



**70-552**

**UPGRADE: MCAD Skills to MCPD Windows Developer by  
Using the Microsoft .NET Framework**

Q&A

DEMO Version

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Technical and Support Team  
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## Topic 1, C#, Creating a UI for a Windows Forms Application by Using Standard Controls (14 Questions)

**QUESTION 1** You are working as an application developer at Chinatag .com. The Chinatag .com network consists of a single Active Directory domain named Chinatag .com. Chinatag .com uses Visual Studio 2005 as an application platform. Chinatag .com consists of a Development department. You as the developer of Chinatag .com use a client computer named Chinatag -WS001 as developing collateral. You have received instructions to make sure that the PictureBox control's properties cannot be changed with a logo that you have added to the PictureBox in the designer of the form base. Before the time you have added a form to the Microsoft Windows Forms Control Library project and add a PictureBox control to the form. The form is presenting Chinatag's logo. What action should you take?

- A. You should set the Locked property to False.
- B. You should set the Locked property to True.
- C. You should set the Modifiers property to Private.
- D. You should set the Modifiers property to Protected.

Answer: C

Explanation: When you set the Modifiers property to Private, the value will show that only the base form can modify the control. Incorrect Answers:

- A: You should not set it to False, because the control can be moved and resized.
- B: If you set the property to True the control cannot be removed or resized. .
- D: If you set the Modifiers property to Protected, the value will show that the base form and any of the form yet to come can modify the control.

**QUESTION 2** You are working as an application developer at Chinatag .com. The Chinatag .com network consists of a single Active Directory domain named Chinatag .com. Chinatag .com uses Visual Studio 2005 as an application platform. Chinatag .com consists of a Development department. You as the developer of Chinatag .com use a client computer named Chinatag -WS005 as developing collateral. You have just included a DateTimePicker control to a form. You then set the format property to Time. During the course of the day, you check how the DateTimePicker control is working, and learnt that it does not allow the Chinatag .com users to change the selected time. What should you do to change the control so that it will allow the Chinatag .com users to change the selected time?

- A. You should set the ShowUpDown property to True.

- B. You should set the ShowSelectBox property to True.
- C. You should set the Visible property to False.
- D. You should set the Checked property to False.

Answer: A

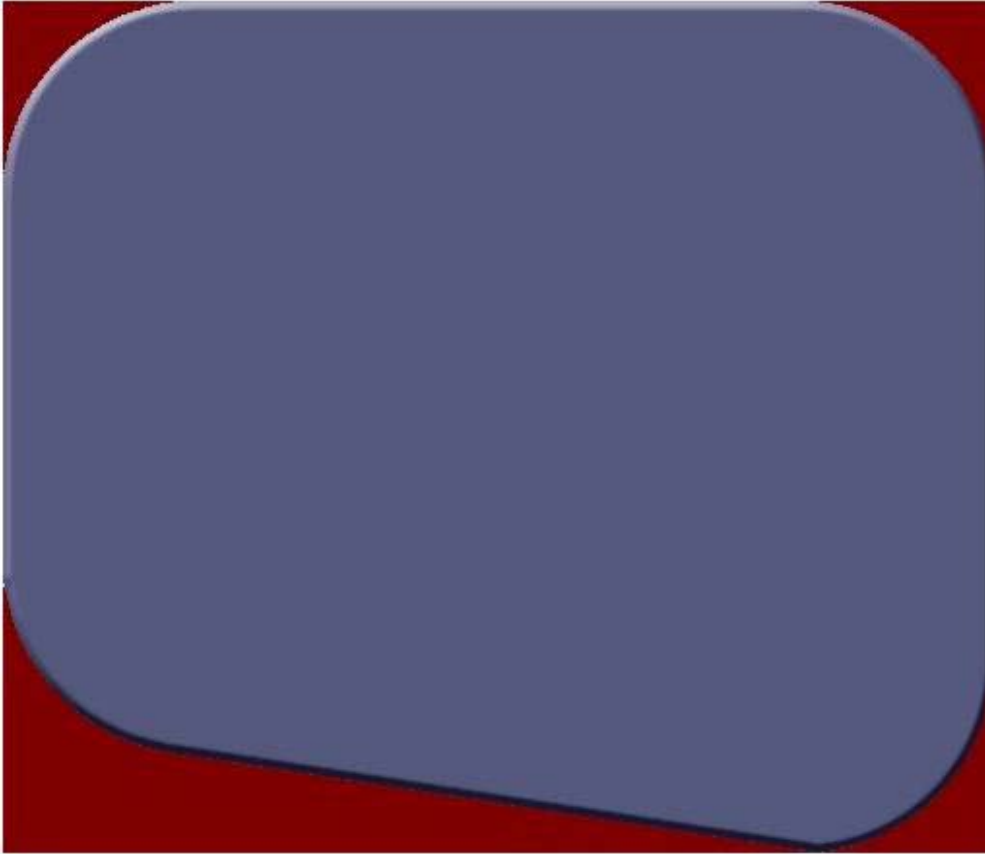
Explanation: The ShowUpDown property is by default set on False. You should set it on True. On False it will show the DateTimePicker must simulate a drop-down control. This setting will allow the users to set the MonthCalender. If it is set to True the users can select the time. Incorrect Answers:

