: C

Explanation:

MNEMONIC RULE: "AllProperties of the site"

SPWeb.AllProperties Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spweb.allproperties.aspx>

Bloody Stupid SPWeb properties

<http://www.novolocus.com/2010/12/22/stupid-spweb-properties/>

Question: 92

You create an entity named Customer in a Business Connectivity Services (BCS) object mode. You need to ensure that Customer data can be displayed in a Business Data List Web Part.

-
-
-

Which method type should you use?

- A. GenehInvoker
- B. SpecificFinder
- C. Finder
- D. IDEnumerator

Answer: C

Explanation:

MNEMONIC RULE: "Finder for all Customer data"

The first method created is ReadItem, which allows you to retrieve a specific record from the external storebased on an identifier. This is mapped to the XML metadata as a method instance of type "SpecificFinder."

The second method that is created is ReadList, which retrieves all records from the external store.

This is mapped in the XML metadata as a "Finder" method instance. These are the minimum two methods that your entity needs to implement in order to serve as a connector for BCS.

Using Business Connectivity Services in SharePoint 2010

<http://msdn.microsoft.com/en-us/magazine/ee819133.aspx>

Question: 93

You plan to create a workflow that has the following three activities:

CreateTask

OnTaskChanged

CompleteTask

You need to ensure that each time the workflow starts, the three activities are linked to a single task. What should you do?

- A. Create an SPWorkflowEventReceiver event receiver for the SharePoint Tasks list.
- B. Configure all activities to use the same TaskId.
- C. Configure all activities to use the same correlation token.
- D. Create an SPItemEventReceiver event receiver for the SharePoint Tasks list.

Answer: C

Explanation:

MNEMONIC RULE: "Correlation token (to correlate one task with three activities)"

Each specific task within the workflow should have its own correlation token, which each related activity can use to access the same, task-specific information. For example, if in your workflow you want to reference the same task in CreateTask, CompleteTask, and OnTaskChanged activities, you would bind the CorrelationToken property of each of these activities to the same correlation token variable.

Correlation Tokens in Workflows

<http://msdn.microsoft.com/en-us/library/ms475438.aspx>

Question: 94

You develop a custom approval workflow. The workflow uses the CreateTask class to assign tasks to a user named User1. A list called Tasks stores the tasks. Other workflows and users use the Tasks list. You need to ensure that the tasks assigned to User1 can only be viewed by User1.

What should you do?

- A. Set the CreateTask.SpecialPermissions property.
- B. Set the CreateTask.TaskProperties property.
- C. Break the permission inheritance for the Tasks list.
- D. Assign a custom permission level to a group that contains User1.

Answer: A

Explanation:

MNEMONIC RULE: "SpecialPermissions"

CreateTask.SpecialPermissions Property

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.workflowactions.createtask.specialpermissions.aspx](http://msdn.microsoft.com/enus/library/microsoft.sharepoint.workflowactions.createtask.specialpermissions.aspx)

Question: 95

You create a list named List1.

You create two workflows named WF1 and WF2 for List1.

You need to ensure that when a new item is created in List1, WF1 starts automatically. WF2 must start automatically after WF1 completes.

What should you do?

- A. Add a SendActivity activity to WF2.
- B. Add a Replicator activity to WF2.

- C. Create a SPWebEventReceiver event receiver.
- D. Create a SPWorkflowEventReceiver event receiver.

Answer: D

Explanation:

MNEMONIC RULE: "Workflow = SPWorkflowEventReceiver"

The SPWorkflowEventReceiver class handles workflow events throughout the lifetime of a workflow.

Starting: Occurs when a workflow is starting

Started: Occurs when a workflow is started

Postponed: Occurs when a workflow is postponed

Completed: Occurs when a workflow is completed

You can register the SPWorkflowEventReceiver with any site, list, or content type.

Apress - SharePoint 2010 as a Development Platform (book)

Question: 96

You have the following event receiver. (Line numbers are included for reference only.)

```
01 public override void FieldDeleting(SPListEventProperties properties)
02 {
03     base.FieldDeleting(properties);
04
05     if (properties.FieldName == "Status")
06     {
07
08
09     }
10 }
```

You need to cancel the operation and redirect the user to a custom error page if the name of the deleted field is Status.

Which code segments should you add at lines 07 and 08?

A.

```
07 properties.Status = SPEventReceiverStatus.CancelWithRedirectUrl ;
08 properties.RedirectUrl = "/_layouts/ customErrorPage.aspx ";
```

B.

```
07 properties. RedirectUrl = "/ layouts/custoroErrorPage. aspx ";
08 properties.Cancel = true;
```

C.

```
07 properties.ErrorMessage = "<Pedirect URL = */_layouts/ customErrorPage.aspx' />";
08 properties.Cancel = true;
```

D.

```
07 properties.Status = SPEventReceiverStatus.CancelWithRedirectUrl ;
08 properties.ErrorMessage = "<Redirect URL > ' _/ layouts/customErrorPage.aspx ' />";
```

Answer: D

Question: 97

You create a custom page layout that has a field control named Field1.

You need to ensure that Field1 is only visible when users modify the contents of the page.

Which parent control should you use for Field1?

- A. PublishingContext
- B. PageLayoutValidator
- C. EditModePanel
- D. ValidatorAggregator

Answer: C

Explanation:

MNEMONIC RULE: "visible when modify = EditModePanel"

Provides a container that shows or hides its child controls based on the mode of the page. EditModePanel Class

<http://msdn.microsoft.com/enus/>

<library/microsoft.sharepoint.publishing.webcontrols.editmodepanel.aspx>

Question: 98

You are creating an event receiver. The event receiver will have a field named Title and a field named Priority. You write the following code segment for the event receiver. (Line numbers are included for reference only.)

```
01 public override void ItemUpdating ( SPItemEventProperties prop)
02 {
03 base.ItemUpdating (prop);
04
05
06 }
```

You need to ensure that when the Title field is changed to include the word IMPORTANT, the Priority field is set to URGENT.

Which code segments should you add at lines 04 and 05?

- A.


```
04 if ( prop.BeforeProperties ["vti_title "].ToString () .Contains ("IMPORTANT"))
08 prop.AfterProperties ("Priority") = "URGENT";
```
- B.


```
04 iff prop.AfterProperties ["vti_title "].ToString () .Contains ("IMPORTANT"))
05 prop.ListItem ["Priority"] = "URGENT";
```
- C.


```
04 if ( prop.AfterProperties ["vti_title "].ToString () .Contains ("IMPORTANT"))
05 prop.AfterProperties ["Priority"] = "URGENT";
```
- D.


```
04 if ( prop.ListItem ["Title"] . ToString () -Contains ("IMPORTANT"))
05 prop.AfterProperties ["Priority"] = "URGENT";
```

Answer: A

Question: 99

You are creating a custom workflow action to be used in Microsoft SharePoint Designer reusable workflows. The action programmatically creates a SharePoint site named Site1 at a specific URL.

The workflow actions schema file contains the following code segment.

```
<WorkflowInfo>
<Actions Sequential="then" Parallel="and">
<Action Name="Create Site"
ClassName = " SPDActivityDemo.Createsite " Assembly=" SPDActivityDemo , Version=1.0.0.0,
Culture=neutral, PublicKeyToken= 1a4a7a2c3215a71b " AppliesTo ="all" Category="Test">
<Parameters>
```

```
<Parameter Name="Url" Type=" System.String , mscorlib " Direction="Inr' /> <Parameters>
</Action>
</Actions>
</ WorkflowInfo >
```

You need to ensure that users can specify the URL property of the action in SharePoint Designer.
What should you add to the schema of the action?

- A. <Parameter Name=" Url " Type=" System.String , mscorlib " Direction="Out" />
 - B. <Option Name="equals" Value="Equal"/>
 - C. <?xml vecsion"M1.0" encoding-"utf-8" ?>
 - D. < RuleDesigner Sentence="Create site at Ur1 %1.">
- ```
<FieldBlnd Field=" Url " Text=" Url of site" Id="" DesignerType =" TextArea "
```
- ```
</ RuleDesigner >
```

Answer: D

Question: 100

You need to create a custom application that provides users with the ability to create a managed property. The managed property name must be specified in the args [1] parameter.

You write the following code segment for the application.

```
01 SPsite currentSite = new SPsite("http://intranet");
02 SearchContext context = SearchContext.GetContext(currentSite);
03 Schema schema = new Schema(context);
```

Which code segment should you add to the application?

- A. context.SearchApplication.CrawlStores.Create(args[1]);
- B. ManagedPropertyCollection properties = schema.AllManagedProperties;
ManagedProperty newMng = properties.Create(args[1], ManagedDataType.Text);
- C. ManagedPropertyCollection properties = schema.AllManagedProperties;
ManagedProperty newMng = properties.CreateCrawlMonProperty();
newMng.Name = args[1];
- D. schema.AllCategories.Create(args[1], Guid.NewGuid());

Answer: B

Explanation:

MNEMONIC RULE: "properties.Create()"

Use the AllManagedProperties property of the Schema class to get the collection of managed properties in the Shared Service Provider's search schema.

To add a new managed property to the collection, use the Create() method.

ManagedPropertyCollection Class

[http://msdn.microsoft.com/en-us/library/microsoft.office.server.search.administration.](http://msdn.microsoft.com/en-us/library/microsoft.office.server.search.administration.managedpropertycollection.create.aspx)

[managedpropertycollection.create.aspx](http://msdn.microsoft.com/en-us/library/microsoft.office.server.search.administration.managedpropertycollection.create.aspx)

Question: 101

You have a document library named Documents. Minor and major version management is enabled for the document library.

You plan to add a document named MyFile.docx to Documents.

You create a console application that contains the following code segment. (Line numbers are included for reference only.)

```
01 using (SPSite site = new SPSite("http://intranet"))
02 {
03     SPSite documents = site.RootWeb.Lists["Documents"];
04     FileStream fstream = File.OpenRead(@"MyFile.docx");
05     byte[] content = new byte[fstream.Length];
06     fstream.Read(content, 0, (int)fstream.Length);
07     fstream.Close();
08     site.RootWeb.Files.Add(documents.RootFolder.Url + "/MyFile.docx", content,
09     true);
10     SPFile file = site.RootWeb.GetFile(documents.RootFolder.Url + "/MyFile.
11     docx");
12     file.CheckIn(string.Empty);
13 }
```

You need to ensure that all users can see the document.

Which code segment should you add at line 11?

- A. file.CanOpenFile(true);
- B. file.Publish(string.Empty);
- C. file.ReleaseLock(string.Empty);
- D. file.Update();

Answer: B

Explanation:

MNEMONIC RULE: "Minor and major versions to Publish"

Minor and major version management is enabled for the document library; therefore, we must use Publish() method.

SPFile.Publish Method

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spfile.publish.aspx>

Question: 102

You create a Microsoft .NET Framework console application that uses a Representational State Transfer (REST) API to query a custom list named Products.

The application contains the following code segment.

```
AdventureWorksDataContext codc = new AdventureWorksDataContext(new Uri("http://
contoso/_vti_bin/listdata.svc"));
codc.Credentials = CredentialCache.DefaultCredentials;
```

You need to read all items in Products into an object.

Which method should you use?

- A. code.Products.ToList
- B. code.Products.All
- C. code.Products.AsQueryable
- D. code.Products.ElementAt

Answer: A

Explanation:

MNEMONIC RULE: "read all items ToList"

Interacting with SharePoint 2010 lists using REST, ASP.NET and ADO.NET Data Services

<http://extendtheenterprise.com/2010/11/03/using-sharepoint-2010-rest-apis-in-asp-net/>

Enumerable.ToList<TSource> Method

<http://msdn.microsoft.com/en-us/library/bb342261.aspx>

Question: 103

You have a helper method named CreateSiteColumn that contains the following code segment.

```
static void CreateSiteColumn ( SPWeb web, string columnName )
{
}
```

You need to add a new site column of type Choice to a SharePoint site by using the helper method.

Which code segment should you include in the helper method?

- A. SPField field = new SPFieldChoice(System.web.Lists[0].Fields, columnName);
- B. web.Fields.Add(columnName, SPFieldType.Choice, true);
- C. web.Lists[0].Fields.Add(columnName, SPFieldType.Choice, True);
- D. web.Lists[0].Views[0].ViewFields.Add(columnName);

Answer: B

Explanation: MNEMONIC RULE: "web.Fields.Add"

SPFieldCollection.Add Method (String, SPFieldType, Boolean)

<http://msdn.microsoft.com/en-us/library/ms472869.aspx>

Question: 104

You have a custom user profile property named MyProperty.

You need to create a Web Part that displays the value of MyProperty for the current user.

Which code segment should you use?

- A. string profile = SPContext.Current.Web.Properties("CurrentUser/MyProperty");
- B. string profile = SPContext.Current.Web.Users["MyProperty"].ToString();
- C. UserProfileManager profileManager = new UserProfileManager(SPSecurityContext.Current);
UserProfile userProfile = profileManager.GetUserProfile(SPContext.Current.Web.CurrentUser.LoginName);
string profile = userProfile["MyProperty"].ToString();
- D. UserProfileManager profileManager = new UserProfileManager(SPSecurityContext.Current);
UserProfile userProfile = profileManager.GetUserProfile(SPContext.Current.Web.CurrentUser.LoginName);
string profile = userProfile.Properties.GetPropertyByName("MyProperty").ToString();

Answer: D

Explanation:

MNEMONIC RULE: GetPropertyByName

userProfile.Properties is ProfileSubtypePropertyManager object. See its members in this MSDN article:

ProfileSubtypePropertyManager Members

[http://msdn.microsoft.com/en-us/library/microsoft.office.server.userprofiles.](http://msdn.microsoft.com/en-us/library/microsoft.office.server.userprofiles.profilesubtypepropertymanager_members.aspx)

[profilesubtypepropertymanager_members.aspx](http://msdn.microsoft.com/en-us/library/microsoft.office.server.userprofiles.profilesubtypepropertymanager_members.aspx)

See the sample code at the link below.

Creating profile properties and sections the SharePoint 2010 way – part 2, The code

<http://pholpar.wordpress.com/2010/03/17/creating-profile-properties-and-sections-the-sharepoint-2010-waypart-2-the-code/>

Question: 105

You have a SharePoint Web application that has the URL <http://intranet>.

You are creating a Microsoft .NET Framework application that will display the title of the SharePoint site and will execute outside of the SharePoint server.

You create a textbox named textBoxTitle.

You write the following code segment. (Line numbers are included for reference only.)

```
01 ClientContext context = new ClientContext("http://intranet");
```

```
02
```

```
03 Web site = context.Web;
```

```
04 context.Load(site);
```

```
05
```

```
06 textBoxTitle.Text = site.Title;
```

You discover that line 06 generates an error.

You need to ensure that the .NET application displays the title of the SharePoint site in textBoxTitle.

What should you do?

A. Add the following line of code at line 02.

```
context.ExecuteQuery();
```

B. Add the following line of code at line 05.

```
context.ExecuteQuery();
```

C. Add the following line of code at line 05.

```
context.ValidateOnClient = true;
```

D. Add the following line of code at line 02.

```
context.ValidateOnClient = true;
```

Answer: B

Question: 106

You are creating a custom content type named CT1.

You need to use a Feature to add an existing site column named SiteCol1 to CT1.

Which code segment should you include in the Feature?

A. `<Field ID="SiteCol1"/>`

B. `<Field ID="{XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX}" Name="SiteCol1"/>`

C. `<FieldRef ID="SiteCol1" Name="{XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX}"/>`

D. `<FieldRef ID="{XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX}" Name="SiteCol1"/>`

Answer: D

Explanation:

MNEMONIC RULE: "existing Field needs to be Referenced"

FieldRef Element (ContentType)

<http://msdn.microsoft.com/en-us/library/aa543225.aspx>

Question: 107

You create a Web Part.

You need to display the number of visits to a SharePoint site collection in a label named LblVisits.

You write the following code segment. (Line numbers are included for reference only.)

```
01 SPSecurity.RunWithElevatedPrivileges (delegate()
02 {
03 try
04 {
05
06 LblVisits.Text = site.Usage.Visits.ToString ();
07 }
08 finally
09 {
10
11 }
12 }
13 );
```

Which code segment should you add at line 05?

- A. SPsite site = SPContext.GetContext (HttpContext.Current).Site;
- B. SPsite site = new SPsite (SPContext.Current.Site.ID);
- C. SPsite site = SPContext.Current.Site ;
- D. SPsite site = SPControl.GetContextSite (HttpContext.Current);

Answer: B

Question: 108

You plan to create a custom Web Part that displays items from a custom SharePoint list named Project.

You need to ensure that you can access the list by using strongly-typed objects in Microsoft Visual Studio 2010.

What should you do first?

- A. Edit the web.config file.
- B. Run spmetal.exe.
- C. Run ecmangen.exe.
- D. Edit the Manifest.xml file.

Answer: B

Explanation:

MNEMONIC RULE: "strongly-typed = spmetal.exe"

The LINQ to SharePoint provider is a new feature in SharePoint 2010 that allows you to use a strongly-typed entity model and the language integrated query (LINQ) query syntax to query list data. Essentially, LINQ to SharePoint hides

the complexity of developing CAML queries from developers, which can reduce development time and make code more readable. The LINQ to SharePoint provider converts the LINQ expressions into CAML queries at run time. Although you can manually develop your entity classes, in most cases, you will want to use the SPMetal command line tool.

Using LINQ to SharePoint

<http://msdn.microsoft.com/en-us/library/ff798478.aspx>

Question: 109

You need to create a Web Part that displays all of the content created by a specific user. You write the following code segment. (Line numbers are included for reference only.)

```
01 Dim kRequest As New KeywordQuery(ServerContext.Current)
```

```
02
```

```
03 kRequest.QueryText = strQuery
```

```
04 Dim resultTbls As ResultTableCollection = kRequest.Execute()
```

Which code segment should you add at line 02?

- A. Dim strQuery As String = "author:" & searchAuthor
- B. Dim strQuery As String = "docID:" & searchAuthor
- C. Dim strQuery As String = "SELECT Title, Rank, Write, Url
FROM SCOPE() WHERE author = " & searchAuthor
- D. Dim strQuery As String = "SELECT Title, Rank, Write, Url
FROM SCOPE() WHERE docID = " & searchAuthor

Answer: A

Explanation:

-
-
-
-
-
-
-

Question: 110

You create two custom lists named Offices and Rooms.

Rooms has the following columns:

Title

Capacity

Equipment

Offices has the following columns:

Title

Rooms (a lookup to the Title column in the Rooms list)

Rooms:Capacity

Rooms:Equipment

You need to perform a Representational State Transfer (REST) query that returns a list of all the offices that have rooms with a capacity of 10. The query results must include the room titles and the equipment in each room. Which URL should you choose?

- A. /_vti_bin/ListData.svc/Offices \$expand=Rooms&\$filter=Rooms/Capacity eq 10
- B. /_vti_bin/ListData.svc/Offices &\$filter=Rooms/Capacity eq 10
- C. /_vti_bin/ListData.svc/Rooms \$expand=Offices&\$filter=Rooms/Capacity eq 10
- D. /_vti_bin/ListData.svc/Rooms &\$filter=Offices/Capacity eq 10

Answer: A

Explanation: Section: (none)

MNEMONIC RULE: "Offices - Rooms - Rooms/Capacity"

You can use the Expand method to navigate from one entity to a related entity.

You can append query strings to the URLs in order to specify filter criteria or query logic.

Using the REST Interface

<http://msdn.microsoft.com/en-us/library/ff798339.aspx>

Question: 111

You create a Web Part that programmatically updates the description of the current SharePoint site. The Web Part contains the following code segment. (Line numbers are included for reference only.)

```
01 RunWithElevatedPrivileges(EvelateSub)
02 Private Sub ElevatedSub()
03 Dim currSite As SPSite = SPContext.Current.Site
04 Dim currWeb As SPWeb = SPContext.Current.Web
05 Using eSite As New SPSite(currSite.ID)
06 Using eWeb As SPWeb = eSite.OpenWeb(currWeb.ID)
07 eWeb.AllowUnsafeUpdates = True
08 currWeb.Description = "Test"
09 currWeb.Update()
10 eWeb.AllowUnsafeUpdates = False
11 End Using
12 End Using
```

Users report that they receive an Access Denied error message when they use the Web Part. You need to ensure that all users can use the Web Part to update the description of the current site.

