**Wizard Web Server Control Overview**

**.NET Framework 4**

[Other Versions](javascript:;)

http://i.msdn.microsoft.com/Areas/Epx/Content/Images/ImageSprite.png

* [Visual Studio 2008](http://msdn.microsoft.com/en-us/library/fs0za4w6(d=printer,v=vs.90).aspx)
* [.NET Framework 3.0](http://msdn.microsoft.com/en-us/library/fs0za4w6(d=printer,v=vs.85).aspx)
* [Visual Studio 2005](http://msdn.microsoft.com/en-us/library/fs0za4w6(d=printer,v=vs.80).aspx)

Use the [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control to simplify many of the tasks that are associated with building a series of forms to collect user input.

This topic contains:

* [Scenarios](http://msdn.microsoft.com/en-us/library/fs0za4w6(d=printer).aspx#Scenarios)
* [Background](http://msdn.microsoft.com/en-us/library/fs0za4w6(d=printer).aspx#Background)
* [Code Examples](http://msdn.microsoft.com/en-us/library/fs0za4w6(d=printer).aspx#CodeExamples)
* [Class Reference](http://msdn.microsoft.com/en-us/library/fs0za4w6(d=printer).aspx#ClassReference)

[Scenarios](javascript:void(0))

Collecting user input by using forms is a recurring task in Web development. A group of forms that is used to accomplish a task is often called a wizard.

The ASP.NET [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control simplifies many of the tasks that are associated with building multiple forms and collecting user input. The [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control provides a simple mechanism that allows you to easily build steps, add a new step, or reorder the steps. You can build linear and non-linear navigation and customize the control's user navigation without writing code.

[Background](javascript:void(0))

Building a series of interconnected forms to break up data collection is a common practice. You can accomplish this by managing the navigation between forms, the data persistence, and the state management in each step. With the [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control, you use discrete steps to collect data, which allows users to navigate between steps at their discretion and creates a simpler user experience. As a developer, you do not have to worry about making your data persist across pages because the control maintains state while the user completes the various steps.

**Wizard Steps**

The [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control uses steps to delineate different sections of user data input. Each step within the control is given a StepType to indicate whether it is the beginning step, intermediate step, or completion step. The wizard can have as many intermediate steps as needed. You can add different controls, such as a [TextBox](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.textbox.aspx) or [ListBox](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.listbox.aspx) control, to collect user input. When you reach the [Complete](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardsteptype.aspx) step, all of your data is accessible. The following code example illustrates the [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control with two steps.

<asp:Wizard ID="Wizard1" Runat="server">

<WizardSteps>

<asp:WizardStep Runat="server" Title="Step 1">

</asp:WizardStep>

<asp:WizardStep Runat="server" Title="Step 2">

</asp:WizardStep>

</WizardSteps>

</asp:Wizard>

Within each step, you can add controls and labels, and accept user data. The [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control will help manage which step to display, and help maintain the collected data.

**Wizard Navigation**

The [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control features both linear and non-linear navigation. The control's state management allows the user to move forward and backward between steps, and it allows the user to select individual steps at any point, as long as the sidebar is displayed. You can customize the text for navigation in the control's root asp:Wizard element by using the [StepNextButtonText](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.stepnextbuttontext.aspx), [StepPreviousButtonText](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.steppreviousbuttontext.aspx), and [FinishCompleteButtonText](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.finishcompletebuttontext.aspx) properties.

<asp:Wizard ID="Wizard1" Runat="server"

StepNextButtonText=" Next >> "

StepPreviousButtonText=" << Previous "

FinishCompleteButtonText=" Done! ">

**Customizing Other Wizard Control Aspects**

The [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control automatically displays a title and the control's current step. The title is customized with the [HeaderText](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.headertext.aspx) property. You can adjust the header's template by using the [HeaderTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.headertemplate.aspx) property.

You can optionally display a cancel button by setting the [DisplayCancelButton](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.displaycancelbutton.aspx) property to true.