B: The ShowSelectBox will not resolve the problem. This will show if a CheckBox should be displayed on the DateTimePicker.

C: If you set the Visible property to False, it will hide the DateTimePicker. .

D: You should not set the Checked property to False. If this is set on True, a CheckBox control will be displayed on the DateTimePicker.

**QUESTION 3** You are working as an application developer at Chinatag .com. The Chinatag .com network consists of a single Active Directory domain named Chinatag .com. Chinatag .com uses Visual Studio 2005 as an application platform. Chinatag .com consists of a Development department. You as the developer of Chinatag .com use a client computer named Chinatag -WS001 as developing collateral. The manager of Chinatag .com wants to have a borderless form with the background shown in the exhibit.



When the form is view, the manager named Rory Allen does not want the maroon area to be visible. He only wants the blue to be visible when the form is displayed. Which of the following code segments should be used?

- A. `this.TransparencyKey = Color.Maroon;`
- B. `this.BackColor = Color.Maroon;`
- C. `this.TransparencyKey = Color.CornflowerBlue`
- D. `this.BackColor = Color.Transparent;`

Answer: A

Explanation: The `TransparencyKey = Color.Maroon` specify the color that the transparent represents the area on the form. With this setting the blue will respond to the mouse. Incorrect Answers:

B: You should not use the `BackColor = Color.Maroon`. This will determine the background color of the form.

C: You should not use this code segment. The manager does not want the blue area to be transparent.

D: You should not use the `BackColor = Color.Transparent`. The manager does not want the background to be transparent.

**QUESTION 4** You are working as an application developer at Chinatag .com. The Chinatag .com network consists of a single Active Directory domain named Chinatag .com. Chinatag .com uses Visual Studio 2005 as an application platform. Chinatag .com consists of a Development department. You as the developer of Chinatag .com use a client computer named Chinatag -WS020 as developing collateral. You have configured three columns to a form and add a TableLayoutPanel to the form. You want the two side columns to have a fix width of 200 pixels each and anchor the four edges of the form to the control. A Chinatag .com manager wants the center column to fill the remaining space, when ever the form is resized. You need to change the ColumnStyle instance that represents the center column? How should you set the ColumnStyle instance's Size Type property?

- A. Set it to AutoSize and the Width property to 100F.
- B. Set it to Absolute and the Width property to 100F.
- C. Set it to Percent and the Width property to 100F.
- D. Set it to AutoSize and the Width property to 0F.

Answer: C

Explanation: This setting will show that the column should fill the remaining space.

Incorrect Answers:

A: This setting will allow the column to be sized enough so that not any of its child controls are clipped. In this setting the middle will not occupy the remaining free space.

B: If you set it to Absolute, the value of the Width property will show the number of pixels for the column.

D: You need to set the ColumnStyle instance's Size Type property to AutoSize and the Width property to 100F.

**QUESTION 5** You are working as an application developer at Chinatag .com. The Chinatag .com network consists of a single Active Directory domain named Chinatag .com. Chinatag .com uses Visual Studio 2005 as an application platform. Chinatag .com consists of a Development department. You as the developer of Chinatag .com use a client computer named Chinatag -WS020 as developing collateral. You have added a SplitContainer control named Chinatag SplitContainer to a form. You then left the control to the default properties. To the right-most container of the SplitContainer control, you need to add a PropertyGrid. Which of the following code segments should you use?

- A. `PropertyGrid propertyGrid = new PropertyGrid[]; Panel rightPanel = [Panel Chinatag SplitContainer.GetContainerControl[]; rightPanel.ControlAdd[porpertyGrid];`
- B. `PropertyGrid propertyGrid = new PropertyGrid[]; Panel rightPanel = [Panel] Chinatag SplitContainer.GetNextControl[propertyGrid, true]; rightPanel.ControlAdd[porpertyGrid];`

C. PropertyGrid propertyGrid = new PropertyGrid[]; Chinatag SplitContainer.Container.Add[propertyGrid, "RightPanel"];  
 D. PropertyGrid propertyGrid = new PropertyGrid[]; Chinatag SplitContainer.Panel2.Control.Add[propertyGrid];

Answer: D

Explanation: An area can be divided into two containers, which is separated by a movable bar, if you use the SplitContainer control. When the two Panels are created, the left one is the Panel1 and the right is Panel2. You are adding a panel so it will be on the right. You then need to specify Panel2. Incorrect Answers: A, B, C: You should not use the Add method of the SplitContainer.Container to add the PropertyGrid. You also should not pass a PropertyGrid instance to the GetNextControl method to return a Panel instance. This will actually retrieve the next tab-ordered control given the current control. You also should not call the GetContainerControl method to return a Panel instance. This will return the logical container of the SplitContainer control.