What should you do?

- A. Remove lines 07 and 10.
- B. Remove lines 08 and 09.
- C. Change lines 08 and 09 to use the eWeb variable.
- D. Change lines 07 and 10 to use the currWeb variable.

Answer: C

Question: 112

You create a Web Part that queries a list. The Web Part contains the following code segment.

(Line numbers are included for reference only.)

```
01 Protected Overrides Sub Render(ByVal writer As HtmlTextWriter)
02 Dim spInToken As SPUserToken = GetTheContext(SPContext.Current.Site)
03 Using aSite As New SPSite(curSiteCtx.ID, spInToken)
04 ...
```

```

05 End Using
06 End Sub
07 Private Function GetTheContext(ByVal nWeb As SPWeb) As SPUserToken
08     nWeb.CatchAccessDeniedException = False
09     Dim spToken As SPUserToken = Nothing
10 Try
11     spToken = nWeb.SystemAccount.UserToken
12 Catch generatedExceptionName As UnauthorizedAccessException
13
14 End Try
15 Return spToken
16 End Function

```

You need to ensure that users without permissions to the list can view the contents of the list from the Web Part. Which code segment should you add at line 13?

- A. `SPSecurity.RunWithElevatedPrivileges(ElevatedSub)`
`Private Sub ElevatedSub()`
`Using eSite As New SPWeb(nWeb.ID)`
`spToken = nWeb.SystemAccount.UserToken`
`End Using`
`End Sub`
- B. `SPSecurity.RunWithElevatedPrivileges(ElevatedSub)`
`Private Sub ElevatedSub()`
`Using eSite As New SPWeb(nWeb.ID)`
`spToken = SPContext.Current.Web.CurrentUser.UserToken`
`End Using`
`End Sub`
- C. `spToken = nWeb.RootWeb.AllUsers(SPContext.Current.Web.Name).UserToken`
- D. `spToken = nWeb.RootWeb.AllUsers(SPContext.Current.Web.Name).UserToken`

Answer: A

Question: 113

You need to create a custom content type and specify the content type ID. What should you do?

- A. Create a new module.
- B. Create a custom Feature.
- C. Call the Lists Web service.
- D. Call the Webs Web service.

Answer: B

Explanation:

MNEMONIC RULE: "custom Feature for custom content type"

Create Custom Content Types in SharePoint 2010

<http://msdn.microsoft.com/en-us/library/ff630942.aspx>

Question: 114

You need to delete the previous versions of all documents in a document library. The deleted versions of the documents must be retained in the SharePoint Recycle Bin. What should you do?

- A. For the document library, call the Recycle method.
- B. For the document library, call the Delete method.
- C. For each document, call the DeleteAll method of the Versions property.
- D. For each document, call the RecycleAll method of the Versions property.

Answer: D

Explanation:

MNEMONIC RULE: "all previous versions to Recycle Bin = RecycleAll of the Versions"

Recycles the version collection except for the current version.

SPListItemVersionCollection.RecycleAll Method

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.splistitemversioncollection.recycleall.aspx](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.splistitemversioncollection.recycleall.aspx)

Question: 115

You have a SharePoint solution that contains a custom site column and a custom content type. You need to add the custom site column as a lookup field for the custom content type. What should you create?

- A. a Feature activation dependency
- B. a new Feature event receiver
- C. a new module
- D. a new SharePoint mapped folder

Answer: B

Explanation:

MNEMONIC RULE: "Feature event receiver"

Walkthrough: Add Feature Event Receivers

<http://msdn.microsoft.com/en-us/library/ee231604.aspx>

Question: 116

You have a SharePoint site collection that has the URL <http://contoso/sites/finance>. You are creating a Microsoft .NET Framework console application that will use the SharePoint client object model to create a site in the site collection. The application contains the following code segment. (Line numbers are included for reference only.)

```
01Dim cCtx As New ClientContext("http://contoso/sites/finance")
```

```
02Dim root As Web = cCtx.Site.RootWeb
```

```
03cCtx.Load(root)
```

```
04Dim webInfo As New WebCreationInformation()
```

```
05webInfo.Title = "site1"
```

```
06webInfo.Url = "site1"
```

```
07webInfo.WebTemplate = "MPS#2"
```

```
08root.Webs.Add(webInfo)
```

```
09
```

```
10cCtx.Dispose()
```

You need to ensure that the application creates the site. Which code segment should you add at line 09?

- A. cCtx.ExecuteQuery()
- B. cCtx.Site.RootWeb.Update()
- C. root.Context.Dispose()
- D. root.Update()

Answer: A

Question: 117

You need to create a Web Part that adds a term set to the current SharePoint site collection's term store. You write the following code segment. (Line numbers are included for reference only.)

```
01Dim txtBoxTermSetToAdd As New System.Web.UI.WebControls.TextBox()
02Dim session As New TaxonomySession(SPContext.Current.Site)
03Dim addedTerm As TermSet = session.TermStores(0).Groups
  ("MyNewTermStore").CreateTermSet(txtBoxTermSetToAdd.Text)
04
```

Which code segment should you add at line 04?

- A. addedTerm.Export()
- B. addedTerm.TermStore.CommitAll()
- C. SPContext.Current.Site.WebApplication.Update()
- D. SPContext.Current.Web.AllowUnsafeUpdates = True

Answer: B

Question: 118

You have a SharePoint site collection that contains 100 sites. Each site contains 100 lists. You need to retrieve all item titles from all lists. The data must be retrieved in the minimum amount of time.

Which access method should you use?

- A. SPList.Items
- B. SPListItemCollection.GetDataTable
- C. SPSiteDataQuery
- D. ListData.svc

Answer: C

Explanation:

MNEMONIC RULE: "100 sites = SPSite"

The data must be retrieved in the minimum amount of time; therefore, SPSiteDataQuery

SPSiteDataQuery Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spsitedataquery.aspx>

Question: 119

You have a SharePoint site. The current master page of the site is v4.master.

You create a custom master page named MyMasterPage.master and deploy it to /_catalogs/masterpage/. You need to

apply the custom master page to the site and ensure that future pages added to the site, including system and application pages, automatically use the custom master page. You must also ensure that future SharePoint updates do not remove or modify the changes you have made.

What should you do?

- A. Set the MasterUrl property and CustomMasterUrl property of the site to /_catalogs/masterpage/MyMasterPage.master,
- B. In the @Page directive of each page layout, set the MasterPageFile attribute to /_catalogs/masterpage/MyMasterPage.master.
- C. Rename the custom master page as v4.master and overwrite \14\TEMPLATE\GLOBAL\v4.master.
- D. Rename the custom master page as v4.master and overwrite /_catalogs/masterpage/v4.master.

Answer: A

Question: 120

You plan to develop a Web Part that displays a SharePoint list. The Web Part will verify the list permissions when users access it by using the web.CurrentUser.DoesUserHavePermissions method.

You need to ensure that when users do not have permissions to the list, the Web Part displays the company's logo. Which code segment should you add to the Web Part?

- A. RunWithElevatedPrivileges
- B. web.ValidateFormDigest();
- C. web.CurrentUser.RequireRequestToken = false;
- D. web.AllowUnsafeUpdates= true;

Answer: A

Explanation:

MNEMONIC RULE: "DoesUserHavePermissions = RunWithElevatedPrivileges"

You need to elevate your privileges to check on current user's permissions.

DoesUserHavePermissions?

<http://www.shannonbray.com/2010/01/doesuserhavepermissions.html>

Question: 121

You are developing a Feature that will be used in multiple languages. You need to ensure that users view the Feature's title and description in the display language of their choice. What should you create?

- A. a Feature event receiver
- B. a site definition
- C. multiple Elements.xml files
- D. multiple Resource (.resx) files

Answer: D

Explanation:

MNEMONIC RULE: "Language Resource"

Using Resource Files (.resx) when developing SharePoint solutions

<http://blogs.msdn.com/b/joshuag/archive/2009/03/07/using-resource-files-resx-when-developingsharepointsolutions.aspx>

Question: 122

You create a Web Part that updates a list.

You need to ensure that users can use the Web Part to update the list, regardless of the users' permissions to the list. What should you use in the Web Part?

- A. the SPSecurity.AuthenticationMode property
- B. the SPSecurity.CatchAccessDeniedException property
- C. the SPSecurity.RunWithElevatedPrivileges method
- D. the SPSecurity.SetApplicationCredentialKey method

Answer: C

Explanation:

MNEMONIC RULE: "regardless of permissions = RunWithElevatedPrivileges"

SPSecurity.RunWithElevatedPrivileges Method

<http://msdn.microsoft.com/enus/library/microsoft.sharepoint.spsecurity.runwithelevatedprivileges.aspx>

Question: 123

You need to create a Web Part that creates a copy of the out-of-the box Contribute permission level. Which code segment should you implement in the Web Part?

- A. `Dim myRole As New SPRoleDefinition()
myRole.Name = "Contribute"
SPContext.Current.Web.RoleDefinitions.Add(myRole)`
- B. `Dim myRole As New SPRoleDefinition(SPContext.Current.Web.RoleDefinitions("Contribute"))
myRole.Name = "MyContribute"
SPContext.Current.Web.RoleDefinitions.Add(myRole)`
- C. `Dim myRole As New
SPRoleDefinition(SPContext.Current.Web.RoleDefinitions("MyContribute"))
myRole.Description = "Contribute"
SPContext.Current.Web.RoleDefinitions.Add(myRole)`
- D. `Dim myRole As New
SPRoleDefinition(SPContext.Current.Web.RoleDefinitions("MyContribute"))
myRole.Name = "Contribute"
SPContext.Current.Web.RoleDefinitions.Add(myRole)`

Answer: B

Question: 124

Using Microsoft Visual Studio 2010, you create a custom workflow action named WF1 that copies the content of a document library to another document library.

WF1 is used in a Microsoft SharePoint Designer reusable workflow.
 You need to ensure that the workflow action can be deployed to multiple sites.
 Where should you define the workflow action?

- A. the ReplicatorActivity activity
- B. the Elements.xml file
- C. the WF1.actions file
- D. the SPPersistedObject object

Answer: B

Explanation:

MNEMONIC RULE: "Elements.xml"

Sandboxed workflow activities in SharePoint 2010

<http://www.wictorwilén.se/Post/Sandboxed-workflow-activities-in-SharePoint-2010.aspx>

Question: 125

You plan to create one provider Web Part and two consumer Web Parts. You need to ensure that the consumer Web Parts can receive data from the provider Web Part. You create an interface that contains the following code segment.

Public

Interface Interface1

Property Parameter1 As String

End Interface

What should you do next?

- A. Implement Interface1 in the provider Web Part.
- B. Implement IWebPartField in the provider Web Part.
- C. Create a set accessor for Parameter1.
- D. Create a second interface and use it to communicate with the provider Web Part.

Answer: D

Question: 126

You create a Web Part that contains the following code segment. (Line numbers are included for reference only.)

01 Public Class WebPart1

02 Inherits WebPart

03

04 Public Sub New()

05 MyBase.New

06

07 End Sub

08

09 Protected Overrides Sub CreateChildControls()

10 Dim clickButton As Button = New Button

11

12 MyBase.CreateChildControls

13 End Sub

14

```

15 Protected Overrides Sub RenderContents
  (ByVal writer As HtmlTextWriter)
16
17 MyBase.RenderContents(writer)
18 End Sub
19 End Class

```

You discover that the clickButton button does not appear. You need to ensure that clickButton appears. What should you do?

- A. Delete line 12.
- B. Move line 10 to line 16.
- C. Add the following line of code at line 11.
Controls.Add(clickButton)
- D. Add the following line of code at line 11.
clickButton.Page = me.Page

Answer: C

Question: 127

You have a timer job that has the following constructors. (Line numbers are included for reference only.)

```

01 public TimerJob1 () : base() { }
02 public TimerJob1(SPWebApplication wApp)

```

You need to ensure that the timer job runs on the first available timer server only. Which base class constructor should you use at line 02?

- A. public TimerJob1(SPWebApplication wApp) : base
(null, wApp, null, SPJobLockType.ContentDatabase) { }
- B. public TimerJob1(SPWebApplication wApp): base
(null, wApp, null, SPJobLockType.Job){ }
- C. public TimerJob1(SPWebApplication wApp):base
(null, wApp, null, SPJobLockType.None) { }
- D. public TimerJob1(SPWebApplication wApp):base
("TimerJob1", wApp, null, SPJobLockType.None) { }

Answer: B

Explanation:

MNEMONIC RULE: "SPJobLockType.Job"

Job member locks the timer job so that it runs only on one machine in the farm.

SPJobLockType Enumeration

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.administration.spjoblocktype.aspx>

Question: 128

You need to programmatically add a user named User1 to a group named Group1. You write the following code segment. (Line numbers are included for reference only.)

```

01 Dim login As String = "User1"
02 Dim grpName As String = "Group1"
03 Dim user As SPUser = SPContext.Current.Web.EnsureUser(login)

```

```
04 Dim group As SPGroup = SPContext.Current.Web.Groups(grpName)
05
06 group.Update()
Which code segment should you add at line 05?
```

- A. group.AddUser(user)
- B. group.Owner = user
- C. user.AllowBrowseUserInfo = True
- D. user.Update()

Answer: A

Question: 129

You are running a default installation of Microsoft Visual Studio 2010. You have a Web Part named WebPart1. WebPart1 runs on a Microsoft Office SharePoint Server 2007 server. You need to ensure that WebPart1 can run as a sandboxed solution in Microsoft SharePoint Server 2010. What should you do?

- A. Create a new Visual Web Part by using the code from WebPart1.
- B. Create a new Web Part by using the code from WebPart1.
- C. Create an ASCXfile for WebPart1, and then copy the file to the ISAPI folder.
- D. Create an ASCXfile for WebPart1, and then copy the file to the CONTROLTEMPLATES folder.

Answer: A

Question: 130

You develop a custom master page. You need to ensure that all pages that use the master page contain a specific image. Page developers must be able to change the image on individual pages. The master page must be compatible with the default content page. What should you add to the master page?

- A. a ContentPlaceholder control
- B. a Delegate control
- C. a Placeholder control
- D. an HTML Div element

Answer: A

Explanation:
MNEMONIC RULE: "master page = ContentPlaceholder"
Defines a region for content in an ASP.NET master page.
ContentPlaceholder Class
<http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.contentplaceholder.aspx>

Question: 131

You need to send a single value from a consumer Web Part to a provider Web Part. Which interface should you use?

- A. IAlertNotifyHandler
- B. IWebPartField
- C. IWebPartParameters
- D. IWebPartRow

Answer: B

Explanation:

MNEMONIC RULE: "single value = field"

Defines a provider interface for connecting two server controls using a single field of data. This interface is designed to be used with Web Parts connections. In a Web Parts connection, two servercontrols that reside in a WebPartZoneBase zone establish a connection and share data, with one control actingas the consumer and the other control acting as a provider.

IWebPartField Interface

<http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webparts.iwebpartfield.aspx>

Question: 132

You create a custom Web Part.

You need to create a class to log Web Part errors to the Unified Logging Service (ULS) logs.

What should you use?

- A. the ILoggingProvider interface
- B. the SPPersistedObject class
- C. the SPDiagnosticsServiceBase class
- D. the ILogger interface

Answer: C

Explanation:

MNEMONIC RULE: "Unified Logging Service = SPDiagnosticsServiceBase"

Logging to ULS in SharePoint 2010

<http://blog.mastykarz.nl/logging-uls-sharepoint-2010/>

Question: 133

You create a user control named MySearch.ascx.

You plan to change the native search control in SharePoint to MySearch.ascx.

You need to provide the site administrator with the ability to change the out-of- the-box search control to MySearch.ascx.

What should you do?

- A. Override the search delegate control by using a Feature.
- B. Modify the <SafeControls> element in the web.config file.
- C. Configure the SearchBox.dwp in the Web Part gallery,
- D. Modify \14\TEMPLATE\FEATURES\SearchWebParts\SearchBox.dwp.

Answer: A

Explanation:

MNEMONIC RULE: "change the native search control = Override the search delegate"

Customizing the search box using a feature

<http://sharepointschool.net/2010/10/14/customizing-the-search-box-using-a-feature/>

Question: 134

You plan to activate the Developer Dashboard. You create a command line application that contains the following code segment. (Line numbers are included for reference only.)

01Dim cs As SPWebService = SPWebService.ContentService

02cs.DeveloperDashboardSettings.DisplayLevel = SPDeveloperDashboardLevel.[On]

03

You execute the application and discover that the Developer Dashboard fails to appear. You need to ensure that the application activates the Developer Dashboard. What should you do?

A. Add the following line of code at line 03.

cs.Update()

B. Add the following line of code at line 03.

cs.DeveloperDashboardSettings.Update()

C. Change line 02 to the following code segment.

cs.DeveloperDashboardSettings.DisplayLevel = SPDeveloperDashboardLevel.Off

D. Change line 02 to the following code segment.

cs.DeveloperDashboardSettings.DisplayLevel = SPDeveloperDashboardLevel.OnDemand

Answer: B

Question: 135

You have a custom Web Part.

You need to create a custom user interface for modifying the Web Part properties.

What should you do?

A. Create a new Master Page. Implement the IControlBuilderAccessor interface.

B. Create a new tool part for the custom Web Part.

C. Modify the [ToolBox] attribute of the custom Web Part.

D. Create a new Web Part. Implement the IControlBuilderAccessor interface.

Answer: B

Explanation:

MNEMONIC RULE: "Tool part for the Web Part"

What is a custom tool part?

The Custom tool part is part of the web part infrastructure, that helps us to create a custom user interface for the web part properties that goes beyond the capabilities of the default property pane. When do we need a custom tool part? Let's say, If we need to create a web part property of type dropdown, we need to create a custom tool part. This is not supported out-of-box in the web part framework. I've the similar requirement of creating a custom web part property of type drop-down.

Create Custom Tool Parts for SharePoint Web Parts

https://msmvps.com/blogs/sundar_narasiman/archive/2009/09/02/create-custom-tool-parts-for-sharepoint-webparts.aspx

Question: 136

You plan to create two Web Parts named Products and ProductDetails. You create an interface that contains the following code segment.

```
Public
Interface Interface1
Property Productid As String
End Interface
```

You need to ensure that the Products Web Part sends Productid to the ProductDetails Web Part. You must achieve this goal by using the ASP.NET Web Part connection framework.

What should you do?

- A. Implement Interface1 in the Products Web Part.
- B. Implement Interface1 in the ProductDetails Web Part.
- C. Add a private set-accessor-declaration to the Productid property.
- D. Add a protected set-accessor-declaration to the Productid property.

Answer: A

Question: 137

You create a custom Web Part.

You need to ensure that a custom property is visible in Edit mode.

Which attribute should you set in the Web Part?

- A. WebDisplayName
- B. WebBrowsable
- C. Personalizable
- D. WebCategoryName

Answer: B

Explanation:

MNEMONIC RULE: "Web Part is visible = WebBrowsable"

The WebBrowsable attribute specifies that the decorated property should appear in the editor component of the web part. It only allows the end user to modify the property and does nothing about persistence. WebBrowsable will make the property appear in the ToolPane or EditorPart of the WebPart.

WebBrowsable vs Personalizable in Web Parts

<http://stackoverflow.com/questions/4362234/webbrowsable-vs-personalizable-in-web-parts>

Question: 138

You create a Web Part that contains the following logging code. (Line numbers are included for reference only.)

```
01Try
02 ...
03Catch ex As Exception
04
05System.Diagnostics.EventLog.WriteEntry("WebPart Name",
("Exception Information: " + ex.Message), EventLogEntryType.Error)
```


06End Try

You discover that line 05 causes an error. You need to resolve the error.
What should you do?

- A. Run the code segment at line 05 inside a RunWithElevatedPrivileges delegate.
- B. Add the following code at line 04.
If web.CurrentUser.IsSiteAuditor = False Then
System.Diagnostics.EventLog.WriteEntry("WebPart Name",
"Exception Information: " & ex.Message, EventLogEntryType.[Error])
End If
- C. Add the following code at line 04
If web.CurrentUser.IsSiteAdmin = False Then
System.Diagnostics.EventLog.WriteEntry("WebPart Name",
"Exception Information: " & ex.Message, EventLogEntryType.[Error])
End If
- D. Change line 05 to the following code segment.
System.Diagnostics.EventLog.WriteEntry("WebPart Name",
"Exception Information", EventLogEntryType.Error)

Answer: A

Question: 139

You have a custom Web Part that is deployed as a sandboxed solution. You need to ensure that the Web Part can access the local file system on a SharePoint server. You must minimize the amount of privileges assigned to the Web Part. What should you do?