The [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control's [NavigationButtonStyle](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.navigationbuttonstyle.aspx) property provides an easy way to set all of the buttons to a common style, while providing the flexibility to customize each button individually. The [NavigationButtonStyle](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.navigationbuttonstyle.aspx) property applies to all of the buttons rendered. However, you can override this style by setting the individual button's style property.

**Navigation Templates**

The [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control supports templates that allow you to further customize the interface of the control with the [StartNavigationTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.startnavigationtemplate.aspx), [FinishNavigationTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.finishnavigationtemplate.aspx), [StepNavigationTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.stepnavigationtemplate.aspx), and [SideBarTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.sidebartemplate.aspx) properties.

**Wizard Control Events**

You can customize the behavior of the [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control by using custom code and events.

For example, you can intercept the [NextButtonClick](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.nextbuttonclick.aspx) event, which is raised when the user clicks the Next button and captures the data of the current step. The [WizardNavigationEventArgs](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardnavigationeventargs.aspx) parameter passed to this event includes the [CurrentStepIndex](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardnavigationeventargs.currentstepindex.aspx) and [NextStepIndex](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardnavigationeventargs.nextstepindex.aspx) properties, enabling you to customize the behavior of the control based on the current and next steps, or to cancel the navigation when the Next button is clicked.

Similarly, you can customize the behavior of the Previous and Finish buttons by using the [PreviousButtonClick](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.previousbuttonclick.aspx) and [FinishButtonClick](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.finishbuttonclick.aspx) events. Or you can perform cleanup when the Cancel button is clicked by using the [CancelButtonClick](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.cancelbuttonclick.aspx) event.

**Formatting and CSS Styles**

By default, the [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control layout is rendered using an HTML table. However, using tables to lay out visual elements on a page is not semantically correct and might not be compatible with cascading style sheet (CSS) rules. To address this issue, the [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control can render markup that uses CSS for layout instead of using tables. This makes it easier to format the control. The [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control supports a [LayoutTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.layouttemplate.aspx) property that you can use to specify the layout of visual elements. For more information, see [LayoutTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.layouttemplate.aspx).

The [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control also supports the ability to use a [ListView](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.listview.aspx) control instead of a [DataList](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.datalist.aspx) control inside its sidebar area. For more information, see [SideBarTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.sidebartemplate.aspx).

[Code Examples](javascript:void(0))

[Walkthrough: Creating a Basic ASP.NET Wizard Control](http://msdn.microsoft.com/en-us/library/wdb4eb30.aspx)

[Walkthrough: Advanced Use of the ASP.NET Wizard Control](http://msdn.microsoft.com/en-us/library/w7dyf6b5.aspx)

[Class Reference](javascript:void(0))

The following table lists the key classes that relate to the [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control.

|  |  |
| --- | --- |
| **Member** | **Description** |
| [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) | The main class for the control. |
| [WizardNavigationEventArgs](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardnavigationeventargs.aspx) | Provides the data that is needed for the various navigation events in a [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control. |
| [WizardNavigationEventHandler](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardnavigationeventhandler.aspx) | Represents the method that will handle navigation events in a [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control. |
| [WizardStep](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardstep.aspx) | Represents a basic step that is displayed in a [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control. |
| [WizardStepCollection](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardstepcollection.aspx) | Represents a collection of [WizardStep](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardstep.aspx) objects that contain the user interface for each step, as defined by the page developer. |
| [WizardStepType](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardsteptype.aspx) | Specifies the types of navigation UI that can be displayed for a step in a [Wizard](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.aspx) control. |

**Wizard Class**

**.NET Framework 4.5**

[Other Versions](javascript:;)



* [.NET Framework 4](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer,v=vs.100).aspx)
* [.NET Framework 3.5](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer,v=vs.90).aspx)
* [.NET Framework 3.0](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer,v=vs.85).aspx)
* [.NET Framework 2.0](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer,v=vs.80).aspx)

Provides navigation and a user interface (UI) to collect related data across multiple steps.