**QUESTION 6** You are working as an application developer at Chinatag .com. The Chinatag .com network consists of a single Active Directory domain named Chinatag .com. Chinatag .com uses Visual Studio 2005 as an application platform. Chinatag .com consists of a Development department. You as the developer of Chinatag .com use a client computer named Chinatag -WS020 as developing collateral. You are busy to develop a Microsoft Windows Forms exam delivery application. This is going to be used to access the content of the exam via the Internet. A WebBrowser named testbrowser is added to the control to a form named Chinatag Form, which is define as follows: [PermissionSet[SecurityAction.Demand, Name="FullTrust"]] [System.Runtime.InteropServices.ComVisible[true]] public Chinatag Form : Form { public Chinatag Form[] { InitializeComponent[]; } public void Expire[] { } } The JavaScript-based timer that is used by the Web site for the exam has a function to inform the exam delivery application when the time has expired for the exam, which is the following: window.external.Expire[]; What should you do to make sure that the Expire method of Chinatag Form is called

when the JavaScript function is carry out?

- A. You should set the Document.DomDocument property of the browser instance to the current instance of the Chinatag Form class.
- B. You should set the ObjectForScripting property of the browser instance to the current instance of the Chinatag Form class.
- C. You should call the AttachEventHandler of the Document property of the browser instance.
- D. You should call the ExecCommand method of the Document property of the browser instance.

Answer: B

Explanation: You must set the ObjectForScripting for the browser instance to the current instance of the Chinatag Form class. Incorrect Answers:

- A: The property of the Document.DomDocument represents the true DOM object of an HTML document.
- C: The AttachEventHandler allows you to attach a HTML Document Object Model event to an event handler.
- D: The ExecCommand method allows you to execute commands against DOM documents.

**QUESTION 7** You are working as an application developer at Chinatag .com. The Chinatag .com network consists of a single Active Directory domain named Chinatag .com. Chinatag .com uses Visual Studio 2005 as an application platform. Chinatag .com consists of a Development department. You as the developer of Chinatag .com use a client computer named Chinatag -WS003 as developing collateral. You have received instructions to make sure that the PictureBox will display dynamically loaded images. Which property will display a static image if any dynamic image fails to load?

- A. BackgroundImage
- B. Image
- C. ErrorImage
- D. InitailImage

Answer: C

Explanation: The ErrorImage property specifies the image that should be displayed. This will happened only if the image that you are trying to load dynamically fails. Incorrect Answers:

- A: The BackgroundImage property specifies a background image which is used by the control.

B: TheImage property specifies the image you want the PictureBox control to display.  
 D: The InitailImage specifies the image you want the PictureBox control to display while the other one is loading.

**QUESTION 8** You are working as an application developer at Chinatag .com. The Chinatag .com network consists of a single Active Directory domain named Chinatag .com. Chinatag .com uses Visual Studio 2005 as an application platform. Chinatag .com consists of a Development department. You as the developer of Chinatag .com use a client computer named Chinatag -WS020 as developing collateral. You are developing a Web service for new updates to query automatically, by use of a Microsoft Windows Forms application. You then add a NotifyIcon component named Chinatag notify to the application's main form. Whenever a new update is available you want the following balloon tip to display as seen in the exhibit for 5 seconds.



Which segment should you use to write a code to download the updates if the users click the balloon tip?