- A. Elevate the trust level to Full.
- B. Elevate the trust level to WSS_Medium.
- C. Redeploy the Web Part as a farm solution.
- D. Deploy the Web Part to the Global Assembly Cache (GAC).

Answer: C

Question: 140

You have a SharePoint site that uses a master page named Master1.master. You create a custom user control named MySearch.ascx. You need to change the default search box to MySearch.ascx. What should you do?

- A. Modify the SmallSearchInputBox control tag in the master page, and then configure the ControlId property.
- B. Modify the SmallSearchInputBox control tag in the master page, and then configure the ControlSrc property.
- C. Create a Web Part that uses MySearch.ascx. In the master page, add a control tag that references the .webpart file.
- D. Create a Visual Web Part that uses MySearch.ascx. In the master page, add a control tag that references the .webpart file.

Answer: B

Explanation:

MNEMONIC RULE: "ControlSrc"

Delegate Control (Control Templating)

<http://msdn.microsoft.com/en-us/library/ms463169.aspx>

Question: 141

You need to connect two Web Parts by using the IWebPartRow interface. Which method should you use?

- A. GetFieldValue
- B. DataItem
- C. GetRowData
- D. GetTableData

Answer: C

Explanation:

MNEMONIC RULE: "iWebPartRow = GetRowData"

Returns the data for the row that is being used by the interface as the basis of a connection between two WebPart controls.

IWebPartRow.GetRowData Method

<http://msdn.microsoft.com/enus/library/system.web.ui.webcontrols.webparts.iwebpartrow.getrowdata.aspx>

Question: 142

You create a Web Part by using Microsoft Visual Studio 2010. You need to execute SPDisposeCheck.exe before the Web Part is deployed. What should you do?

- A. Configure a pre-deployment command line.
- B. Configure SPDisposeCheck.exe as an external tool.
- C. Change the configuration from Active (Debug) to Release.
- D. Change the active deployment configuration to No Activation.

Answer: A

Explanation:

MNEMONIC RULE: "before deployed = pre-deployment"

How to: Set SharePoint Deployment Commands

<http://msdn.microsoft.com/en-us/library/ee231534.aspx>

Question: 143

You create a SharePoint solution by using Microsoft Visual Studio 2010. The SharePoint solution contains a third-party assembly. You need to deploy the third-party assembly to the Global Assembly Cache (GAC). What should you use?

- A. a SharePoint mapped folder
- B. the active deployment configuration
- C. the Feature Designer
- D. the Package Designer

Answer: D

Explanation:

MNEMONIC RULE: "Package Designer for GAC"

How to add assemblies into GAC/web application's bin folder using WSPs created using Visual studio 2010's SharePoint projects.

<http://girishm.blog.com/2010/10/19/how-to-add-assemblies-into-gac-web-applications-bin-folder-using-wspsc-created-using-visual-studio-2010s-sharepoint-projects-2/>

The package contains features and other assets and is used when you deploy solutions to SharePoint.

The package is also where the assembly deployment location is determined. Visual Studio 2010 introduces a package designer, which makes viewing and managing packages much easier.

Visual Studio 2010 Tools for SharePoint Development

<http://msdn.microsoft.com/en-us/magazine/ee309510.aspx>

Question: 144

You create a console application to manage Personal Sites. The application contains the following code segment. (Line numbers are included for reference only.)

01 Dim siteCollection As New SPSite("http://moss");

02 Dim profileManager As New serProfileManager(ServerContext.GetContext(siteCollection));

03 Dim profile As UserProfile = profileManager.GetUserProfile("domain\username");

04 Dim personalSite As SPSite = profile.PersonalSite;

05

06 siteCollection.Dispose();

You deploy the application to a SharePoint site. After deploying the application, users report that the site loads slowly.

You need to modify the application to prevent the site from loading slowly.

What should you do?

A. Remove line 06.

B. Add the following line of code at line 05.

personalSite.close();

C. Add the following line of code at line 05.

personalSite.Dispose();

D. Change line 06 to the following code segment.

siteCollection.close();

Answer: C

Explanation:

MNEMONIC RULE: "Dispose"

Disposing Objects

<http://msdn.microsoft.com/en-us/library/ee557362.aspx>

Question: 145

You need to create a Web Part that will store and retrieve information for the current subsite.

Which object should you use?

A. SPContext.Current.Site.RootWeb.AllProperties

B. SPContext.Current.Site.RootWeb.Configuration

- C. SPContext.Current.Web.Configuration
- D. SPContext.Current.Web.Properties

Answer: D

Explanation:

MNEMONIC RULE: "information is in Web.Properties"

SPContext.Current.Web is SPWeb object.

Properties is the SPPropertyBag object with the metadata for the website.

SPWeb.Properties Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spweb.properties.aspx>

Question: 146

You are creating a Web Part that will be deployed as a sandboxed solution. You need to ensure that the Web Part can write debugging information to the SharePoint trace logs. Which class should the logging component inherit?

- A. SPDelegate
- B. SPLog
- C. SPPersistedObject
- D. SPProxyOperation

Answer: D

Explanation:

MNEMONIC RULE: "sandboxed solution needs SPProxyOperation"

You can implement your full-trust functionality in classes that derive from the SPProxyOperation abstract class and deploy the assembly to the global assembly cache. These classes expose a fulltrust proxy that you can call from within the sandbox environment.

Full-trust proxies can provide a useful way to expose logging and configuration functionality to sandboxed applications.

Hybrid Approaches

<http://msdn.microsoft.com/en-us/library/ff798433.aspx>

Question: 147

You have a SharePoint site collection. The root Web of the site collection has the URL

<http://intranet>. You plan to create a user solution that will contain a Web Part. The Web Part will display the title of the root Web. You write the following code segment for the Web Part. (Line numbers are included for reference only.)

```
01Dim currentSite As New SPSite("http://intranet")
```

```
02
```

```
03Dim currentTitle As New Label()
```

```
04currentTitle.Text = currentSite.RootWeb.Title
```

You add the Web Part to a page in the root Web and receive the following error message: "Web Part Error: Unhandled exception was thrown by the sandboxed code wrapper's Execute method in the partial trust app domain: An unexpected error has occurred." You need to prevent the error from occurring. What should you do?

- A. Add the following line of code at line 02.
currentSite.OpenWeb()
- B. Add the following line of code at line 02.

currentSite.OpenWeb("http://intranet")
 C. Change line 01 to the following code segment.
 Dim currentSite As SPWeb = SPContext.Current.Web
 D. Change line 04 to the following code segment.
 currentTitle.Text = currentSite.OpenWeb().Title

Answer: C

Question: 148

You have a Feature named Feature1. You plan to create a new version of Feature1 that will upgrade the existing version of Feature1. You need to ensure that when Feature1 is upgraded, additional configuration data is added to the property bag of the site. What should you do?

- A. Add a <CustomUpgradeAction> element and increase the Version number of the Feature.
- B. Add a <CustomUpgradeAction> element and increase the UIVersion number of the Feature.
- C. Add an <ActivationDependencies> element and increase the Version number of the Feature.
- D. Add an <ActivationDependencies> element and increase the UIVersion number of the Feature.

Answer: A

Explanation:

MNEMONIC RULE: "CustomUpgradeAction Version"

<CustomUpgradeAction> — Allows you to execute custom code when a Feature instance is being upgraded.

Feature.xml Changes

<http://msdn.microsoft.com/en-us/library/ee537575.aspx>

Question: 149

You have a custom site definition. You create a custom site Feature. You need to ensure that the Feature is activated for all new sites that are created by using the custom site definition. What should you do?

- A. Modify the Onet.xml file.
- B. Modify the web.config file.
- C. Add a Feature receiver to the custom site Feature.
- D. Add a Feature dependency to the custom site Feature.

Answer: A

Explanation:

MNEMONIC RULE: "custom site definition = Onet.xml"

You can perform the following kinds of tasks in a custom Onet.xml file that is used for either a custom sitedefinition or a custom web template:

Specify an alternative cascading style sheet (CSS) file, JavaScript file, or ASPX header file for a sitedefinition.

Modify navigation areas for the home page and list pages.

Add a new list definition as an option in the UI.

Define one configuration for the site definition or web template, specifying the lists, modules, files, and WebParts that are included when the configuration is instantiated.

Specify Features to be included automatically with websites that are created from the site definition or webtemplate.

Understanding Onet.xml Files

<http://msdn.microsoft.com/en-us/library/ms474369.aspx>

Question: 150

You create a SharePoint solution. You deploy the SharePoint solution by using Microsoft Visual Studio 2010. You need to prevent the Feature that is contained in the solution from being automatically activated when you deploy the solution. What should you configure in Visual Studio 2010?

- A. the active deployment configuration
- B. the build configuration
- C. the pre-deployment command line
- D. the startup item

Answer: A

Explanation:

MNEMONIC RULE: "deploy the solution = active deployment configuration"

How to: Edit a SharePoint Deployment Configuration

<http://msdn.microsoft.com/en-us/library/ee231587.aspx>

Walkthrough: Creating a Custom Deployment Step for SharePoint Projects

<http://msdn.microsoft.com/en-us/library/ee256698.aspx>

Question: 151

You are developing a custom Feature by using Microsoft Visual Studio 2010. You need to ensure that when you deploy the Feature, a file named Form1.xsn is deployed to the Feature folder. You must achieve this goal by using the minimum amount of development effort. What should you do?

- A. Add a new module to the Visual Studio project.
- B. Add a Feature receiver to the Visual Studio project.
- C. Configure the Properties element in the Feature definition file.
- D. Configure the ActivationDependencies element in the Feature definition file.

Answer: A

Explanation:

MNEMONIC RULE: "deploy file = module"

A module is a collection of file instances, which are instances of files that are provisioned in a site.

To provision a file into Microsoft SharePoint Foundation Web sites, you must use the Module element within a Feature or site definition. The Module element allows you to add one or more files to a SharePoint Foundation Web site or document library.

Module

<http://msdn.microsoft.com/en-us/library/ms462994.aspx>

How to: Provision a File

<http://msdn.microsoft.com/en-us/library/ms441170.aspx>

Question: 152

You create a Web Part that takes three values from three text boxes and creates a new SharePoint site when you click a button named CreateNewSite. The Web Part contains the following code segment.

```
Protected Sub CreateNewSite_Click(ByVal sender As Object, ByVal e As EventArgs)
Dim site As SPSite = SPContext.Current.Site
Dim web As SPWeb = site.AllWebs.Add(SiteNameTextBox.Text, SiteTitleTextBox.Text,
SiteDescriptionTextBox.Text, 0, SPWebTemplate.WebTemplateSTS, False, _False)
End Sub
```

You test the Web Part and it works properly. When another user attempts to use the Web Part to create a new site, he receives the following error message: "Error: Access Denied."

You need to ensure that users can use the Web Part to create new sites. What should you do?

- A. Add web.Update() after the code segment.
- B. Add web.ValidateFormDigest() after the code segment.
- C. Run the code segment inside a SPSecurity.RunWithElevatedPrivileges delegate.
- D. Add the following code after the code segment.

```
Dim currentUser As SPUser = web.CurrentUser
web.Users.Add(currentUser.LoginName, currentUser.Email, currentUser.Name, "")
```

Answer: C

Question: 153

You have a custom theme named MyTheme. The theme is defined in a file named MyTheme.thmx. You have a console application that contains the following code segment.

(Line numbers are included for reference only.)

```
01 Using site As New SPSite("http://intranet")
```

```
02 Dim web As SPWeb = site.OpenWeb()
```

```
03 ...
```

```
04 End Using
```

You need to programmatically apply the theme to a SharePoint site.

Which code segment should you add to the console application?

- A. ThmxTheme.SetThemeUrlForWeb(web, "/_catalogs/theme/MyTheme.thmx", False)
- B. web.AlternateCssUrl = "/_themes/MyTheme"
- C. web.ApplyWebTemplate("MyTheme.thmx")
- D. web.ThemedCssFolderUrl = "/_themes/MyTheme"

Answer: A

Explanation:

MNEMONIC RULE: ThmxTheme

ThmxTheme.SetThemeUrlForWeb Method (SPWeb, String, Boolean)

<http://msdn.microsoft.com/en-us/library/ee658324.aspx>

Question: 154

You have a Microsoft Office SharePoint Server 2007 site.

You upgrade the site to SharePoint Server 2010.

You need to create a Feature that prevents site collection administrators from upgrading the user interface of the site to SharePoint Server 2010.

Which property should you use?

- A. UIVersionConfigurationEnabled
- B. AdministrationSiteType
- C. AllowMasterPageEditing
- D. AllowDesigner

Answer: A

Explanation:

MNEMONIC RULE: "upgrading = UIVersionConfigurationEnabled"

Gets or sets a value that indicates whether to enable the user interface (UI) for changing the version of the UI.

SPWeb.UIVersionConfigurationEnabled Property

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.spweb.uiversionconfigurationenabled.aspx](http://msdn.microsoft.com/enus/library/microsoft.sharepoint.spweb.uiversionconfigurationenabled.aspx)

Question: 155

You are creating an application page that will open a dialog box. The application page uses a custom master page. You write the following code segment. (Line numbers are included for reference only.)

```
01 < script type="text/javascript" >
02 function DialogCallback ( dialogResult, retumValue ){>
03 function OpenEditDialog (id){
04 var options = {
05 url:" http://intranet/Jayouts /MsgToShow.aspx, width: 300,
06 height: 300,
07 dialogReturnValueCallback : DialogCallback
08 };
09 SP.UI.ModalDialog.showModalDialog (options);
10 < /script >
```

You need to ensure that the code opens the dialog box.

What should you do?

- A. Add a script link that references SP.js.
- B. At line 08, change showModalDialog to commonModalDialogOpen.
- C. At line 08, change showModalDialog to openDialog.
- D. Add a script link that references SharePoint.Dialog.js .

Answer: A

Question: 156

You need to create a Web Part that hides the out-of-the-box Ribbon on the current page.

Which code segment should you include in the Web Part?

- A. me.Page.FindControl(*'SPRibbon') .Dispose*)
- B. SPRibbon.GetCurrent (me.Page) .CommandUIVisible = false
- C. me.Page.FindControlC'SPRibbon') .Visible - false
- D. SPRibbon.GetCuurenttme.Page).Dispose()

Answer: B

Question: 157

You create a custom site definition.
 You need to modify the contents of the Quick Launch area.
 Which file should you modify?

- A. Schema.xml
- B. WebTemp.xml
- C. vwstyles.xml
- D. Onet.xml

Answer: D

Explanation:

MNEMONIC RULE: "custom site definition = Onet.xml"

You can perform the following kinds of tasks in a custom Onet.xml file that is used for either a custom sitedefinition or a custom web template:

Specify an alternative cascading style sheet (CSS) file, JavaScript file, or ASPX header file for a sitedefinition.

Modify navigation areas for the home page and list pages.

Add a new list definition as an option in the UI.

Define one configuration for the site definition or web template, specifying the lists, modules, files, and WebParts that are included when the configuration is instantiated.

Specify Features to be included automatically with websites that are created from the site definition or webtemplate.

Understanding Onet.xml Files

<http://msdn.microsoft.com/en-us/library/ms474369.aspx>

Question: 158

You created a custom ASPX page that updates a list. The page is deployed to the Jayouts folder.
 The page contains the following code segment.

```
01 < form id=" Form1" runat =" Server" >
```

```
02 < asp: Button id=" btnUpdate " runat =" server" Text=" Update" ></asp : Button >
```

```
03 </form >
```

A user attempts to update the list by using the page and receives the following error message:

"The security validation for this page is invalid".

You need to prevent the error from occurring.

Which control should you include in Form1?

- A. inputFormCustomValidator
- B. EncodedLiteral
- C. UIVersionedContent
- D. FormDigest

Answer: D

Explanation:

MNEMONIC RULE: "Digest your security"

FormDigest Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.webcontrols.formdigest.aspx>

Question: 159

You create a modal dialog that displays a list of items. You need to capture the items selected by a user. Which code segment should you use?

- A. `SPItem item = SPContext.Current.Item;`
- B. `var items = SP.ListOperation.Current.Item();`
- C. `var items = SP.ListOperation.Selection.getSelectedItems();`
- D. `var item = SPContext.Current.Item["Selected"];`

Answer: C

Explanation:

MNEMONIC RULE: "getSelectedItems"

`SP.ListOperation.Selection.getSelectedItems()` Method

<http://msdn.microsoft.com/en-us/library/ff409526.aspx>

Question: 160

You create a Feature receiver.

You need to hide the Quick Launch navigation bar of a SharePoint site.

What should you use?

- A. the Hidden property of each list
- B. the OnQuickLaunch property of each list
- C. the QuickLaunchEnabled property
- D. the `Navigation.QuickLaunch.Parent.IsVisible` property

Answer: C

Explanation:

MNEMONIC RULE: "hide Quick Launch = QuickLaunchEnabled"

`SPWeb.QuickLaunchEnabled` Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spweb.quicklaunched.enabled.aspx>

Question: 161

You create a Business Connectivity Services (BCS) object model in Microsoft Visual Studio 2010.

The model connects to an XML file.

You create an external list that displays the BCS entity.

You need to ensure that users can delete items from the external list.

What should you do?

- A. Create a custom method and specify the method as a Deleter method instance.
- B. Call the `SPListItem.Delete()` method.
- C. Call the `SPList.Delete()` method.
- D. Create a custom method and specify the method as a Disassociator method instance.

Answer: A

Explanation:

MNEMONIC RULE: "Deleter method"

XML Snippet: Modeling a Deleter Method

<http://msdn.microsoft.com/en-us/library/ff464327.aspx>

Code Snippet: Execute the Deleter Method Instance of an External Content Type

<http://msdn.microsoft.com/en-us/library/ff464351.aspx>

Question: 162

You have a SharePoint list named Projects and a site column named PrivateColumn. You need to prevent users from adding PrivateColumn to the Projects list. Users must be able to add any other site column to the Projects list. What should you do?

- A. Create an event receiver that inherits SPListEventReceiver and override FieldAdded.
- B. Create an event receiver that inherits SPListEventReceiver and override FieldAdding.
- C. Create an event receiver that inherits SPItemEventReceiver and override ItemAdded.
- D. Create an event receiver that inherits SPItemEventReceiver and override ItemAdding.

Answer: B

Explanation:

MNEMONIC RULE: "FieldAdding to a List"

Question: 163

You need to create a Web Part that displays all of the permission levels of the current subsite. Which collection should you use?

- A. SPContext.Current.Web.Permissions
- B. SPContext.Current.Web.Properties
- C. SPContext.Current.Web.RoleAssignments
- D. SPContext.Current.Web.RoleDefinitions

Answer: D

Explanation: MNEMONIC RULE: "permission levels = RoleDefinitions"

The role definition, or permission level, is the list of rights associated with the role.

Role Assignments, Role Definitions, and Inheritance

<http://msdn.microsoft.com/en-us/library/ms414036.aspx>

Question: 164

You create a custom workflow by using Microsoft Visual Studio 2010.

You need to specify a custom InfoPath workflow initiation form in the workflow element manifest file.

Which attribute should you configure?

- A. Association_FormURN

- B. Instantiation_FieldML
- C. Instantiation_FormURN
- D. InstantiationUrl

Answer: C

Explanation:

MNEMONIC RULE: "initiation form = Instantiation_FormURN"

Specifies the URN of the Microsoft InfoPath 2010 form to use to initiate the workflow. Instantiation_FormURN Element (Workflow) - ECM

<http://msdn.microsoft.com/en-us/library/aa672715.aspx>

Question: 165

You need to create a timer job that queries a list.
What should you do?

- A. Create a class that inherits SPJobDefinition and override the Execute method.
- B. Create a class that inherits SPServiceApplication and override the Provision method.
- C. Create a class that inherits SPServiceApplication and override the ProvisionInstances method.
- D. Create a class that inherits SPJobDefinition and override the Provision method.