[Remarks](javascript:void(0))

In this topic:

* [Introduction](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer).aspx#introduction)
* [Wizard Components](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer).aspx#components)
* [Wizard Steps](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer).aspx#wizard_steps)
* [Collecting Wizard Data](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer).aspx#collecting_wizard_data)
* [Wizard Command Names](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer).aspx#wizard_command_names)
* [Dynamically Changing Steps](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer).aspx#dynamically_changing_steps)
* [Wizard Appearance](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer).aspx#wizard_appearance)
* [Formatting Using Layout Templates](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer).aspx#formatting_using_layout_templates)
* [Accessibility](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer).aspx#accessibility)
* [Declarative Syntax](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer).aspx#declarative_syntax)

**Introduction**

You can use the Wizard control to:

* Collect related data across multiple steps.
* Break up a larger Web page used to collect user input into smaller logical steps.
* Allow for either linear or nonlinear navigation through the steps.

**Wizard Components**

The Wizard control is made up of the following components:

* A [WizardStepCollection](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardstepcollection.aspx) collection of steps that contain the user interface for each step, as defined by the page developer.
* Built-in navigation capabilities that determine the appropriate buttons to display based on the [StepType](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardstepbase.steptype.aspx) value.
* A header area that can be customized to display information specific to the step that the user is currently on.
* A sidebar area that can be used to quickly navigate to steps in the control.

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| **NoteNote** |
| If you are using Microsoft Visual Studio 2005, note that the [ActiveStepIndex](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.activestepindex.aspx) is persisted in Source view. If you change the [WizardSteps](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.wizardsteps.aspx) property in Design view by clicking the sidebar buttons, and you then run the page, the first step of the Wizard control might not be shown because the [ActiveStepIndex](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.activestepindex.aspx) might be pointing to a different step. |

**Wizard Steps**

Each of the steps in the Wizard control has a [StepType](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardstepbase.steptype.aspx) property that determines the kind of navigation functionality that the step has. If you do not specify a value for the [StepType](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardstepbase.steptype.aspx) property, the default value is [Auto](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardsteptype.aspx). The following table lists the available settings for the [StepType](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardstepbase.steptype.aspx) property and the resulting behavior of the step.

WizardStepType.Auto

The navigation UI that is rendered for the step is determined by the order in which the step is declared.

WizardStepType.Complete

The step is the last one to appear. No navigation buttons are rendered.

WizardStepType.Finish

The step is the last one that collects user data. The Finish button is rendered for navigation.

WizardStepType.Start

The step is the first one to appear. A Previous button is not rendered.

WizardStepType.Step

The step is any step between the first and last. Previous and Next buttons are rendered for navigation.

**Collecting Wizard Data**

Using the Wizard control, data can be collected through linear or nonlinear navigation. Some examples of nonlinear navigation are skipping unnecessary steps or returning to a previously completed step to change some value. The Wizard control maintains its state between steps, so the data entered on a step does not need to be persisted to a data store until all the steps of the Wizard control have been completed.

Alternatively, if you want to persist the collected data to a data store as each step is completed, such as when the [NextButtonClick](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.nextbuttonclick.aspx) event is raised, you should set the [AllowReturn](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardstepbase.allowreturn.aspx) property of the [WizardStepBase](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardstepbase.aspx) object to false so that the user cannot return to a previously completed step and change the data once it has been submitted.

**Wizard Command Names**

The Wizard control inherits the following command names from the [View](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.view.aspx) class and [MultiView](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.multiview.aspx) class: [NextViewCommandName](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.multiview.nextviewcommandname.aspx), [PreviousViewCommandName](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.multiview.previousviewcommandname.aspx), [SwitchViewByIDCommandName](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.multiview.switchviewbyidcommandname.aspx), and [SwitchViewByIndexCommandName](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.multiview.switchviewbyindexcommandname.aspx). The Wizard control ignores these command names and does not include any special logic to enable these commands to automatically work for navigation. If a command name is removed or is missing from a button in the Wizard control, no exception is thrown. For example, if the [StartNavigationTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.startnavigationtemplate.aspx) button is missing a value for [CommandName](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.button.commandname.aspx), no exception is thrown.