A. `Chinatag notify.BalloonTipClick +=delegate { // Download the updates } Chinatag notify.ShowBallonTip[5000, "New Update Available"; "Click here to download" , ToolTipIcon.Info];`

B. `Chinatag notify.ShowBallonTip[5]; Chinatag notify.BalloonTipIcon = ToolTipIcon.Info; Chinatag .Balloon TipTitle = "New Update Available"; Chinatag .BalloonTipText = "Click here to download"; Chinatag .Click += delegate { // Download the updates }`

C. `Chinatag notify.BalloonTipIcon = ToolTipIcon.Info; Chinatag .Balloon TipTitle = "New Update Available"; Chinatag .BalloonTipText = "Click here to download"; Chinatag .Click += delegate { // Download the updates } Chinatag notify.ShowBallonTip[5000];`

D. `Chinatag notify.ShowBallonTip[5, New Update Available", "Click here to download", ToolTipIcon.Info]; Chinatag .BalloonTipClick += delegate { // Download the updates }`

Answer: A

Explanation: You should use an event handler, attach the BalloonTipClicked to the event and call the ShowBalloonTip method of the NotifyIcon class. When a user clicks a balloon tip, a BalloonTipClicked event is raised. Incorrect Answers: B, C, D: You should not attach the BalloonTipClicked even to an event handler after you have called the ShowBalloonTip method. Also note that the event is raised when the icon is clicked and not the balloon tip.

**QUESTION 9** You are working as an application developer at Chinatag .com. The Chinatag .com network consists of a single Active Directory domain named Chinatag .com. Chinatag .com uses Visual Studio 2005 as an application platform. Chinatag .com consists of a Development department. You as the developer of Chinatag .com use a client computer named Chinatag -WS020 as developing collateral. You are busy adding a MenuStrip control, which has an instance of a ToolStripMenuItem named testJobItem, to a form in a Microsoft Windows Forms application. This item's display text is Job. You have received instructions to add two menu items to the Job menu item. The first item's display text should be Create New Job, and the second one is Run Job. Which code segment should you use to programmatically add the two menu items?

A. ToolStripMenuItem createNewJobItem = new ToolStripMenuItem("Create New Job"); ToolStripMenuItem runJobItem = new ToolStripMenuItem("Run Job"); jobItem.Container.Add[createNewJobItem]; jobItem.Container.Add[runJobItem];

B. ToolStripMenuItem createNewJobItem = new ToolStripMenuItem("Create New Job"); ToolStripMenuItem runJobItem = new ToolStripMenuItem("Run Job"); jobItem.Owner.Items.Add[createNewJobItem]; jobItem.Owner.Items.Add[runJobItem];

C. ToolStripMenuItem createNewJobItem = new ToolStripMenuItem("Create New Job"); ToolStripMenuItem runJobItem = new ToolStripMenuItem("Run Job"); ToolStripMenuItem[] items = new ToolStripMenuItem[] {create NewJobItem, runJobItem} jobItem.DropDownItems.AddRange[items];

D. ToolStripMenuItem createNewJobItem = new ToolStripMenuItem("Create New Job");

```
ToolStripMenuItem runJobItem = new ToolStripMenuItem("Run Job");
ToolStripMenuItem[] items = new ToolStripMenuItem[] { create NewJobItem,
runJobItem } jobItem.Owner.Items.AddRange(items);
```

Answer: C

Explanation: For the jobItem instance you should call the AddRange. The property of the DropDownItems represents a collection of child items of the jobItem instance, which allows you to add the two items to the job menu item. Incorrect Answers:

A: This property returns an instance of IContainer, which represents a logical container for other components.

B: TheOwner property returns the Menu script instance that owns the ToolStripMenuItem instance.

D: This action will add the two new menu at the same level as the Job menu item.

**QUESTION 10** You are working as an application developer at Chinatag .com. The Chinatag .com network consists of a single Active Directory domain named Chinatag .com. Chinatag .com uses Visual Studio 2005 as an application platform. Chinatag .com consists of a Development department. You as the developer of Chinatag .com use a client computer named Chinatag -WS050 as developing collateral. You were busy with a task to add a ContextMenuStrip control to a form. What should you do to display a custom control as a menu item of the ContextMenuStrip control?

A. Add a ToolStripContainer control to the form and add the custom control to the Controls collection residing on the toolStripContainer control. You should then add the ContextMenuStrip control to the controls of the ToolStripContainer control.

B. Of ToolStripControlHost, create an instance and specify your custom control instance as a parameter to the constructor. You should then the ToolStripControlHost instance to the Items collection of the ContextMenuStrip control.

C. Add a ToolStripContainer control to the form and add the custom control to the Controls collection residing on the toolStripContainer control. You should then add the ToolStripContainer control to the controls of the ContextMenuStrip controls.

D. Of ToolStripControlHost, create an instance and specify your custom control instance as a parameter to the constructor. You should then the ContextMenuStrip controls to the collection of the ToolStripControlHost instance.

Answer: B

Explanation: The ToolStripControlHost class to host a custom control as a menu item in the ContextMenuStrip. You should also the custom control instance as the parameter to the constructor. Incorrect Answers:

A, B, C: The ToolStripContainer should not be used to reach your goal. Furthermore, you cannot host a ToolStripContainer control as the menu item in a ContextMenuStrip controls.