Answer: A

Explanation:

MNEMONIC RULE: "Execute timer job"

Next, and the most important thing, is to override Execute() method. This method is called each time when the job is fired, so it should contain all the logic to accomplish what You expect from the job.

SPJobDefinition as the way to create scheduled tasks

<http://tomaszrabinski.pl/wordpress/2010/05/27/spjobdefinition-as-the-way-to-create-scheduledtasks/>

Question: 166

You create a workflow named WF1. WF1 is attached to a list named List1.
You need to receive an e-mail notification if WF1 is postponed.
What should you do?

- A. Use a HandleExternalEvent activity in WF1.
- B. Attach an SPWorkflowEventReceiver event receiver to List1.
- C. Attach an SPItemEventReceiver event receiver to List1.
- D. Use a ReceiveActivity activity in WF1.

Answer: B

Explanation:

MNEMONIC RULE: "Workflow = SPWorkflowEventReceiver"

The SPWorkflowEventReceiver class handles workflow events throughout the lifetime of a workflow.

Starting: Occurs when a workflow is starting

Started: Occurs when a workflow is started

Postponed: Occurs when a workflow is postponed

Completed: Occurs when a workflow is completed

You can register the SPWorkflowEventReceiver with any site, list, or content type.

Apress - SharePoint 2010 as a Development Platform (book)

Question: 167

You need to create a Web Part that verifies whether a user who accesses the Web Part page is a member of a group named Group1.

Which code condition should you use?

- A. `SPContext.Current.Web.Groups("Group1").ContainsCurrentUser`
- B. `SPContext.Current.Web.SiteUsers`
`(SPContext.Current.Web.CurrentUser.ID).Groups ("Group1") <> null`
- C. `SPContext.Current.Web.SiteUsers`
`(SPContext.Current.Web.CurrentUser.ID).Groups ("Group1") = null`
- D. `SPContext.Current.Web.Users("Group1").IsDomainGroup`

Answer: A

Explanation:

MNEMONIC RULE: ContainsCurrentUser

Gets a Boolean value that indicates whether the group contains the current user, included either through director indirect membership.

SPGroup.ContainsCurrentUser Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spgroup.containscurrentuser.aspx>

Question: 168

You create a custom field type and a CustomFieldControl.ascx user control. You need to write the code-behind of the CustomFieldControl.acsx user control.

Which object should you override?

- A. `SPFieldText`
- B. `BaseFieldControl`
- C. `SPFieldCalculated`
- D. `WebPart`

Answer: B

Explanation:

MNEMONIC RULE: "CustomFieldControl = BaseFieldControl"

Renders a field on a form page (not a list view page) by using one or more child controls such as a label, link, or text box control.

BaseFieldControl Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.webcontrols.basefieldcontrol.aspx>

Question: 169

You plan to create a custom approval workflow. The workflow approvers will enter their employee number in the edit task form. You need to ensure that the `onTaskChanged` method of the workflow retrieves the value of the

employee number.

Which object should you use?

- A. SPWorkflowTaskProperties.ExtendedProperties
- B. SPWorkflowTaskProperties.Properties
- C. SPWorkflowActivationProperties.Item
- D. SPWorkflowActivationProperties.TaskUstId

Answer: A

Explanation:

MNEMONIC RULE: "onTaskChanged1 = SPWorkflowTaskProperties.ExtendedProperties"

There is no Properties member in SPWorkflowTaskProperties class.

Gets a hash table that represents the collection of extended task properties as name/value pairs.

SPWorkflowTaskProperties Properties

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.workflow.spworkflowtaskproperties_properties.aspx](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.workflow.spworkflowtaskproperties_properties.aspx)

Question: 170

You are creating a custom workflow action that will be used in Microsoft SharePoint Designer reusable workflows. The action will programmatically create a SharePoint site named Site1 at a specific URL.

You need to ensure that users can specify the URL of Site1 in the action.

What should you use?

- A. the DependencyProperty class
- B. the SPPersistedObject class
- C. the SPWorkflowActivationProperties.InitiationData property
- D. the OnWorkflowActivated.WorkflowProperties property

Answer: A

Explanation:

MNEMONIC RULE: "specify DependencyProperty"

Using Dependency Properties

[http://msdn.microsoft.com/en-us/library/ms734499\(v=vs.90\).aspx](http://msdn.microsoft.com/en-us/library/ms734499(v=vs.90).aspx)

Question: 171

You create a Web Part named WP1.

You need to ensure that the name of the Web Part displays as Corporate in SharePoint.

What should you do?

- A. Rename WP1.webpart as Corporate.webpart.
- B. In WP1.webpart, change the Title property to Corporate.
- C. In the constructor of WP1.cs, add the following line of code:
Page.Title="Corporate";
- D. In the Elements.xml file, change the Name property of the <File> element to Corporate.

Answer: B

Explanation:

MNEMONIC RULE: "Title property to Corporate"

Web Parts Control Description Files

<http://msdn.microsoft.com/en-us/library/ms227561.aspx>

Question: 172

You create a Web Part that calls a function named long Call. You discover that long Call takes a long time to execute. You need to display in the Developer Dashboard how long it takes to execute long Call. Which code segment should you use?

- A. Dim startTime As DateTime = DateTime.Now
longCall()
Trace.Write("Long Call " & DateTime.Now.Subtract(startTime).Seconds)
- B. Dim startTime As DateTime = DateTime.Now
longCall()
Trace.TraceWarning("Long Call " & DateTime.Now.Subtract(startTime).Seconds)
- C. Monitor.Enter("Long Call")
If True Then
longCall()
End If
Monitor.Exit("Long Call")
- D. Using monitoredScope As New SPMonitoredScope("Long Call")
longCall()
End Using

Answer: D

Question: 173

You have several SharePoint sites.

You plan to load a custom script in all pages of the sites.

You need to ensure that you can activate or deactivate the script at the site level.

What should you do?

- A. Create a site definition and modify the <system.web> element in the web.config file.
- B. Create a user control that contains the script. Create a Feature that overrides the AdditionalPageHead delegate control.
- C. Create a site definition and modify the CustomJSUrl attribute in the Onet.xml file.
- D. Create a user control that contains the script. Create a Feature that overrides the ControlArea delegate control.

Answer: B

Explanation:

MNEMONIC RULE: AdditionalPageHead

The delegate control resides in the AdditionalPageHead control on the page. It registers some ECMAScript(JavaScript, JScript) on the page.

How to: Customize a Delegate Control

<http://msdn.microsoft.com/en-us/library/ms470880.aspx>

Question: 174

You create a sandboxed solution that contains a Web Part.
 You need to debug the Web Part by using Microsoft Visual Studio 2010.
 To which process should you attach the debugger?

-
-
-

- A. owstimer.exe
- B. spucworkerprocess.exe
- C. w3wp.exe
- D. spucworkerprocessproxy.exe

Answer: B

Explanation:

MNEMONIC RULE: "Sandbox worker needs no proxy"

To provide additional protection, the solution's assembly is not loaded into the main IIS process (w3wp.exe).

Instead, it is loaded into a separate process (SPUCWorkerProcess.exe).

Sandboxed Solution Considerations

<http://msdn.microsoft.com/en-us/library/ee231562.aspx>

If the project type lets you change the Sandboxed Solution property and its value is set to true, then the debugger attaches to a different process (SPUCWorkerProcess.exe).

Debugging SharePoint Solutions

<http://msdn.microsoft.com/en-us/library/ee231550.aspx>

Question: 175

You add a delegate control to the <head> section of a custom master page.
 You reference a default script file by using the delegate control.
 You need to ensure that the delegate control meets the following requirements:
 Prevents other developers from deleting the default script reference
 Provides developers with the ability to add additional script references
 Provides developers with the ability to change the order of the script references
 Which property should you use?

- A. Template_Controls
- B. Scope
- C. BindingContainer
- D. AllowMultipleControls

Answer: D

Explanation:

MNEMONIC RULE: "additional script references = AllowMultipleControls"

DelegateControl.AllowMultipleControls Property

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.webcontrols.delegatecontrol.allowmultiplecontrols.aspx](http://msdn.microsoft.com/enus/library/microsoft.sharepoint.webcontrols.delegatecontrol.allowmultiplecontrols.aspx)

Question: 176

You are creating a Web Part in SharePoint Server 2010.
 You need to ensure that the Web Part can send data to another Web Part.
 Which interface should you implement?

- A. IWebPartField
- B. IQueryable
- C. ISerializable
- D. IWebEditable

Answer: A

Explanation:

MNEMONIC RULE: "Web Part send data = IWebPartField"

Defines a provider interface for connecting two server controls using a single field of data. This interface is designed to be used with Web Parts connections. In a Web Parts connection, two servercontrols that reside in a WebPartZoneBase zone establish a connection and share data, with one control acting as the consumer and the other control acting as a provider.

IWebPartField Interface

<http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webparts.iwebpartfield.aspx>

Question: 177

You are creating an event receiver. The event receiver will have a field named Title and a field named Priority. You write the following code segment for the event receiver. (Line numbers are included for reference only.)

```
01 Public Overloads Overrides Sub ItemUpdating(ByVal prop As SPItemEventProperties)
02 MyBase.ItemUpdating(prop)
03
04
05
06 End Sub
```

You need to ensure that when the Title field is changed to include the word IMPORTANT, the Priority field is set to URGENT. Which code segments should you add at lines 03, 04 and 05?

- A. 03If prop.AfterProperties("vti_title").ToString().Contains("IMPORTANT") Then
 04 prop.AfterProperties("Priority") = "URGENT"
 05 End If
- B. 03If prop.AfterProperties("vti_title").ToString().Contains("IMPORTANT") Then
 04 prop.ListItem("Priority") = "URGENT"
 05 End If
- C. 03 If prop.BeforeProperties("vti_title").ToString().Contains("IMPORTANT") Then
 04 prop.AfterProperties("Priority") = "URGENT"
 05 End If
- D. 03 If prop.ListItem("Title").ToString().Contains("IMPORTANT") Then
 04 prop.AfterProperties("Priority") = "URGENT"
 05 End If

Answer: A

Question: 178

You create an entity named Customer in a Business Connectivity Services (BCS) object mode. You need to ensure that Customer data can be displayed in a Business Data List Web Part. Which method type should you use?

- A. GenericInvoker
- B. SpecificFinder
- C. Finder
- D. IDEnumerator

Answer: C

Explanation:

MNEMONIC RULE: "Finder for all Customer data"

The first method created is ReadItem, which allows you to retrieve a specific record from the external store based on an identifier. This is mapped to the XML metadata as a method instance of type "SpecificFinder."

The second method that is created is ReadList, which retrieves all records from the external store.

This is mapped in the XML metadata as a "Finder" method instance.

These are the minimum two methods that your entity needs to implement in order to serve as a connector for BCS.

Using Business Connectivity Services in SharePoint 2010

<http://msdn.microsoft.com/en-us/magazine/ee819133.aspx>

Question: 179

You create a custom page layout that has a field control named Field1. You need to ensure that Field1 is only visible when users modify the contents of the page. Which parent control should you use for Field1?

- A. PublishingContext
- B. PageLayoutValidator
- C. EditModePanel
- D. ValidatorAggregator

Answer: C

Explanation:

MNEMONIC RULE: "visible when modify = EditModePanel"

Provides a container that shows or hides its child controls based on the mode of the page.

EditModePanel Class

<http://msdn.microsoft.com/enus/>

library/microsoft.sharepoint.publishing.webcontrols.editmodepanel.aspx

Question: 180

You have the following event receiver. (Line numbers are included for reference only.)

01 Public Overloads Overrides Sub FieldDeleting (ByVal properties As SPListEventProperties)

02 MyBase.FieldDeleting(properties)

03 If properties.FieldName = "Status" Then

04
05
06 End If
07End Sub

You need to cancel the operation and redirect the user to a custom error page if the name of the deleted field is Status. Which code segments should you add at lines 04 and 05?

- A. 04properties.ReceiverData = "/_layouts/customErrorPage.aspx"
- 05properties.Cancel = True
- B. 04properties.RedirectUrl = "/_layouts/customErrorPage.aspx"
- 05properties.Cancel = True
- C. 04properties.Status = SPEventReceiverStatus.CancelWithRedirectUrl
- 05properties.ReceiverData = "/_layouts/customErrorPage.aspx"
- D. 04properties.Status = SPEventReceiverStatus.CancelWithRedirectUrl
- 05properties.RedirectUrl = "/_layouts/customErrorPage.aspx"

Answer: D

Question: 181

You create a list named List1.

You create two workflows named WF1 and WF2 for List1.

You need to ensure that when a new item is created in List1, WF1 starts automatically. WF2 must start automatically after WF1 completes.

What should you do?

- A. Add a SendActivity activity to WF2.
- B. Add a Replicator activity to WF2.
- C. Create a SPWebEventReceiver event receiver.
- D. Create a SPWorkflowEventReceiver event receiver.

-

Answer: D

Explanation:

MNEMONIC RULE: "Workflow = SPWorkflowEventReceiver"

The SPWorkflowEventReceiver class handles workflow events throughout the lifetime of a workflow.

Starting: Occurs when a workflow is starting

Started: Occurs when a workflow is started

Postponed: Occurs when a workflow is postponed

Completed: Occurs when a workflow is completed

You can register the SPWorkflowEventReceiver with any site, list, or content type.

Apress - SharePoint 2010 as a Development Platform (book)

Question: 182

You develop a custom approval workflow. The workflow uses the CreateTask class to assign tasks to a user named User1. A list called Tasks stores the tasks. Other workflows and users use the Tasks list. You need to ensure that the tasks assigned to User1 can only be viewed by User1.

What should you do?

- A. Set the CreateTask.SpecialPermissions property.
- B. Set the CreateTask.TaskProperties property.
- C. Break the permission inheritance for the Tasks list.
- D. Assign a custom permission level to a group that contains User1.

Answer: A

Explanation:

MNEMONIC RULE: "SpecialPermissions"

CreateTask.SpecialPermissions Property

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.workflowactions.createtask.specialpermissions.aspx](http://msdn.microsoft.com/enus/library/microsoft.sharepoint.workflowactions.createtask.specialpermissions.aspx)

Question: 183

You plan to create a workflow that has the following three activities:

CreateTask

-

-

OnTaskChanged

CompleteTask

You need to ensure that each time the workflow starts, the three activities are linked to a single task.

What should you do?

- A. Create an SPWorkflowEventReceiver event receiver for the SharePoint Tasks list.
- B. Configure all activities to use the same TaskId.
- C. Configure all activities to use the same correlation token.
- D. Create an SPItemEventReceiver event receiver for the SharePoint Tasks list.

Answer: C

Explanation:

MNEMONIC RULE: "Correlation token (to correlate one task with three activities)"

Each specific task within the workflow should have its own correlation token, which each related activity can use to access the same, task-specific information. For example, if in your workflow you want to reference the same task in CreateTask, CompleteTask, and OnTaskChanged activities, you would bind the CorrelationToken property of each of these activities to the same correlation token variable.

Correlation Tokens in Workflows

<http://msdn.microsoft.com/en-us/library/ms475438.aspx>

Question: 184

You are creating a custom workflow action to be used in Microsoft SharePoint Designer reusable workflows. The action programmatically creates a SharePoint site named Site1 at a specific URL.

The workflow actions schema file contains the following code segment.

```
< WorkflowInfo>
```

```
<Actions Sequential="then" Parallel="and">
```

```
<Action Name="Create Site"
```

```
  ClassName = " SPDActivityDemo.Createsite " Assembly=" SPDActivityDemo , Version=1.0.0.0,
```

```
Culture=neutral, PublicKeyToken= 1a4a7a2c3215a71b " AppliesTo ="all" Category="Test">
<Parameters>
<Parameter Name="Url" Type=" System.String , mscorlib " Direction="Inr' /> <Parameters>
</Action>
</Actions>
</ WorkflowInfo >
```

You need to ensure that users can specify the URL property of the action in SharePoint Designer.
What should you add to the schema of the action?

- A. <Parameter Name=" Url " Type=" System.String , mscorlib " Direction="Out" />
 - B. <Option Name="equals" Value="Equal"/>
 - C. <?xml vecsion"M1.0" encoding-"utf-8" ?>
 - D. < RuleDesigner Sentence="Create site at Ur1 %1.">
- ```
<FieldBlnd Field=" Url " Text=" Url of site" Id="I" DesignerType =" TextArea "
</ RuleDesigner >
```

---

**Answer: D**

---



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### Question: 185

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You need to disable the CriticalExceptionCount measure for all user solutions. You write the following code segment.  
(Line numbers are included for reference only.)

```
01 Dim userCode As SPUserCodeService = SPUserCodeService.Local
02 Dim measures As SPResourceMeasureCollection = userCode.ResourceMeasures
03 Dim measure As SPResourceMeasure = measures("CriticalExceptionCount")
04
05 measure.Update()
```

Which code segment should you add at line 04?

- A. measure.AbsoluteLimit = 0
- B. measure.AbsoluteLimit = 1
- C. measure.ResourcesPerPoint = 0
- D. measure.ResourcesPerPoint = 1

---

**Answer: C**

---



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### Question: 186

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You create a Visual Web Part.

You need to add an image to the Web Part. The image must be deployed to the 14\TEMPLATE\IMAGES folder. What should you do in Microsoft Visual Studio?

- A. Add a SharePoint Layouts mapped folder and create a subfolder named Images.
- B. Create a folder named Images.
- C. Add a SharePoint Images mapped folder.
- D. Create a folder named \_Layouts and a subfolder named Images.

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: Images mapped folder

Deploying files using Mapped Folders

<http://blogs.msdn.com/b/vssharepointtoolsblog/archive/2010/03/12/deploying-files-using-mappedfolders.aspx>

---

### Question: 187

---

You use a custom site definition to create SharePoint sites.

You need to add a Web Part to the home page of the site definition.

Which file should you modify?

- A. Onet.xml
- B. default.master
- C. web.config
- D. Sp.xml

---

**Answer: A**

---

Explanation:

MNEMONIC RULE: "third-party site definition = Onet.xml"

You can perform the following kinds of tasks in a custom Onet.xml file that is used for either a custom sitedefinition or a custom web template:

Specify an alternative cascading style sheet (CSS) file, JavaScript file, or ASPX header file for a sitedefinition.

Modify navigation areas for the home page and list pages.

Add a new list definition as an option in the UI.

Define one configuration for the site definition or web template, specifying the lists, modules, files, and WebParts that are included when the configuration is instantiated.

Specify Features to be included automatically with websites that are created from the site definition or webtemplate.

Understanding Onet.xml Files

<http://msdn.microsoft.com/en-us/library/ms474369.aspx>

---

### Question: 188

---

You have a Web application named WebApp1.

You have a Feature receiver named FeatureReceiver1. FeatureReceiver1 stores a connection string in the web.config file of WebApp1.

You need to ensure that when FeatureReceiver1 makes configuration changes to web.config, the changes are automatically replicated to all Web servers in the farm.

Which class should you use in FeatureReceiver1?

- A. SPPersistedObject
- B. SPWebConfigModification
- C. SPDiagnosticsService
- D. WebConfigurationManager

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "web.config modification = SPWebConfigModification"

To apply modifications that you define through the SPWebConfigModification class to the web.config files in the server

farm, call the ApplyWebConfigModifications method on the current content Web service object, as follows:  
 SPWebService.ContentService.ApplyWebConfigModifications  
 SPWebConfigModification Class  
<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.administration.spwebconfigmodification.aspx>

---

**Question: 189**


---

You are creating a Web Part for SharePoint Server 2010. The Web Part contains the following code segment. (Line numbers are included for reference only.)

```
01 Protected Overloads Overrides Sub CreateChildControls()
02 MyBase.CreateChildControls()
03 SPSecurity.RunWithElevatedPrivileges(ElevatedCode)
04
05 End Sub
06 Private Sub ElevatedCode()
07 Dim ListCount As New Label()
08 ListCount.Text = [String].Format
("There are {0} Lists", SPContext.Current.Web.Lists.Count)
09 Controls.Add(ListCount)
10 End Sub
```

You need to identify which line of code prevents the Web Part from being deployed as a sandboxed solution. Which line of code should you identify?

- A. 02
- B. 03
- C. 08
- D. 09

---

**Answer: B**

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**Question: 190**


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You need to add a new field to a provisioned content type. You must propagate the field to child lists and child content types.

What should you use?