**Dynamically Changing Steps**

You can use the [MoveTo](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.moveto.aspx) method or the [ActiveStepIndex](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.activestepindex.aspx) property to dynamically change the step that is currently displayed in the Wizard control.

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| **NoteNote** |
| If you programmatically add a [WizardStep](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardstep.aspx) in the Page\_Load event handler, you must add the navigation to that step prior to the page loading. |

**Wizard Appearance**

The appearance of the Wizard control is fully customizable through templates, skins, and style settings. For example, you can use the [HeaderTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.headertemplate.aspx), [SideBarTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.sidebartemplate.aspx), [StartNavigationTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.startnavigationtemplate.aspx), [FinishNavigationTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.finishnavigationtemplate.aspx), and [StepNavigationTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.stepnavigationtemplate.aspx) properties to customize the interface of the Wizard control.

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| --- |
| **NoteNote** |
| Setting the [FinishNavigationTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.finishnavigationtemplate.aspx), [DisplaySideBar](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.displaysidebar.aspx), [HeaderTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.headertemplate.aspx), [SideBarTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.sidebartemplate.aspx), [StartNavigationTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.startnavigationtemplate.aspx), or [StepNavigationTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.stepnavigationtemplate.aspx) property recreates the child controls of the Wizard control. As a result, the view state for the child controls is lost in the process. To avoid this situation, explicitly maintain the control state of the Wizard control's child controls explicitly, or avoid putting controls inside of templates. |

Note that the Wizard control does not support special Microsoft Internet Explorer rendering for non-standard or quirks mode. To get the best Internet Explorer rendering using the Wizard control, use the XHTML doc type, which is added by default in Visual Web Developer and Visual Studio.

**Formatting Using Layout Templates**

The Wizard control lets you specify the layout of the control without requiring you to use an HTML table element. Instead, you can use a LayoutTemplate element to specify the layout. In the template, you create placeholder controls to indicate where items should be dynamically inserted into the control. (This is similar to how the template model for the [ListView](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.listview.aspx) control works.) For more information, see the [Wizard.LayoutTemplate](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard.layouttemplate.aspx) property.

**Accessibility**

For information about how to configure this control so that it generates markup that conforms to accessibility standards, see [Accessibility in Visual Studio and ASP.NET](http://msdn.microsoft.com/en-us/library/ms228004.aspx) and [ASP.NET Controls and Accessibility](http://msdn.microsoft.com/en-us/library/ms227996.aspx).

**Declarative Syntax**

<asp:Wizard

    AccessKey="string"

    ActiveStepIndex="integer"

    BackColor="color name|#dddddd"

    BorderColor="color name|#dddddd"

    BorderStyle="NotSet|None|Dotted|Dashed|Solid|Double|Groove|Ridge|

Inset|Outset"

    BorderWidth="size"

    CancelButtonImageUrl="uri"

    CancelButtonText="string"

    CancelButtonType="Button|Image|Link"

    CancelDestinationPageUrl="uri"

    CellPadding="integer"

    CellSpacing="integer"

    CssClass="string"

    DisplayCancelButton="True|False"

    DisplaySideBar="True|False"

    Enabled="True|False"

    EnableTheming="True|False"

    EnableViewState="True|False"

    FinishCompleteButtonImageUrl="uri"

    FinishCompleteButtonText="string"

    FinishCompleteButtonType="Button|Image|Link"

    FinishDestinationPageUrl="uri"

    FinishPreviousButtonImageUrl="uri"

    FinishPreviousButtonText="string"

    FinishPreviousButtonType="Button|Image|Link"

    Font-Bold="True|False"

    Font-Italic="True|False"

    Font-Names="string"

    Font-Overline="True|False"

    Font-Size="string|Smaller|Larger|XX-Small|X-Small|Small|Medium|

Large|X-Large|XX-Large"

    Font-Strikeout="True|False"

    Font-Underline="True|False"

    ForeColor="color name|#dddddd"

    HeaderText="string"

    Height="size"

    ID="string"

    OnActiveStepChanged="ActiveStepChanged event handler"

    OnCancelButtonClick="CancelButtonClick event handler"