- A. <MapFile>
- B. <FieldRefs>
- C. <AddContentTypeField>
- D. <ApplyElementManifests>

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "field for content type = AddContentTypeField"

AddContentTypeField Element (Feature)

<http://msdn.microsoft.com/en-us/library/ff595314.aspx>

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**Question: 191**


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You have a SharePoint site that uses the default search settings.

You create a new Search Center.

You need to ensure that the new Search Center is the default Search Center for the site.

What should you modify?

- A. the AllWebs collection of the site collection
- B. the Cache property of the current HttpContext
- C. the AllProperties collection of the site
- D. the Session property of the current HttpContext

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "AllProperties of the site"

SPWeb.AllProperties Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spweb.allproperties.aspx>

Bloody Stupid SPWeb properties

<http://www.novolocus.com/2010/12/22/stupid-spweb-properties/>

---

### Question: 192

---

You create a Microsoft .NET Framework console application that uses a Representational State Transfer (REST) API to query a custom list named Products. The application contains the following code segment.

```
Dim codc As New AdventureWorksDataContext(New Uri("http://contoso/_vti_bin/listdata.svc"))
```

```
codc.Credentials = CredentialCache.DefaultCredentials
```

You need to read all items in Products into an object. Which method should you use?

- A. codc.Products.All
- B. codc.Products.AsQueryable
- C. codc.Products.ElementAt
- D. codc.Products.ToList

---

**Answer: D**

---



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### Question: 193

---

You have a document library named Documents. Minor and major version management is enabled for the document library. You plan to add a document named MyFile.docx to Documents.

You create a console application that contains the following code segment. (Line numbers are included for reference only.)

```
01 Using site As New SPSite("http://intranet")
```

```
02 Dim documents As SPList = site.RootWeb.Lists("Documents")
```

```
03 Dim fstream As FileStream = File.OpenRead("MyFile.docx")
```

```
04 Dim content As Byte() = New Byte(fstream.Length - 1) {}
```

```
05 fstream.Read(content, 0, CInt(fstream.Length))
```

```
06 fstream.Close()
```

```
07 site.RootWeb.Files.Add(documents.RootFolder.Url & "/MyFile.docx", content, True)
```

```
08 Dim file As SPFile = site.RootWeb.GetFile(documents.RootFolder.Url & "/ MyFile.docx")
```

```
09 file.CheckIn(String.Empty)
```



10

11 End Using

You need to ensure that all users can see the document. Which code segment should you add at line 10?

- A. file.CanOpenFile(true)
- B. file.Publish(string.Empty)
- C. file.ReleaseLock(string.Empty)
- D. file.Update()

---

**Answer: B**

---

Explanation:

Answer:

---

### Question: 194

---

You are creating a custom content type named CT1.

You need to use a Feature to add an existing site column named SiteCol1 to CT1.

Which code segment should you include in the Feature?

- A. <Field ID="SiteCol1"/>
- B. <Field ID="{XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX}" Name="SiteCol1"/>
- C. <FieldRef ID="SiteCol1" Name="{XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX}"/>
- D. <FieldRef ID="{XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX}" Name="SiteCol1"/>

---

**Answer: D**

---

Explanation:

MNEMONIC RULE: "existing Field needs to be Referenced"

FieldRef Element (ContentType)

<http://msdn.microsoft.com/en-us/library/aa543225.aspx>

---

### Question: 195

---

You have a helper method named CreateSiteColumn that contains the following code segment. Private Shared Sub CreateSiteColumn

(ByVal web As SPWeb, ByVal columnName As String)

web.Lists(0).Views(0).ViewFields.Add(columnName)

End Sub

You need to add a new site column of type Choice to a SharePoint site by using the helper method.

Which code segment should you include in the helper method?

- A. Dim field As SPField = New SPFieldChoice  
(web.Lists(0).Fields, columnName)
- B. web.Fields.Add(columnName, SPFieldType.Choice, True)
- C. web.Lists(0).Fields.Add  
(columnName, SPFieldType.Choice, True)
- D. web.Lists(0).Views(0).ViewFields.Add(columnName)

---

**Answer: B**

---

---

**Question: 196**

---

You have a custom user profile property named MyProperty. You need to create a Web Part that displays the value of MyProperty for the current user. Which code segment should you use?

- A. Dim profile As String = SPContext.Current.Web.Properties("CurrentUser/MyProperty")
- B. Dim profile As String = SPContext.Current.Web.Users("MyProperty").ToString()
- C. Dim profileManager As New UserProfileManager(SPServiceContext.Current)  
Dim userProfile As UserProfile = profileManager.GetUserProfile  
(SPContext.Current.Web.CurrentUser.LoginName)  
Dim profile As String = userProfile("MyProperty").ToString()
- D. Dim profileManager As New UserProfileManager(SPServiceContext.Current)  
Dim userProfile As UserProfile = profileManager.GetUserProfile  
(SPContext.Current.Web.CurrentUser.LoginName)  
Dim profile As String = userProfile.Properties.GetPropertyByName  
("MyProperty").ToString()

---

**Answer: C**

---

---

**Question: 197**

---

You need to create a custom application that provides users with the ability to create a managed property. The managed property name must be specified in the args[1] parameter.

You write the following code segment for the application. (Line numbers are included for reference only.)

```
01 Dim currentSite As New SPSite("http://intranet")
02 Dim context As SearchContext = SearchContext.GetContext(currentSite)
03 Dim schema As New Schema(context)
```

Which code segment should you add to the application?

- A. context.SearchApplication.CrawlStores.Create(args(1))
- B. Dim properties As ManagedPropertyCollection = schema.AllManagedProperties Dim newMng As ManagedProperty = properties.Create(args(1), ManagedDataType.Text)
- C. Dim properties As ManagedPropertyCollection = schema.AllManagedProperties Dim newMng As ManagedProperty = properties.CreateCrawlMonProperty() newMng.Name = args(1)
- D. schema.AllCategories.Create(args(1), Guid.NewGuid())

---

**Answer: B**

---

---

**Question: 198**

---

You create a Web Part. You need to display the number of visits to a SharePoint site collection in a label named LblVisits. You write the following code segment. (Line numbers are included for reference only.)

```
01 RunWithElevatedPrivileges(ElevateSub)
02 Private Sub ElevatedSub()
03 Try
04
05 LblVisits.Text = site.Usage.Visits.ToString()
06 Finally
07 ...
```

08 End Try

09 End Sub

Which code segment should you add at line 04?

- A. Dim esite As New SPSPSite(SPContext.Current.Site.ID)
- B. Dim esite As SPSPSite = SPContext.Current.Site
- C. Dim esite As SPSPSite = SPContext.GetContext(HttpContext.Current).Site
- D. Dim esite As SPSPSite = SPControl.GetContextSite(HttpContext.Current)

---

**Answer: A**

---



---

**Question: 199**

---

You have one Web application that contains several SharePoint site collections.

You need to add a custom button to the Documents tab on the Ribbon of one site collection only.

What should you do?

- A. Create a new Feature. In a new <CommandUIDefinition> node, specify the location of Ribbon.Tabs.\_children.
- B. Create a new Feature. In a new <CommandUIDefinition> node, specify the location of Ribbon.Documents.Manage.Controls.\_children.
- C. Modify the CMDUI.xml file. In a new <CommandUIDefinition> node, specify the location of Ribbon.Tabs.\_children.
- D. Modify the CMDUI.xml file. In a new <CommandUIDefinition> node, specify the location of Ribbon.Documents.Manage.Controls.\_children.

---

**Answer: B**

---



---

**Question: 200**

---

You have a SharePoint site that contains 10 lists.

You need to prevent a list named List1 from appearing on the Quick Launch navigation bar.

What should you configure?

- A. the QuickLaunchEnabled property of the site
- B. the Hidden property of List1
- C. the OnQuickLaunch property of List1
- D. the Navigation.QuickLaunch.Parent.IsVisible property of the site

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "Do you want to see the list on Quick Launch?"

Gets or sets a Boolean value that specifies whether the list appears on the Quick Launch area of the homepage.

SPList.OnQuickLaunch Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.splist.onquicklaunch.aspx>

---

**Question: 201**

---

You are developing an application page. You need to create a pop-up window that uses the ECMAScript object model.

Which namespace should you use?

- A. SP.UI.Menu
- B. SP.UI.ModalDialog
- C. SP.UI.Notify
- D. SP.UI.PopoutMenu

---

**Answer: B**

---

Explanation:

MNEMONIC RULE: "pop-up window = ModalDialog"

SP.UI.ModalDialog Class

<http://msdn.microsoft.com/en-us/library/ff408909.aspx>

---

### Question: 202

---

You have a SharePoint site that has the URL <http://contoso.com/hr>. You are creating a new Web Part. You need to create a reference to the current subsite without having to dispose of any returned objects. Which code segment should you use?

- A. Dim siteCollection As New SPSite("http://www.contoso.com")  
Dim site As SPWebCollection = siteCollection.AllWebs
- B. Dim siteCollection As New SPSite("http://www.contoso.com")  
Dim site As SPWeb = siteCollection.RootWeb
- C. Dim site As SPSite = SPContext.Current.Site
- D. Dim site As SPWeb = SPContext.Current.Web

---

**Answer: D**

---



---

### Question: 203

---

You create a Feature.

You need to add an item to the context menu of a list.

Which type of element should you use?

- A. a ListInstance
- B. a ListTemplate
- C. a CustomAction
- D. a Module

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "context menu item = CustomAction"

A custom action can be added inside a secondary XML file, part of a normal feature. It is defined by a "CustomAction" element type.

How to add a custom action to list elements context menu

<http://www.dev4side.com/community/technical-articles/sharepoint-2007/how-to-add-a-customaction-listelements-context-menu.aspx>

to-

---

**Question: 204**

---

You are creating a Web Part. The Web Part will be used in a SharePoint subsite that has the URL <http://www.contoso.com/hr>. You need to ensure that the Web Part activates a Feature in the subsite without causing a memory leak. Which code segment should you use?

- A. `Dim featuresCollect As SPFeatureCollection = SPContext.Current.SiteFeatures`  
`featuresCollect.Add(New Guid("xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"),`  
`True)`
- B. `Dim featuresCollect As SPFeatureCollection = SPContext.Current.WebFeatures`  
`featuresCollect.Add(New Guid("xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"),`  
`True)`
- C. `Dim web As New SPSite("http://www.contoso.com/hr")`  
`Dim featureCollect As SPFeatureCollection = web.Features`  
`featureCollect.Add(New Guid("xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"),`  
`True)`
- D. `Dim web As SPWeb = New SPSite("http://www.contoso.com/hr").OpenWeb()`  
`Dim featureCollect As SPFeatureCollection = web.Features`  
`featureCollect.Add(New Guid("xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"),`  
`True)`

---

**Answer: B**

---

---

**Question: 205**

---

You are running a default installation of Microsoft Visual Studio 2010. You have a user control named `Control.ascx`. You need to convert the user control to a Web Part that will be hosted in a Microsoft SharePoint Server 2010 farm. The Web Part must be packaged as a sandboxed solution. What should you do?

- A. Create a new Web Part and reuse the code from the existing `MyControl.ascx` file.
- B. Import the user control into a new Visual Web Part and use the existing `MyControl.ascx` file.
- C. Modify the `SafeControls` section of the `web.config` file.
- D. Copy the `Control.ascx` file to the `ControlTemplates` folder.

---

**Answer: A**

---

---

**Question: 206**

---

You are running a default installation of Microsoft Visual Studio 2010. You have a Web Part named `WebPart1`. `WebPart1` runs on a Microsoft Office SharePoint Server 2007 server. You need to ensure that `WebPart1` can run as a sandboxed solution in Microsoft SharePoint Server 2010. What should you do?

- A. Create a new Visual Web Part by using the code from `WebPart1`.
- B. Create a new Web Part by using the code from `WebPart1`.
- C. Create an ASCX file for `WebPart1`, and then copy the file to the ISAPI folder.
- D. Create an ASCX file for `WebPart1`, and then copy the file to the `CONTROLTEMPLATES` folder.

---

**Answer: A**

---

---

**Question: 207**

---

You are creating two Web Parts named WPMaster and WPDetails.

You need to ensure that when an item is selected from WPMaster, the details of the item are displayed in WPDetails.

This must occur without requiring WPDetails to retrieve the existing item from the data source.

What should you implement in WPMaster?

- A. IWebActionable
- B. IWebPartTable
- C. IListProvider
- D. IWebPartRow

---

**Answer: D**

---

---

**Question: 208**

---

You develop a custom master page.

You need to ensure that all pages that use the master page contain a specific image in the same location. Page developers must be able to change the image on individual pages without impacting other pages that use the same master page.

What should you add to the master page?

- A. a ContentPlaceHolder control
- B. an HTML Div element
- C. a Placeholder control
- D. an Image control

---

**Answer: A**

---

---

**Question: 209**

---

You create custom code to import content to SharePoint sites.

You create a custom site definition by using Microsoft Visual Studio 2010.

You need to ensure that when a new site that uses the custom site definition is created, the custom code executes after the site is created.

Which class should you add to the project?

- A. SPEmailEventReceiver
- B. SPWebProvisioningProvider
- C. SPItemEventReceiver
- D. SPChangeFile

---

**Answer: B**

---

Explanation:

MNEMONIC RULE: "new site created = SPWebProvisioningProvider"

Provides a handler for responding to Web site creation.

SPWebProvisioningProvider Class

<http://msdn.microsoft.com/en-s/library/microsoft.sharepoint.spwebprovisioningprovider.aspx>

Topic 3, Mix Questions

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### Question: 210

---

You create a custom site definition named DCS. You create a site provision handler for DCS. DCS contains a file named DCSTemplate.xsd that stores configuration data. You need to read the content of DCSTemplate.xsd in the site provision handler. Which property should you use?

- A. SPSite.GetCustomWebTemplates(1033)["DCS"].ProvisionClass
- B. SPWebApplication.DataRetrievalProvider
- C. SPWebProvisioningProperties.Data
- D. SPWebProvisioningProperties.Web.DataRetrievalServicesSettings

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "configuration data = SPWebProvisioningProperties.Data"

Gets custom data that is used in creating the Web site.

SPWebProvisioningProperties.Data Property

<http://msdn.microsoft.com/enus/>

<library/microsoft.sharepoint.spwebprovisioningproperties.data.aspx>

---

### Question: 211

---

You create a custom Web Part. You need to verify whether the Web Part causes any memory leaks. Which tool should you use?

- A. SPDisposeCheck.exe
- B. SPMetal.exe
- C. Wca.exe
- D. WinDbg.exe

---

**Answer: A**

---

Explanation:

MNEMONIC RULE: "memory leaks = SPDisposeCheck"

SPDisposeCheck is a tool that helps developers and administrators check custom SharePoint solutions that use the SharePoint Object Model helping measure against known Microsoft dispose best practices. This tool may not show all memory leaks in your code and may produce false positives which need further review by subject matter experts.

SharePoint Dispose Checker Tool

<http://archive.msdn.microsoft.com/SPDisposeCheck>

---

### Question: 212

---

You update a solution validator. You need to ensure that all SharePoint solutions are validated the next time the solutions are executed. What should you do?

- A. Modify the Guid attribute of the solution validator.
- B. Deactivate and activate all of the installed solutions.

- C. Modify the Signature property of the solution validator.  
 D. In the Feature that deploys the solution validator, modify the Version attribute of the Feature element.

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "signature solution validator"

Gets or sets the version number and state hash of a solution validator.

SPSolutionValidator.Signature Property

<http://msdn.microsoft.com/enus/>

<library/microsoft.sharepoint.usercode.spsolutionvalidator.signature.aspx>

---

### Question: 213

---

You have a SharePoint site collection that contains 100 subsites.

You plan to create a Web Part. The Web Part will be deployed to each subsite.

You need to ensure that the Web Part retrieves all of the files in the root directory of the current subsite.

You write the following code segment. (Line numbers are included for reference only.)

01Dim site As SPSite = SPContext.Current.Site

02Dim web As SPWeb = SPContext.Current.Web

03

Which code segment should you add at line 03?

- A. site.AllWebs[1].Files
- B. Site.RootWeb.Lists[0].Items
- C. web.Files
- D. web.RootFolder.SubFolders[0].Files web.Users.Add(currentUser.LoginName, currentUser.Email, currentUser.Name, "")

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "current subsite = web = web.Files"

Gets the collection of all files in the root directory of the website.

SPWeb.Files Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spweb.files.aspx>

---

### Question: 214

---

You have a SharePoint farm that has more than 100 custom Features. You upgrade several Features in the farm. You need to ensure that the site collection uses the most up-to-date versions of the Features. Only Features that require an upgrade must be evaluated.

Which code segment should you use?

- A. Dim webServices As New SPWebServiceCollection(SPFarm.Local)  
 For Each myWebService1 As SPWebService In webServices  
 Dim queryResults As SPFeatureQueryResultCollection =  
 myWebService1.QueryFeatures(SPFeatureScope.Site, True)  
 Dim featureEnumerator As IEnumerator(Of SPFeature) = queryResults.GetEnumerator()



```

While featureEnumerator.MoveNext()
Dim feature As SPFeature = featureEnumerator.Current
feature.Upgrade(False)
End While
Next
B. Dim webServices As New SPWebServiceCollection(SPFarm.Local)
For Each myWebService1 As SPWebService In webServices
Dim queryResults As SPFeatureQueryResultCollection =
myWebService1.QueryFeatures(SPFeatureScope.Web, True)
Dim featureEnumerator As IEnumerator(Of SPFeature) = queryResults.GetEnumerator()
While featureEnumerator.MoveNext()
Dim feature As SPFeature = featureEnumerator.Current
feature.Upgrade(False)
End While
Next
C. Dim site As SPSite = SPContext.Current.Site
Dim allFeatures As SPFeatureCollection = site.Features
For Each currentFeature As SPFeature In allFeatures
currentFeature.Upgrade(True)
Next
D. Dim web As SPWeb = SPContext.Current.Web
Dim allFeatures As SPFeatureCollection = web.Features
For Each currentFeature As SPFeature In allFeatures
currentFeature.Upgrade(True)
Next

```

---

**Answer: A**

---

Explanation:

MNEMONIC RULE: "large chunk of code, SPFeatureScope.Site"

Since we are working with the site collection, we need to use SPFeatureScope.Site, not SPFeatureScope.Web.

needsUpgrade (Boolean): if true, only features that need to be upgraded are included. If false, only features that do not need to be upgraded are included.

SPSite.QueryFeatures Method (Guid, Boolean)

<http://msdn.microsoft.com/en-us/library/ee545763.aspx>

---

### Question: 215

---

You are creating an application. You develop a custom control that renders a contextual tab.

The control contains the following code segment. (Line numbers are included for reference only.)

```

01 Protected Overrides Sub OnPreRender(ByVal e As EventArgs)
02 Dim curRibbon As SPRibbon = SPRibbon.GetCurrent(Me.Page)
03
04 curRibbon.MakeContextualGroupInitiallyVisible
("SP.Ribbon.ContextualGroup", String.Empty)
05 MyBase.OnPreRender(e)
06 End Sub

```

You need to ensure that when the custom control is rendered, the custom contextual tab appears in the Ribbon. Which code segment should you add at line 03?

A. curRibbon.Enabled = true

- B. curRibbon.MakeRTEContextualTabsAvailable("SP.Ribbon.ContextualTab ")
- C. curRibbon.MakeTabAvailable("SP.Ribbon.ContextualTab")
- D. curRibbon.Visible = true

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "MakeTabAvailable"

Ribbon.MakeTabAvailable Method (String)

<http://msdn.microsoft.com/en-us/library/ff409505.aspx>

---

### Question: 216

---

You have a SharePoint list named Announcements. You have an event receiver that contains the following code segment. (Line numbers are included for reference only.)

01Public Overloads Overrides Sub ItemAdding(ByVal properties As SPItemEventProperties)

02If properties.ListItem("Title").ToString().Contains("secret") Then

03

04End If

05End Sub

You need to prevent users from adding items that contain the word "secret" in the title to the list.

Which code segment should you add at line 03?

- A. properties.Cancel = false
- B. properties.Cancel = true
- C. properties.Status = SPEventReceiverStatus.Continue
- D. Exit Sub

---

**Answer: B**

---



---

### Question: 217

---

You create a client application that remotely calls the Business Connectivity Services (BCS) object model. You need to create the context that will be used to request a cache refresh. Which code segment should you use?

A. Dim cCtx As BdcService = SPFarm.Local.Services.GetValue(Of BdcService)(String.Empty)

B. Dim cCtx As New ClientContext(String.Empty)

C. Dim cCtx As New RemoteOfflineRuntime()

D. Dim cCtx As New RemoteSharedFileBackedMetadataCatalog()

---

**Answer: C**

---



---

### Question: 218

---

You create a Web Part. The Web Part contains a grid view named GridView1 and the following code segment. (Line numbers are included for reference only.)

01 Dim dc As New IntranetDataContext("http://intranet")

02 MyGridView.DataSource = From announce In dc.Announcements \_

03

04 Select announce IntranetDataContext is a LINQ context.

You need to ensure that GridView1 only displays items from Announcements that have an expiry date that is greater than or equal to the current date. What should you do?

A. Change line 04 to the following code segment.

Select Not announce.Expires.HasValue

B. Change line 04 to the following code segment.

Select announce.Expires.Value.CompareTo(DateTime.Now) >= 0

C. Add the following line of code at line 03.

Where announce.Expires.Value.CompareTo(DateTime.Now) >= 0 \_

D. Add the following line of code at line 03.

Order By announce.Expires.Value.CompareTo(DateTime.Now) >= 0 \_

---

**Answer: C**

---



---

### Question: 219

---

You have a SharePoint Web application that has the URL `http://intranet`. You are creating a Microsoft .NET Framework application that will display the title of the SharePoint Web application and will execute outside of the SharePoint server. You create a textbox named `textBoxTitle`. You write the following code segment. (Line numbers are included for reference only.)

01Dim context As New ClientContext("http://intranet")

02

03Dim site As Web = context.Web

04context.Load(site)

05

06textBoxTitle.Text = site.Title

You discover that line 04 generates an error. You need to ensure that the .NET application displays the title of the SharePoint Web application in `textBoxTitle`. What should you do?

A. Add the following line of code at line 02.

context.ExecuteQuery()

B. Add the following line of code at line 02.

context.ValidateOnClient = true

C. Add the following line of code at line 05.

context.ExecuteQuery()

D. Add the following line of code at line 05.

context.ValidateOnClient = true

---

**Answer: C**

---



---

### Question: 220

---

You have a Microsoft .NET Framework console application that uses the SharePoint client object model. The application contains the following code segment. (Line numbers are included for reference only.)

01 Dim cCtx As ClientContext = New ClientContext("http://contoso/sites/finance")

02 Dim root As Web = cCtx.Site.RootWeb

03 cCtx.Load(root)

04 Dim webInfo As WebCreationInformation = New WebCreationInformation

05 webInfo.Title = "site1"

```

06 webInfo.Url = "site1"
07 webInfo.WebTemplate = "MPS#2"
08 root.Webs.Add(webInfo)
09
10 cCtx.Dispose

```

You need to ensure that the application queries Shared Documents for a document named Doc1.docx. Which code element should you add at line 09?

- A. <FieldRef Name='FileDirRef'/>
- B. <FieldRef Name='FileLeafRef'/>
- C. <FieldRef Name='FileRef'/>
- D. <FieldRef Name='File\_x0020\_Type'/>

---

**Answer: B**

---



---

### Question: 221

---

You have a document library named MyDocs. MyDocs has a column named Column1. Column1 is a required column. You discover that many documents are checked out because users fail to enter a value for Column1. You need to create a Web Part to delete the documents. Which code segment should you include in the Web Part?

- A. For Each file As SPCheckedOutFile In  
CType(SPContext.Current.Web.Lists("MyDocs"),SPDocumentLibrary).CheckedOutFiles  
file.Delete  
Next
- B. For Each file As SPListItem In SPContext.Current.Web.Lists("MyDocs").Items  
If (file("CheckOutStatus") = "CheckOut") Then  
file.Delete  
End If  
Next
- C. For Each file As SPListItem In  
CType(SPContext.Current.Web.Lists("MyDocs"),SPDocumentLibrary).Items  
If (file("CheckOutStatus") = "CheckOut") Then  
file.Delete  
End If  
Next
- D. For Each file As SPCheckedOutFile In  
CType(SPContext.Current.Web.Lists("MyDocs"),SPDocumentLibrary).CheckedOutFiles  
file.TakeOverCheckOut  
Next

---

**Answer: A**

---



---

### Question: 222

---

You need to create a Web Part that displays all social tags entered by users. Which code segment should you use?

- A. Dim session As New TaxonomySession(SPContext.Current.Site)  
Dim socialTags As TermSet = session.DefaultKeywordsTermStore.SystemGroup.TermSets("Keywords")
- B. Dim session As New TaxonomySession(SPContext.Current.Site)

Dim socialTags As TermSet = session.DefaultKeywordsTermStore.SystemGroup.TermSets("Tags")  
 C. Dim socialTags As TermSet = DirectCast (SPContext.Current.Site.WebApplication.Properties("Tags"), TermSet)  
 D. Dim socialTags As TermSet = DirectCast (SPContext.Current.Web.AllProperties("Keywords"), TermSet)

---

**Answer: A**

---



---

### Question: 223

---

You have a list named Projects that contains a column named ClassificationMetadat

a. You need to create a Web Part that updates the ClassificationMetadata value to NA for each item in the Projects list.

You write the following code segment. (Line numbers are included for reference only.)

```
01 For Each currentItem As SPListItem In SPContext.Current.Web.Lists("Projects").Items
```

```
02
```

```
03 Next
```

Which code segment should you add at line 02?

A. currentItem("ClassificationMetadata") = "NA"

B. currentItem.Fields("ClassificationMetadata").DefaultFormula = "NA"

C. currentItem.Fields("ClassificationMetadata").DefaultValue = "NA"

D. currentItem("Value") = "ClassificationMetadata/NA"

---

**Answer: A**

---



---

### Question: 224

---

You have a Web application that contains the following code segment.

```
Private Sub CreatingSPSite()
```

```
Dim siteCollection As SPSite = Nothing
```

```
Try
```

```
siteCollection = New SPSite("http://contoso.com")
```

```
Finally
```

```
End Try
```

```
End Sub
```

You need to prevent the code segment from causing a memory leak. Which code segment should you add?

A. if (siteCollection != null)

```
{
siteCollection.Close();
}
```

B. if (siteCollection != null)

```
{
siteCollection.Dispose();
}
```

C. siteCollection = null;

D. siteCollection.WriteLocked = false;

---

**Answer: B**

---

Explanation:

MNEMONIC RULE: "Dispose of memory leak"

Difference between Close() and Dispose() Method

<http://dotnetguts.blogspot.com/2007/06/difference-between-close-and-dispose.html>

---

**Question: 225**

---

You deploy a custom Web Part named WebPart1 to a SharePoint site. WebPart1 contains the following code segment. (Line numbers are included for reference only.)

```
01 Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs)
02 Dim site As SPSite = Nothing
03 Try
04 Dim site As New SPSite("http://www.contoso.com/default.aspx")
05 Dim web As SPWeb = site.OpenWeb()
06
07 ...
08 Catch
09
10 Finally
11
12 End Try
13 End Sub
```

After you deploy WebPart1, users report that the pages on the site load slowly. You retract WebPart1 from the site. Users report that the pages on the site load without delay. You need to modify the code in WebPart1 to prevent the pages from loading slowly. What should you do?

- A. Add the following line of code at line 06.  
site.ReadOnly = True
- B. Add the following line of code at line 09.  
site.Dispose()
- C. Add the following line of code at line 11.  
site.Dispose()
- D. Add the following line of code at line 11.  
site.ReadOnly = True

---

**Answer: C**

---

---

**Question: 226**

---

You have a Web Part that contains the following code segment. (Line numbers are included for reference only.)

```
01 Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs)
02 Dim site As New SPSite("http://www.contoso.com/default.aspx")
03 If True Then
04 Dim web As SPWeb = site.OpenWeb()
05
06 End If
07 End Sub
```

You deploy the Web Part to a SharePoint site. After you deploy the Web Part, users report that the site loads slowly. You need to modify the Web Part to prevent the site from loading slowly. What should you do?

- A. Add the following line of code at line 05.  
web.Close()
- B. Add the following line of code at line 05.

web.Dispose()

C. Add the following line of code at line 05.

site.Close()

D. Change line 02 to the following code segment.

Using site As New SPSite("http://www.contoso.com/default.aspx")

---

**Answer: D**

---



---

**Question: 227**

---

You create an event receiver. The ItemAdded method for the event receiver contains the following code segment. (Line numbers are included for reference only.)

```
01 Dim recWeb As SPWeb = properties.Web
02 Using siteCollection As New SPSite("http://site1/hr")
03 Using web As SPWeb = siteCollection.OpenWeb()
04 Dim oWeb As PublishingWeb = PublishingWeb.GetPublishingWeb(web)
05 Dim pubWebs As PublishingWebCollection = oWeb.GetPublishingWebs()
06 For Each iWeb As PublishingWeb In pubWebs
07 Try
08 Dim page As SPFile = web.GetFile("/Pages/default.aspx")
09 Dim wpManager As SPLimitedWebPartManager =
page.GetLimitedWebPartManager(PersonalizationScope.[Shared])
10 Finally
11 If iWeb IsNot Nothing Then
12 iWeb.Close()
13 End If
14 End Try
15 Next
16 End Using
17 End Using
```

You need to prevent the event receiver from causing memory leaks. Which object should you dispose of?

- A. oWeb at line 04
- B. recWeb at line 01
- C. wpManager at line 09
- D. wpManager.Web at line 09

---

**Answer: D**

---



---

**Question: 228**

---

You need to add a modal dialog box to a SharePoint application. What should you use?

- A. the Core.js JavaScript
- B. the Microsoft.SharePoint assembly
- C. the Microsoft.SharePoint.Client assembly
- D. the SP.js JavaScript

---

**Answer: D**

---

Explanation:

MNEMONIC RULE: "SP.js"

SP.UI namespace is defined in SP.Core.js, SP.js, SP.UI.Dialog.js files. ModalDialog is a part of SP.UI namespace.

JavaScript Class Library

<http://msdn.microsoft.com/en-us/library/ee538253.aspx>

---

### Question: 229

---

You plan to add a custom tab to the Ribbon in a SharePoint Web application. You create a custom Feature that contains an Elements.xml file. You need to ensure that the custom tab only appears in the document libraries of the Web application. Which code segment should you add to the Custom Action node of the Elements.xml file?

- A. Location="DocumentLibrary"
- B. RegistrationId="101"
- C. RegistrationType="List"
- D. ShowInLists="false"

---

**Answer: B**

---

Explanation:

MNEMONIC RULE: "document libraries 101"

SharePoint: RegistrationId List Template Type IDs

<http://techtrainingnotes.blogspot.com/2008/01/sharepoint-registrationid-list-template.html>

Work with the SharePoint 2010 Ribbon User Interface

<http://msdn.microsoft.com/en-us/library/ff630938.aspx>

---

### Question: 230

---

You have one Web application that contains several SharePoint site collections. You need to create a Feature that adds a custom button to the Documents tab on the Ribbon of one site collection only. What should you do?

- A. Create a new Feature. In a new <CommandUIDefinition> node, specify the location of Ribbon.Tabs.\_children.
- B. Create a new Feature. In a new <CommandUIDefinition> node, specify the location of Ribbon.Documents.Manage.Controls.\_children.
- C. Modify the CMDUI.xml file. In a new <CommandUIDefinition> node, specify the location of Ribbon.Tabs.\_children.
- D. Modify the CMDUI.xml file. In a new <CommandUIDefinition> node, specify the location of Ribbon.Documents.Manage.Controls.\_children.

---

**Answer: B**

---



---

### Question: 231

---

You create a Feature. You need remove the link to the Site Content Type page from the Site Settings page by using the Feature. Which element should you use in the Feature?

- A. ContentType
- B. ContentTypeBinding
- C. HideCustomAction
- D. Module



---

**Answer: C**


---

Explanation:

MNEMONIC RULE: "remove = HideCustomAction"

Use the HideCustomAction element to hide an existing action that is implemented by default within the infrastructure of Microsoft SharePoint Foundation Features, or within another custom action.

<HideCustomAction

GroupId = "Text"

HideActionId = "Text"

Id = "Text"

Location = "Text">

</HideCustomAction>

HideCustomAction Element

<http://msdn.microsoft.com/en-us/library/ms414790.aspx>

---

### Question: 232

---

You have a custom master page named MyApplication.master.

You need to apply MyApplication.master to only a custom application page in a SharePoint site.

You must achieve the goal by using the minimum amount of effort.

What should you do?

A. Add a custom HTTP module to the Web application that modifies the master page.

B. Add a custom HTTP module to the Web application that modifies the custom application page.

C. Set the MasterPageFile attribute to ~/\_layouts/MyApplication.master in the @Page directive of the custom application page.

D. Rename the custom application page as application.master and overwrite the default application.master page in the 14\TEMPLATE\LAYOUTS folder.

---

**Answer: C**


---

Explanation:

MNEMONIC RULE: "custom master page = MasterPageFile"

Using a Page Specific Master Page in SharePoint 2010

<http://kjellsj.blogspot.com/2010/07/using-page-specific-master-page-in.html>

---

### Question: 233

---

You develop a new publishing page layout named MyPage.aspx for a SharePoint site. You create an Elements.xml file.

Elements.xml contains the following code segment. (Line numbers are included for reference only.)

01<File Url="mypage.aspx" Type="GhostableInLibrary" IgnoreIfAlreadyExists="TRUE">

02<Property Name="Title" Value="MyPage" />

03<Property Name="ContentType" Value="\$Resources:cmscore,contenttype\_pagelayout\_name;" />

04<Property Name="PublishingAssociatedContentType" Value="";

05#\$Resources:cmscore,contenttype\_page\_name;;

06

#0x01010007FF3E057FA8AB4AA42FCB67B453FFC100E214EEE741181F4E9F7ACC43278EE8

11;#"/>

07

08</File>

You need to prevent users from creating pages based on the page layout. Which property tag should you add at line 07?

- A. <Property Name="Hidden" Value="True" />
- B. <Property Name="PublishingHidden" Value="True" />
- C. <Property Name="RequireSiteAdministrator" Value="False" />
- D. <Property Name="Rights" Value="ViewListItems" />

---

**Answer: B**

---

Explanation:

MNEMONIC RULE: "publishing page = PublishingHidden"

How to Restrict page layouts to specific Sites?

<http://social.msdn.microsoft.com/Forums/en-US/sharepointdevelopment/thread/23f31f34-d244-46f4-8dbbca3405d3a6c6>

---

### Question: 234

---

You need to create a Web control that displays HTML content during the last stage of the page processing lifecycle. Which method should you override in the Web control?

- A. LoadControlState
- B. Render
- C. SaveViewState
- D. SetDesignModeState

---

**Answer: B**

---

Explanation:

MNEMONIC RULE: "Render"

Render

This is not an event; instead, at this stage of processing, the Page object calls this method on each control. All ASP.NET Web server controls have a Render method that writes out the control's markup to send to the browser.

If you create a custom control, you typically override this method to output the control's markup.

ASP.NET Page Life Cycle Overview

<http://msdn.microsoft.com/en-us/library/ms178472.aspx>

---

### Question: 235

---

You need to create a Web control that displays an ASCX control. Which event should you use?

- A. CreateChildControls
- B. LoadControlState
- C. SaveViewState
- D. SetDesignModeState

---

**Answer: A**

---

Explanation:

MNEMONIC RULE: "display ASCX control = CreateChildControl"

BaseFieldControl.CreateChildControls Method

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.webcontrols.basefieldcontrol.createchildcontrols.aspx](http://msdn.microsoft.com/enus/library/microsoft.sharepoint.webcontrols.basefieldcontrol.createchildcontrols.aspx)

---

### Question: 236

---

You have a Web Part named WebPart1. WebPart1 runs on a Microsoft Office SharePoint Server 2007 server. You need to ensure that WebPart1 can run as a sandboxed solution in SharePoint Server 2010. What should you do?

- A. Create a new Web Part by using the code from WebPart1.
- B. Create a new Visual Web Part by using the code from WebPart1.
- C. Create an ASCX file for WebPart1, and then copy the file to the ISAPI folder.
- D. Create an ASCX file for WebPart1, and then copy the file to the CONTROLTEMPLATES folder.

---

**Answer: A**

---

Explanation:

MNEMONIC RULE: "new Web Part"

Since sandboxed solutions have been introduced only with SharePoint 2010, your only option is to use the MOSS 2007 Web Part source code and create a new sandboxed Web Part.

---

### Question: 237

---

You need to convert a user control named Control.ascx to a SharePoint Web Part. The Web Part must be packaged as a user solution. What should you do?

- A. Modify the SafeControls section of the web.config file.
- B. Copy the Control.ascx file to the ControlTemplates folder.
- C. Create a new Visual Web Part and use the existing MyControl.ascx file.
- D. Create a new Web Part and reuse the code from the MyControl.ascx file.

---

**Answer: D**

---

Explanation:

MNEMONIC RULE: "Create a new Web Part"

Since you already have a user control, you don't need to create a Visual Web Part (by dragging and dropping user controls from the Toolbox).

---

### Question: 238

---

You plan to create a Web Part for a SharePoint site. You need to ensure that the Web Part can send data to other Web Parts in the site. What should you do?

- A. Implement the IAlertNotifyHandler interface.
- B. Implement the IAlertUpdateHandler interface.
- C. Create a custom interface that uses the WebBrowsable and the WebPartStorage attributes.
- D. Create a custom interface that uses the ConnectionProvider and ConnectionConsumer attributes.

---

**Answer: D**

---

Explanation:

MNEMONIC RULE: "send data = Provider/Consumer"

Connect Web Parts in SharePoint 2010

<http://msdn.microsoft.com/en-us/library/ff597538.aspx>

---

**Question: 239**

---

You create a SharePoint farm solution that contains a Web Part. You need to debug the Web Part by using Microsoft Visual Studio 2010. To which process should you attach the debugger?

- A. owstimer.exe
- B. spucworkerprocess.exe
- C. spucworkerprocessproxy.exe
- D. w3wp.exe

---

**Answer: B**

---

Explanation:

MNEMONIC RULE: "Sandbox worker needs no proxy"

To provide additional protection, the solution's assembly is not loaded into the main IIS process (w3wp.exe). Instead, it is loaded into a separate process (SPUCWorkerProcess.exe).

Sandboxed Solution Considerations

<http://msdn.microsoft.com/en-us/library/ee231562.aspx>

If the project type lets you change the Sandboxed Solution property and its value is set to true, then the debugger attaches to a different process (SPUCWorkerProcess.exe).

Debugging SharePoint Solutions

<http://msdn.microsoft.com/en-us/library/ee231550.aspx>

---

**Question: 240**

---

You create and deploy a custom Web Part. You add the Web Part to a page and receive a runtime error.

You need to display the detailed information of the error on the page. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

- A. In the web.config file, set CallStack="True".
- B. In the web.config file, set customErrors="RemoteOnly".
- C. In the registry, set the EnableDebug value to 1.
- D. In the registry, set the DisableLoopbackCheck value to 1.

---

**Answer: A,B**

---

Explanation:

MNEMONIC RULE: "Check all with web.config"

Turning off custom errors in \_layouts Web.Config for debugging mode in SharePoint 2010

<http://www.khamis.net/blog/Lists/Posts/Post.aspx?ID=12>

---

**Question: 241**

---

You have a Web Part that causes an error. You need to ensure that you can view the trace history in the Trace.axd file. What should you configure in the web.config file?

- A. In the <system.web> element, add the following line of code.  
`<trace enabled="true" localOnly="true" pageOutput="false" />`
- B. In the <SafeMode> element, configure the following attributes.  
`CallStack="true"`  
`AllowPageLevelTrace="true"`
- C. In the <SafeMode> element, configure the following attributes.  
`CallStack="false"`  
`AllowPageLevelTrace="true"`
- D. In the <system.web> element, configure the following element.  
`<trace enabled="false" localOnly="true" pageOutput="true" />`  
 In the <SafeMode> element, configure the following attribute.  
`AllowPageLevelTrace="true"`

---

**Answer: A**

---

Explanation:

MNEMONIC RULE: "Trace.axd = trace enabled="true""

trace Element (ASP.NET Settings Schema)

<http://msdn.microsoft.com/en-us/library/6915t83k.aspx>

---

### Question: 242

---

You create a user control named MySearchBox.ascx. You plan to change the native search control in SharePoint to MySearchBox.ascx. You implement a Feature that contains the following code segment.

```
<Control Id="SmallSearchInputBox"
Sequence="100"
ControlSrc="~/_controltemplates/MySearchBox/ MySearchBox.ascx">
</Control>
```

You discover that the MySearchBox.ascx control fails to appear. You need to ensure that the MySearchBox.ascx control appears. What should you do?

- A. Add the ControlClass attribute.
- B. Add the ControlAssembly attribute.
- C. Modify the Sequence attribute value.
- D. Remove the ControlSrc attribute value.

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "Sequence to appear"

ControlSrc is necessary for user control, whereas ControlClass and ControlAssembly are needed for servercontrols.

Sequence property specifies the sequence number for the control, which determines whether the control is added to the control tree for a page. The control with the lowest sequence number is added to the tree.

Control Element (Delegate Control)

<http://msdn.microsoft.com/en-us/library/ms469179.aspx>

---

**Question: 243**

---

You create a custom page layout that contains the following code segment. (Line numbers are included for reference only.)

01Please enter a number:

02<SharePointWebControls:InputFormTextBox ID="NumberTextBox" runat="server"/>

03

You need to prevent the page from being saved if NumberTextBox is empty. Which code segment should you add at line 03?

- A. <script type="javascript">if(document.getElementById('NumberTextBox').value = "") return false;</script>
- B. <script type="javascript">if(document.getElementById('NumberTextBox').value = "") return true;</script>
- C. <SharePointWebControls:InputFormCompareValidator ID="NumberValidator" runat="server" ControlToValidate="NumberTextBox"/>
- D. <SharePointWebControls:InputFormRequiredFieldValidator ID="NumberValidator" runat="server" ControlToValidate="NumberTextBox"/>

---

**Answer: D**

---

Explanation:

MNEMONIC RULE: "InputFormRequiredFieldValidator"

RequiredFieldValidator makes sure you provide a value for the field before the form can be submitted.

---

**Question: 244**

---

You create a custom page layout that contains code-behind. You need to identify whether the page is in Edit mode or in Display mode. What should you use?

- A. SPContext.Current.FormContext
- B. SPContext.Current.ListItem.Properties
- C. this.Form
- D. this.Web.ASPXPageIndexMode

---

**Answer: A**

---

Explanation:

MNEMONIC RULE: FormContext

Possible values for SPContext.Current.FormContext.FormMode property are Display, Edit, Invalid, and New.

SPFormContext.FormMode Property

[http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spformcontext\\_properties.aspx](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spformcontext_properties.aspx)

---

**Question: 245**

---

You create a timer job. You need to debug the timer job. To which process should you attach the debugger?

- A. devenv.exe
- B. owstimer.exe
- C. spucworkerprocess.exe

D. w3wp.exe

---

**Answer: B**

---

Explanation:

MNEMONIC RULE: "timer job = owstimer.exe"

How to: Debug a Timer Job

<http://msdn.microsoft.com/en-us/library/ff798310.aspx>

---

### Question: 246

---

You need to schedule a timer job to run every two hours. Which schedule should you use?

- A. SPDailySchedule
- B. SPHourlySchedule
- C. SPMMinuteSchedule
- D. SPOneTimeSchedule

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "SPMinuteSchedule"

SPMinuteSchedule object has Interval property that allows set the interval of the schedule to 120 minutes (2hours).

SPHourlySchedule object does not have Interval property, so it can only run a job every hour.

SPMinuteSchedule Members

[http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spminuteschedule\\_members.aspx](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spminuteschedule_members.aspx)

SPHourlySchedule Members

[http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.sphourlyschedule\\_members.aspx](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.sphourlyschedule_members.aspx)

---

### Question: 247

---

You are creating a Business Connectivity Services (BCS) entity. You need to ensure that all data returned by the entity is available in search results. Which type of method instance should you implement?

- A. Finder and GenericInvoker
- B. Finder and IDEnumerator
- C. SpecificFinder and GenericInvoker
- D. SpecificFinder and IDEnumerator

---

**Answer: D**

---

Explanation:

MNEMONIC RULE: "BCS data available = SpecificFinder and IdEnumerator"

A SpecificFinder returns exactly one external item. This stereotype is used to read an item, given its identifier.

Implementing a SpecificFinder

<http://msdn.microsoft.com/en-us/library/ff464399.aspx>

An IdEnumerator method instance on the external system enables you to return the field values that represent the identity of Entity instances of a specific Entity.

Implementing an IdEnumerator

<http://msdn.microsoft.com/en-us/library/ff464401.aspx>

---

**Question: 248**

---

You are creating an application for SharePoint Server 2010. The application will run on a remote computer. You need to identify a data access method to query lists in the application. Stronglytyped access to columns must be provided from within Microsoft Visual Studio 2010. Which method should you use?

- A. client object model
- B. LINQ to SharePoint
- C. Representational State Transfer (REST)
- D. server object model

---

**Answer: A**

---

Explanation:

MNEMONIC RULE: "remote + strongly-typed = Client Object Model"

REST is not strongly-typed, LINQ and server object model are not for remote communications.

The new client object models provide an object-oriented system for interoperating with SharePoint data from a remote computer, and they are in many respects easier to use than the already existing SharePoint Foundation Web services.

What's New: Client Object Model

<http://msdn.microsoft.com/en-us/library/ee535231.aspx>

---

**Question: 249**

---

You create a custom list named Products. You need to perform a Representational State Transfer (REST) query that returns the first product in the list. Which URL should you use?

- A. [http://intranet/\\_vti\\_bin/ListData.svc/Products\(1\)](http://intranet/_vti_bin/ListData.svc/Products(1))
- B. [http://intranet/\\_vti\\_bin/ListData.svc/Products \\$filter=1](http://intranet/_vti_bin/ListData.svc/Products $filter=1)
- C. <http://intranet/Lists/Products/AllItems.aspx contents=1>
- D. [http://intranet/Lists/Products/ListData.svc \\$expand=1](http://intranet/Lists/Products/ListData.svc $expand=1)

---

**Answer: A**

---

Explanation:

MNEMONIC RULE: "Products(1)"

[http://localhost/\\_vti\\_bin/listdata.svc/Parts\(3\)](http://localhost/_vti_bin/listdata.svc/Parts(3))

The preceding URL returns the Parts list item with an ID value of 3 as an Atom feed.

Using the REST Interface

<http://msdn.microsoft.com/en-us/library/ff798339.aspx>

---

**Question: 250**

---

You need to create a Microsoft .NET Framework console application that queries a list by using the SharePoint client object model. Which two assemblies should you reference? (Each correct answer presents part of the solution. Choose two.)

- A. Microsoft.Office.Sharepoint.ClientExtensions.dll
- B. Microsoft.SharePoint.Client.dll



- C. Microsoft.SharePoint.Client.Runtime.dll
- D. Microsoft.SharePoint.Client.Silverlight.Runtime.dll

---

**Answer: B,C**

---

Explanation:

MNEMONIC RULE: "Runtime and the parent"

SharePoint 2010: Introducing the Client Object Model

<http://www.chakkaradeep.com/post/SharePoint-2010-Introducing-the-Client-Object-Model.aspx>

---

### Question: 251

---

You create a SharePoint site by using the Document Center site template. You need to ensure that all documents added to the site have a document ID. The document ID must include the date that the document was added to the site. What should you do?

- A. Modify the DocIdRedir.aspx page.
- B. Modify the Onet.xml file of the site.
- C. Register a class that derives from DocumentId.
- D. Register a class that derives from DocumentIdProvider.

---

**Answer: D**

---

Explanation:

MNEMONIC RULE: "provide Document ID for added documents"

Represents the base abstract class for implementing a Document ID generator.

DocumentIdProvider Class

<http://msdn.microsoft.com/enus/>

[library/microsoft.office.documentmanagement.documentidprovider.aspx](http://msdn.microsoft.com/enus/library/microsoft.office.documentmanagement.documentidprovider.aspx)

---

### Question: 252

---

You need to create a custom Web Part that meets the following requirements:

- Includes all of the functionalities of the Search Results Web Part
- Includes additional filters based on the current user department

What should you do?

- A. Create a Web Part that inherits the CoreResultsWebPart class.
- B. Create a Web Part that inherits the SearchResultsBaseDatasource class.
- C. Modify the SearchDisco.aspx page and modify the descriptor file for the Search Summary Web Part.
- D. Modify the SearchDisco.aspx page and modify the descriptor file for the Search Core Results Web Part.

---

**Answer: A**

---

Explanation:

MNEMONIC RULE: "Search Results Web Part = CoreResultsWebPart"

Specifies the user interface (UI) control that displays the results for a search query in the SharePoint EnterpriseSearch UI

CoreResultsWebPart Class

<http://msdn.microsoft.com/en->

us/library/microsoft.office.server.search.webcontrols.coreresultswebpart.aspx

---

### Question: 253

---

You create a class that inherits the SPPersistedObject class. The class has a field named Field1. You need to ensure that Field1 can be serialized and stored in the SharePoint configuration database. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two)

- A. Add the default empty constructor.
- B. Mark Field1 with the [Persisted] attribute.
- C. Mark Field1 with the [Serializable] attribute.
- D. Set the value of the SPWeb.AllowUnsafeUpdate property.

---

**Answer: A,B**

---

Explanation:

MNEMONIC RULE: "[Persisted] + empty constructor"

SPPersistedObject Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.administration.sppersistedobject.aspx>

The skinny on SPersistedObject and the Hierarchical Object Store in SharePoint 2010

<http://www.chaholl.com/archive/2011/01/30/the-skinny-on-sppersistedobject-and-the-hierarchicalobject-storein.aspx>

---

### Question: 254

---

You deploy a custom Web Part named WebPart1 to a SharePoint site.

WebPart1 contains the following code segment. (Line numbers are included for reference only.)

```
01 protected void Page_Load(object sender, EventArgs e)
02 {
03 SPSP site = null;
04 try
05 {
06 SPSP site = new SPSP("http://www.contoso.com/default.aspx");
07 SPWeb web = site.OpenWeb();
08
09 ...
10 }
11 catch
12 {
13
14 }
15 finally
16 {
17
18 }
19 }
```

After you deploy WebPart1, users report that the pages on the site load slowly.

You retract WebPart1 from the site.

Users report that the pages on the site load without delay. You need to modify the code in WebPart1 to prevent the pages from loading slowly.

What should you do?

- A. Add the following line of code at line 08:  
site.ReadOnly = true;
- B. Add the following line of code at line 13:  
site.Dispose();
- C. Add the following line of code at line 17:  
site.Dispose();
- D. Add the following line of code at line 17:  
site.ReadOnly = true;

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "finally dispose"

Disposing Objects

<http://msdn.microsoft.com/en-us/library/ee557362.aspx>

---

### Question: 255

---

You have a Web Part that contains the following code segment. (Line numbers are included for reference only.)

```
01 protected void Page_Load(object sender, EventArgs e)
02 {
03 SPSPSite site = new SPSPSite("http://www.contoso.com/default.aspx");
04 {
05 SPWeb web = site.OpenWeb();
06
07 }
08 }
```

You deploy the Web Part to a SharePoint site.

After you deploy the Web Part, users report that the site loads slowly. You need to modify the Web Part to prevent the site from loading slowly.

What should you do?

- A. Add the following line of code at line 06:  
web.Close();
- B. Add the following line of code at line 06:  
web.Dispose();
- C. Add the following line of code at line 06:  
site.Close();
- D. Change line 03 to the following code segment:  
using (SPSPSite site = new SPSPSite("http://www.contoso.com/default.aspx"))

---

**Answer: D**

---

Explanation:

MNEMONIC RULE: "using statement"

You can automatically dispose SharePoint objects that implement the IDisposable interface by using the Microsoft Visual C# and Visual Basic using statement.

Disposing Objects

<http://msdn.microsoft.com/en-us/library/ee557362.aspx>

---

### Question: 256

---

You create an event receiver.

The ItemAdded method for the event receiver contains the following code segment. (Line numbers are included for reference only.)

```
01 SPWeb recWeb = properties.Web;
02 using (SPSite siteCollection = new SPSite("http://site1/hr"))
03 {
04 using (SPWeb web = siteCollection.OpenWeb())
05 {
06 PublishingWeb oWeb = PublishingWeb.GetPublishingWeb(web);
07 PublishingWebCollection pubWebs = oWeb.GetPublishingWebs();
08 foreach (PublishingWeb iWeb in pubWebs)
09 {
10 try
11 {
12 SPFile page = web.GetFile("/Pages/default.aspx");
13 SPLimitedWebPartManager wpManager = page.GetLimitedWebPartManager(
 PersonalizationScope.Shared);
14 }
15 finally
16 {
17 if (iWeb != null)
18 {
19 iWeb.Close();
20 }
21 }
22 }
23 }
24 }
```

You need to prevent the event receiver from causing memory leaks.

Which object should you dispose of?

- A. oWeb at line 06
- B. recWeb at line 01
- C. wpManager at line 13
- D. wpManager.Web at line 13

---

**Answer: D**

---

Explanation:

MNEMONIC RULE: "sneaky, sneaky wpManager.Web"

Gets the web that this Web Part Page is stored in.

SPLimitedWebPartManager.Web Property

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.webpartpages.splimitedwebpartmanager.web.aspx](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.webpartpages.splimitedwebpartmanager.web.aspx)

---

### Question: 257

---

You are creating an application page that will open a dialog box.

The dialog box uses a custom master page. You write the following code segment. (Line numbers are included for reference only.)

```
01 <script type="text/javascript">
02 function DialogCallback(dialogResult, returnValue)
03 {
04 }
05 function OpenEditDialog(id)
06 {
07 var options = {
08 url:"http://intranet/_layouts/MsgToShow.aspx,
09 width: 300,
10 height: 300,
11 dialogReturnValueCallback: DialogCallback
12 };
13 SP.UI.ModalDialog.showModalDialog(options);
14 }
15 </script>
```

You need to ensure that the code opens the dialog box.

What should you do?

- A. Add a script link that references SP.js.
- B. Add a script link that references SharePoint.Dialog.js.
- C. At line 13, change showModalDialog to openDialog.
- D. At line 13, change showModalDialog to commonModalDialogOpen.

---

**Answer: A**

---

Explanation:

MNEMONIC RULE: "SP.js"

SP.UI namespace is defined in SP.Core.js, SP.js, SP.UI.Dialog.js files.

JavaScript Class Library

<http://msdn.microsoft.com/en-us/library/ee538253.aspx>

---

### Question: 258

---

You create a Visual Web Part in SharePoint Server 2010.

You need to ensure that the Web Part can access the local file system on the SharePoint server.

You must minimize the amount of privileges assigned to the Web Part.

What should you do?

- A. Elevate the trust level to Full.
- B. Elevate the trust level to WSS\_Medium.
- C. Create a custom code access security (CAS) policy.
- D. Deploy the Web Part to the Global Assembly Cache (GAC).

---

**Answer: C**

---

Explanation:

MNEMONIC RULE: "access the local file system = custom code access"

WSS\_Medium will give you access to System.Security.Permissions.FileIOPermission, but it'll also give you access to a few other assemblies/namespaces.

If the goal is to minimize the amount of privileges, then CAS is the way to go.

Securing Web Parts in SharePoint Foundation

<http://msdn.microsoft.com/en-us/library/cc768613.aspx>

---

### Question: 259

---

You are creating two Web Parts named WPMaster and WPDetails.

You need to ensure that when an item is selected from WPMaster, the details of the item are displayed in WPDetails.

What should you implement in WPMaster?

- A. ICellProvider
- B. IListProvider
- C. IWebPartRow
- D. IWebPartTable

---

**Answer: C**

---

Explanation: Section: (none)

MNEMONIC RULE: "Web Part item = IWebpartRow"

ICellProvider is now obsolete, you should use IWebPartField instead. This gives you a single field of data to work with.

IListProvider is now obsolete, you should use IWebPartTable instead.

IWebPartTable gives you an entire table of data.

Defines a provider interface for connecting two server controls using a single row of data.

IWebPartRow Interface

<http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webparts.iwebpartrow.aspx>

---

### Question: 260

---

You have a SharePoint site collection that contains 100 subsites.

You plan to create a Web Part. The Web Part will be deployed to each subsite.

You need to ensure that the Web Part retrieves all of the files in the root directory of the current subsite.

You write the following code segment. (Line numbers are included for reference only.)

```
01 SPSite site = SPContext.Current.Site;
```

```
02 SPWeb web = SPContext.Current.Web;
```

```
03
```

Which code segment should you add at line 03?

- A. site.AllWebs[1].Files;
  - B. Site.RootWeb.Lists[0].Items;
  - C. web.Files;
  - D. web.RootFolder.SubFolders[0].Files ;
- ```
web.Users.Add(currentUser.LoginName, currentUser.Email, currentUser.Name, "");
```

Answer: C

Explanation:

MNEMONIC RULE: "current subsite = web = web.Files"

Gets the collection of all files in the root directory of the website.

SPWeb.Files Property

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spweb.files.aspx>

Question: 261

You create a Feature named Feature1. Feature1 is activated in a SharePoint site.

You create a Web Part that contains the following code.

```
SPSite site = new SPSite("http://intranet/site1");
```

```
SPWeb web = site.OpenWeb();
```

```
SPFeatureDefinition feature = SPFarm.Local.FeatureDefinitions["Feature1"];
```

You need to modify the Web Part to activate Feature1 in Site1 only.

Which code segment should you add to the Web Part?

- A. site.Features.Add(feature.Id);
- B. site.WebApplication.WebService.Features.Add(feature.Id);
- C. web.Features.Add(feature.Id);
- D. web.Site.WebApplication.WebService.Features.Add(feature.Id);

Answer: C

Explanation:

MNEMONIC RULE: "add feature to http://intranet/site1"

This question is confusing. site object is a SharePoint site collection with http://intranet/site1 being the root site (or root web) of this collection.

The statement "activate Feature1 in Site1 only" makes it unclear how to treat "Site1" -- as a site collection or as a root web.

However, the second sentence of this question states: "Feature 1 is activated in SharePoint site".

Well, SPWeb class represents SharePoint website.

That's why I picked Answer C, and you are free to disagree with me.

It is possible that Answer A is the correct one for this question.

Question: 262

You have a SharePoint farm that has more than 100 custom Features.

You upgrade several Features in the farm.

You need to ensure that the site collection uses the most up-to-date versions of the Features. Only Features that require an upgrade must be evaluated.

Which code segment should you use?

```
A. SPWebServiceCollection webServices = new SPWebServiceCollection(SPFarm.Local);
```

```
foreach (SPWebService myWebService1 in webServices)
```

```
{
```

```
SPFeatureQueryResultCollection queryResults = myWebService1.QueryFeatures  
(SPFeatureScope.Site, true);
```

```
IEnumerator<SPFeature> featureEnumerator = queryResults.GetEnumerator();
```

```
while (featureEnumerator.MoveNext())
```

```
{
```

```
SPFeature feature = featureEnumerator.Current;
```

```
feature.Upgrade(false);
```

```

}
}
B. SPWebServiceCollection webServices = new SPWebServiceCollection(SPFarm.Local);
foreach (SPWebService myWebService1 in webServices)
{
    SPFeatureQueryResultCollection queryResults = myWebService1.QueryFeatures
    (SPFeatureScope.Web, true);
    IEnumerator<SPFeature> featureEnumerator = queryResults.GetEnumerator();
    while (featureEnumerator.MoveNext())
    {
        SPFeature feature = featureEnumerator.Current;
        feature.Upgrade(false);
    }
}
C. SPSite site = SPContext.Current.Site;
SPFeatureCollection allFeatures = site.Features;
foreach (SPFeature currentFeature in allFeatures)
{
    currentFeature.Upgrade(true);
}
D. SPWeb web = SPContext.Current.Web;
SPFeatureCollection allFeatures = web.Features;
foreach (SPFeature currentFeature in allFeatures)
{
    currentFeature.Upgrade(true);
}

```

Answer: A

Explanation:

MNEMONIC RULE: "large chunk of code, SPFeatureScope.Site"

Since we are working with the site collection, we need to use SPFeatureScope.Site, not SPFeatureScope.Web.

needsUpgrade (Boolean): if true, only features that need to be upgraded are included. If false, only features that do not need to be upgraded are included.

SPSite.QueryFeatures Method (Guid, Boolean)

<http://msdn.microsoft.com/en-us/library/ee545763>.

Question: 263

You are creating an application.

You develop a custom control that renders a contextual tab. The control contains the following code segment.

(Line numbers are included for reference only.)

```

01 protected override void OnPreRender(EventArgs e)
02 {
03     SPRibbon curRibbon = SPRibbon.GetCurrent(this.Page);
04
05     curRibbon.MakeContextualGroupInitiallyVisible("SP.Ribbon.ContextualGroup",
    string.Empty);
06     base.OnPreRender(e);
07 }

```

You need to ensure that when the custom control is rendered, the custom contextual tab appears in the Ribbon.

Which code segment should you add at line 04?

- A. `curRibbon.Enabled = true;`
- B. `curRibbon.MakeRTEContextualTabsAvailable("SP.Ribbon.ContextualTab");`
- C. `curRibbon.MakeTabAvailable("SP.Ribbon.ContextualTab");`
- D. `curRibbon.Visible = true;`

Answer: C

Explanation:

MNEMONIC RULE: "MakeTabAvailable"

Ribbon.MakeTabAvailable Method (String)

<http://msdn.microsoft.com/en-us/library/ff409505.aspx>

Question: 264

You have the following event receiver. (Line numbers are included for reference only.)

```
01 public override void FieldDeleting(SPListEventProperties properties)
02 {
03     base.FieldDeleting(properties);
04
05     if (properties.FieldName == "Status")
06     {
07
08
09     }
10 }
```

You need to cancel the operation and redirect the user to a custom error page if the name of the deleted field is Status.

Which code segments should you add at lines 07 and 08?

- A. 04 `properties.ReceiverData = "_layouts/customErrorPage.aspx";`
05 `properties.Cancel = true;`
- B. 04 `properties.RedirectUrl = "_layouts/customErrorPage.aspx";`
05 `properties.Cancel = true;`
- C. 04 `properties.Status = SPEventReceiverStatus.CancelWithRedirectUrl;`
05 `properties.ReceiverData = "_layouts/customErrorPage.aspx";`
- D. 04 `properties.Status = SPEventReceiverStatus.CancelWithRedirectUrl;`
05 `properties.RedirectUrl = "_layouts/customErrorPage.aspx";`

Answer: D

Explanation:

MNEMONIC RULE: "CancelWithRedirectUrl, RedirectUrl"

Redirect to URL in SharePoint Foundation 2010

<http://msdn.microsoft.com/en-us/library/ff408258.aspx>

Event Receiver and Custom Error Page

<http://blogs.msdn.com/b/vssharepointtoolsblog/archive/2010/02/15/event-receiver-and-custom-error-page.aspx>

Question: 265

You are creating an event receiver. The event receiver will have a field named Title and a field named Priority. You write the following code segment for the event receiver. (Line numbers are included for reference only.)

```
01 public override void ItemUpdating(SPItemEventProperties prop)
02 {
03
04
05
06
07 }
```

You need to ensure that when the Title field is changed to include the word IMPORTANT, the Priority field is set to URGENT.

Which code segments should you add at lines 03, 04, 05, and 06?

- A. 03 if (prop.AfterProperties["vti_title"].ToString().Contains("IMPORTANT"))


```
04 {
05 prop.AfterProperties["Priority"] = "URGENT";
06 }
```
- B. 03 if (prop.AfterProperties["vti_title"].ToString().Contains("IMPORTANT"))


```
04 {
05 prop.ListItem["Priority"] = "URGENT";
06 }
```
- C. 03 if (prop.BeforeProperties["vti_title"].ToString().Contains("IMPORTANT"))


```
04 {
05 prop.AfterProperties["Priority"] = "URGENT";
06 }
```
- D. 03 if (prop.ListItem["Title"].ToString().Contains("IMPORTANT"))


```
04 {
05 prop.AfterProperties["Priority"] = "URGENT";
06 }
```

Answer: A

Explanation: Section: (none)

MNEMONIC RULE: "AfterProperties on lines 03 and 05"

SPItemEventProperties.AfterProperties Property

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.spitemeventproperties.afterproperties.aspx](http://msdn.microsoft.com/enus/library/microsoft.sharepoint.spitemeventproperties.afterproperties.aspx)

Question: 266

You have a SharePoint list named Announcements.

You have an event receiver that contains the following code segment. (Line numbers are included for reference only.)

```
01 public override void ItemAdding(SPItemEventProperties properties)
02 {
03 if (properties.ListItem["Title"].ToString().Contains("secret"))
04 {
05
06 }
07 }
```

You need to prevent users from adding items that contain the word "secret" in the title to the list.
Which code segment should you add at line 05?

- A. properties.Cancel = false;
- B. properties.Cancel = true;
- C. properties.Status = SPEventReceiverStatus.Continue;
- D. return;

Answer: B

Explanation:

MNEMONIC RULE: "prevent from adding = cancel the event"

SPItemEventProperties.Cancel indicates whether to cancel the event

SPItemEventProperties Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spitemeventproperties.aspx>

Question: 267

You create a client application that remotely calls the Business Connectivity Services (BCS) object model.
You need to create the context that will be used to request a cache refresh.
Which code segment should you use?

- A. BdcService cCtx = SPFarm.Local.Services.GetValue<BdcService>(string.Empty);
- B. ClientContext cCtx = new ClientContext(string.Empty);
- C. RemoteOfflineRuntime cCtx = new RemoteOfflineRuntime();
- D. RemoteSharedFileBackedMetadataCatalog cCtx = new RemoteSharedFileBackedMetadataCatalog();

Answer: C

Explanation:

MNEMONIC RULE: "cache = RemoteOfflineRuntime"

Code Snippet: Programmatically Request a Cache Refresh on the Client

<http://msdn.microsoft.com/en-us/library/ee559351.aspx>

Question: 268

You need to programmatically add a user named User1 to a group named Group1.
You write the following code segment. (Line numbers are included for reference only.)

```
01 string login = "User1";
02 string grpName = "Group1";
03 SPUser user = SPContext.Current.Web.EnsureUser(login);
04 SPGroup group = SPContext.Current.Web.Groups[grpName];
05
06 group.Update();
```

Which code segment should you add at line 05?

- A. group.AddUser(user);
- B. group.Owner = user;
- C. user.AllowBrowseUserInfo = true;

D. user.Update();

Answer: A

Explanation:

MNEMONIC RULE: "add a user = AddUser()"

SPGroup.AddUser Method

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spgroup.adduser.aspx>

Question: 269

You create a Web Part.

The Web Part contains a grid view named GridView1 and the following code segment. (Line numbers are included for reference only.)

01 IntranetDataContext dc = new IntranetDataContext("http://intranet");

02 MyGridView.DataSource = from announce In dc.Announcements _ ;

03

04 Select announce IntranetDataContext is a LINQ context.

You need to ensure that GridView1 only displays items from Announcements that have an expiry date that is greater than or equal to the current date.

What should you do?

A. Change line 04 to the following code segment:

Select Not announce.Expires.HasValue

B. Change line 04 to the following code segment:

Select announce.Expires.Value.CompareTo(DateTime.Now) >= 0

C. Add the following line of code at line 03:

Where announce.Expires.Value.CompareTo(DateTime.Now) >= 0 _

D. Add the following line of code at line 03:

Order By announce.Expires.Value.CompareTo(DateTime.Now) >= 0 _

Answer: C

Explanation:

MNEMONIC RULE: "only WHERE is missing"

Just remember the order of LINQ query: FROM - WHERE - SELECT

Using LINQ to SharePoint

<http://msdn.microsoft.com/en-us/library/ee535491.aspx>

Question: 270

You have a SharePoint Web application that has the URL <http://intranet>.

You are creating a Microsoft .NET Framework application that will display the title of the SharePoint Web application and will execute outside of the SharePoint server.

You create a textbox named textBoxTitle.

You write the following code segment. (Line numbers are included for reference only.)

01 ClientContext context = new ClientContext("http://intranet");

02

03 Web site = context.Web;

04 context.Load(site);

05
 06 textBoxTitle.Text = site.Title;
 You discover that line 04 generates an error.
 You need to ensure that the .NET application displays the title of the SharePoint Web application in textBoxTitle.
 What should you do?

- A. Add the following line of code at line 02:
 context.ExecuteQuery();
- B. Add the following line of code at line 02:
 context.ValidateOnClient = true;
- C. Add the following line of code at line 05:
 context.ExecuteQuery();
- D. Add the following line of code at line 05:
 context.ValidateOnClient = true;

Answer: C

Explanation:
 MNEMONIC RULE: "ExecuteQuery() after Load()"
 Client Context as Central Object
<http://msdn.microsoft.com/en-us/library/ee536158.aspx>

Question: 271

You have a Microsoft .NET Framework console application that uses the SharePoint client object model.
 The application contains the following code segment. (Line numbers are included for reference only.)

```
01 ClientContext cCtx = new ClientContext("http://intranet/hr");
02 List sharedDocList = cCtx.Web.Lists.GetByTitle("Shared Documents");
03 CamlQuery camlQuery = new CamlQuery();
04 camlQuery.ViewXml =
05 @"<View>
06 <Query>
07 <Where>
08 <Eq>
09
10 <Value Type='Text'>Doc1.docx</Value>
11 </Eq>
12 </Where>
13 </Query>
14 </View>";
15 ListItemCollection docLibItems = sharedDocList.GetItems(camlQuery);
16 cCtx.Load(sharedDocList);
17 cCtx.Load(docLibItems);
18 cCtx.ExecuteQuery();
```

You need to ensure that the application queries Shared Documents for a document named Doc1.docx.
 Which code element should you add at line 09?

- A. <FieldRef Name='FileDirRef'/>
- B. <FieldRef Name='FileLeafRef'/>
- C. <FieldRef Name='FileRef'/>
- D. <FieldRef Name='File_x0020_Type'/>

Answer: B

Explanation:

MNEMONIC RULE: "FileLeafRef; documents are made out of Leaves"

Identifies a field that contains information about the server-relative URL for the file node that is associated with the specified SharePoint Foundation object.

SPBuiltinFieldId.FileLeafRef Field

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spbuiltinfieldid.fileleafref.aspx>

Question: 272

You have a document library named MyDocs. MyDocs has a column named Column1. Column1 is a required column. You discover that many documents are checked out because users fail to enter a value for Column1.

You need to create a Web Part to delete the documents.

Which code segment should you include in the Web Part?

A. `foreach (SPCheckedOutFile file in ((SPDocumentLibrary)SPContext.Current.Web.Lists["MyDocs"]).CheckedOutFiles)`

```
{
file.Delete();
}
```

B. `foreach (SPItem file in SPContext.Current.Web.Lists["MyDocs"].Items)`

```
{
if ((file("CheckOutStatus") == "CheckOut"))
{
file.Delete();
}
}
```

C. `foreach (SPListItem file in ((SPDocumentLibrary)SPContext.Current.Web.Lists["MyDocs"]).Items)`

```
{
if ((file("CheckOutStatus") == "CheckOut"))
{
file.Delete();
}
}
```

D. `foreach (SPCheckedOutFile file in ((SPDocumentLibrary)SPContext.Current.Web.Lists["MyDocs"]).CheckedOutFiles)`

```
{
file.TakeOverCheckOut();
}
```

Answer: A

Explanation:

MNEMONIC RULE: "SPCheckedOutFile, file.Delete()"

Represents a checked-out file in a document library or workspace.

SPCheckedOutFile Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spcheckedoutfile.aspx>

Question: 273

You need to create a Web Part that adds a term set to the current SharePoint site collection's term store. You write the following code segment. (Line numbers are included for reference only.)

```
01 System.Web.UI.WebControls.TextBox txtBoxTermSetToAdd = new System.Web.UI. WebControls.TextBox();
02 TaxonomySession session = new TaxonomySession(SPContext.Current.Site);
03 TermSet addedTerm = session.TermStores[0].Groups["MyNewTermStore"].
CreateTermSet(txtBoxTermSetToAdd.Text);
04
```

Which code segment should you add at line 04?

- A. addedTerm.Export();
- B. addedTerm.TermStore.CommitAll();
- C. SPContext.Current.Site.WebApplication.Update();
- D. SPContext.Current.Web.AllowUnsafeUpdates = true;

Answer: B

Explanation:

MNEMONIC RULE: "add a term set = TermStore.CommitAll()"

Term Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.taxonomy.term.aspx>

Question: 274

You need to create a Web Part that displays all social tags entered by users.

Which code segment should you use?

- A. TaxonomySession session = new TaxonomySession(SPContext.Current.Site);
TermSet socialTags = session.DefaultKeywordsTermStore.SystemGroup.TermSets
["Keywords"];
- B. TaxonomySession session = new TaxonomySession(SPContext.Current.Site);
TermSet socialTags = session.DefaultKeywordsTermStore.SystemGroup.TermSets
["Tags"];
- C. TermSet socialTags = (TermSet)SPContext.Current.Site.WebApplication.Properties
["Tags"];
- D. TermSet socialTags = (TermSet)SPContext.Current.Web.AllProperties["Keywords"];

Answer: A

Explanation:

MNEMONIC RULE: "TaxonomySession, TermSets["Keywords"]"

TermSetCollection Members

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.taxonomy.termsetcollection_members.aspx](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.taxonomy.termsetcollection_members.aspx)

IndexedCollection<T>.Item Property (String)

<http://msdn.microsoft.com/en-us/library/ee580616.aspx>

Question: 275

You need to create a Web Part that displays all of the content created by a specific user. You write the following code segment. (Line numbers are included for reference only.)

```
01 private void keywordQueryExecute(string searchAuthor)
02 {
03     KeywordQuery kRequest = new KeywordQuery(ServerContext.Current);
04
05     kRequest.QueryText = strQuery;
06     ResultTableCollection resultTbls = kRequest.Execute();
07 }
```

Which code segment should you add at line 04?

- A. string strQuery = "author:" + searchAuthor;
- B. string strQuery = "docID:" + searchAuthor;
- C. string strQuery = "SELECT Title, Rank, Write, Url FROM SCOPE() WHERE author = " + searchAuthor;
- D. string strQuery = "SELECT Title, Rank, Write, Url FROM SCOPE() WHERE docID = " + searchAuthor;

Answer: A

Explanation:

MNEMONIC RULE: "KeywordQuery = no SQL!"

Property Restriction Keyword Queries

<http://msdn.microsoft.com/en-us/library/ff394509.aspx>

Question: 276

You need to create a Web Part that displays all of the content created by a specific user. You write the following code segment. (Line numbers are included for reference only.)

```
01 FullTextSqlQuery qry = new FullTextSqlQuery(ServerContext.GetContext(SPContext.
Current.Site));
02 qry.ResultTypes = ResultType.RelevantResults;
03
04 qry.QueryText = strQuery;
05 ResultTableCollection results = qry.Execute();
```

Which code segment should you add at line 03?

- A. string strQuery = "author:" + searchAuthor;
- B. string strQuery = "docID:" + searchAuthor;
- C. string strQuery = "SELECT Title,Author,Path FROM SCOPE() WHERE author = '" + searchAuthor + "'";
- D. string strQuery = "SELECT Title,Creator,Path FROM SCOPE() WHERE docID = '" + searchAuthor + "'";

Answer: C

Explanation:

MNEMONIC RULE: "SQL to search for author"

FullTextSqlQuery: Use this class to execute SQL syntax search queries.

Windows SharePoint Services Search Query Object Model
<http://msdn.microsoft.com/en-us/library/ms455094.aspx>

Question: 277

You have a list named Projects that contains a column named ClassificationMetadata.
 You need to create a Web Part that updates the ClassificationMetadata value to NA for each item in the Projects list.
 You write the following code segment. (Line numbers are included for reference only.)

```
01 foreach (SPListItem currentItem in SPContext.Current.Web.Lists["Projects"].
Items)
02 {
03
04 }
```

Which code segment should you add at line 03?

- A. currentItem["ClassificationMetadata"] = "NA";
- B. currentItem.Fields["ClassificationMetadata"].DefaultFormula = "NA";
- C. currentItem.Fields["ClassificationMetadata"].DefaultValue = "NA";
- D. currentItem["Value"] = "ClassificationMetadata/NA";

Answer: A

Explanation:

MNEMONIC RULE: "it's simple: ["ClassificationMetadata"] = "NA""

SPListItem Class

<http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.splistitem.aspx>

Question: 278

You create a Web Part that programmatically updates the description of the current SharePoint site. The Web Part contains the following code segment. (Line numbers are included for reference only.)

```
01 SPSecurity.RunWithElevatedPrivileges(delegate()
02 {
03     SPSite currSite = SPContext.Current.Site;
04     SPWeb currWeb = SPContext.Current.Web;
05     using (SPSite eSite = new SPSite(currSite.ID))
06     {
07         using (SPWeb eWeb = eSite.OpenWeb(currWeb.ID))
08         {
09             eWeb.AllowUnsafeUpdates = true;
10             currWeb.Description = "Test";
11             currWeb.Update();
12             eWeb.AllowUnsafeUpdates = false;
13         }
14     }
15 });
```

Users report that they receive an Access Denied error message when they use the Web Part. You need to ensure that all users can use the Web Part to update the description of the current site. What should you do?

- A. Remove lines 09 and 12.

- B. Remove lines 10 and 11.
- C. Change lines 10 and 11 to use the eWeb variable.
- D. Change lines 09 and 12 to use the currWeb variable.

Answer: C

Explanation:

MNEMONIC RULE: "eWeb"

The inner using statement works with eWeb object, so we should use eWeb object all along.

Question: 279

You create a Web Part. You need to display the number of visits to a SharePoint site collection in a label named LblVisits. You write the following code segment. (Line numbers are included for reference only.)

```
01 SPSecurity.RunWithElevatedPrivileges(delegate()
02 {
03 try
04 {
05
06 LblVisits.Text = site.Usage.Visits.ToString();
07 }
08 finally
09 {
10
11 }
12 });
```

Which code segment should you add at line 05?

- A. SPSite site = new SPSite(SPContext.Current.Site.ID);
- B. SPSite site = SPContext.Current.Site;
- C. SPSite site = SPContext.GetContext(HttpContext.Current).Site;
- D. SPSite site = SPControl.GetContextSite(HttpContext.Current);

Answer: A

Explanation:

MNEMONIC RULE: "new SPSite"

You must create new objects inside the delegate if you need to execute the members of the objects with elevated privileges.

SPSecurity.RunWithElevatedPrivileges Method

<http://msdn.microsoft.com/enus/>

[library/microsoft.sharepoint.spsecurity.runwithelevatedprivileges\(v=office.14\).aspx](http://msdn.microsoft.com/enus/library/microsoft.sharepoint.spsecurity.runwithelevatedprivileges(v=office.14).aspx)

Question: 280

You are creating a custom workflow action to be used in Microsoft SharePoint Designer reusable workflows. The action programmatically creates a SharePoint site named Site1 at a specific URL. The workflow actions schema file contains the following code segment.

<WorkflowInfo>

<Actions Sequential="then" Parallel="and">

```

<Action Name="Create Site"
ClassName="SPDActivityDemo.CreateSite"
Assembly="SPDActivityDemo, Version=1.0.0.0, Culture=neutral,
PublicKeyToken=1a4a7a2c3215a71b"
AppliesTo="all"
Category="Test">
<Parameters>
<Parameter Name="Url" Type="System.String, mscorlib" Direction="In" />
<Parameters>
</Action>
</Actions>
</WorkflowInfo>

```

You need to ensure that users can specify the URL property of the action in SharePoint Designer. What should you add to the schema of the action?

- A. <xml version="1.0" encoding="utf-8">
- B. <Option Name="equals" Value="Equal"/>
- C. <Parameter Name="Url" Type="System.String, mscorlib" Direction="Out" />
- D. <RuleDesigner Sentence="Create site at Url %1.">
 <FieldBind Field="Url" Text="Url of site" Id="1" DesignerType="TextArea" />
 </RuleDesigner>

Answer: D

Explanation:

MNEMONIC RULE: "SharePoint Designer = RuleDesigner"

RuleDesigner Element (WorkflowInfo)

<http://msdn.microsoft.com/en-us/library/bb897951.aspx>