    OnDataBinding="DataBinding event handler"

    OnDisposed="Disposed event handler"

    OnFinishButtonClick="FinishButtonClick event handler"

    OnInit="Init event handler"

    OnLoad="Load event handler"

    OnNextButtonClick="NextButtonClick event handler"

    OnPreRender="PreRender event handler"

    OnPreviousButtonClick="PreviousButtonClick event handler"

    OnSideBarButtonClick="SideBarButtonClick event handler"

    OnUnload="Unload event handler"

    runat="server"

    SkinID="string"

    SkipLinkText="string"

    StartNextButtonImageUrl="uri"

    StartNextButtonText="string"

    StartNextButtonType="Button|Image|Link"

    StepNextButtonImageUrl="uri"

    StepNextButtonText="string"

    StepNextButtonType="Button|Image|Link"

    StepPreviousButtonImageUrl="uri"

    StepPreviousButtonText="string"

    StepPreviousButtonType="Button|Image|Link"

    Style="string"

    TabIndex="integer"

    ToolTip="string"

    Visible="True|False"

    Width="size">

        <CancelButtonStyle />

        <FinishCompleteButtonStyle />

        <FinishNavigationTemplate>

<!-- child controls -->

        </FinishNavigationTemplate>

        <FinishPreviousButtonStyle />

        <HeaderStyle />

        <HeaderTemplate>

<!-- child controls -->

        </HeaderTemplate>

        <NavigationButtonStyle />

        <NavigationStyle />

        <SideBarButtonStyle />

        <SideBarStyle />

        <SideBarTemplate>

<!-- child controls -->

        </SideBarTemplate>

        <StartNavigationTemplate>

<!-- child controls -->

        </StartNavigationTemplate>

        <StartNextButtonStyle />

        <StepNavigationTemplate>

<!-- child controls -->

        </StepNavigationTemplate>

        <StepNextButtonStyle />

        <StepPreviousButtonStyle />

        <StepStyle />

        <WizardSteps>

                <asp:TemplatedWizardStep

                    AllowReturn="True|False"

                    ContentTemplateContainer="string"

                    EnableTheming="True|False"

                    EnableViewState="True|False"

                    ID="string"

                    OnActivate="Activate event handler"

                    OnDataBinding="DataBinding event handler"

                    OnDeactivate="Deactivate event handler"

                    OnDisposed="Disposed event handler"

                    OnInit="Init event handler"

                    OnLoad="Load event handler"

                    OnPreRender="PreRender event handler"

                    OnUnload="Unload event handler"

                    runat="server"

                    SkinID="string"

                    StepType="Auto|Complete|Finish|Start|Step"

                    Title="string"

                    Visible="True|False">

                        <ContentTemplate>

<!-- child controls -->

                        </ContentTemplate>

                        <CustomNavigationTemplate>

<!-- child controls -->

                        </CustomNavigationTemplate>

                </asp:TemplatedWizardStep>

                <asp:WizardStep

                    AllowReturn="True|False"

                    EnableTheming="True|False"

                    EnableViewState="True|False"

                    ID="string"

                    OnActivate="Activate event handler"

                    OnDataBinding="DataBinding event handler"

                    OnDeactivate="Deactivate event handler"

                    OnDisposed="Disposed event handler"

                    OnInit="Init event handler"

                    OnLoad="Load event handler"

                    OnPreRender="PreRender event handler"

                    OnUnload="Unload event handler"

                    runat="server"

                    SkinID="string"

                    StepType="Auto|Complete|Finish|Start|Step"

                    Title="string"

                    Visible="True|False"

                />

        </WizardSteps>

</asp:Wizard>

|  |  |
| --- | --- |
| **Topic** | **Location** |
| [How to: Customize the ASP.NET CreateUserWizard Control](http://msdn.microsoft.com/en-us/library/ms178342(d=printer,v=vs.85).aspx) | Building ASP .NET Web Applications |
| [How to: Customize the ASP.NET CreateUserWizard Control](http://msdn.microsoft.com/en-us/library/ms178342(d=printer,v=vs.80).aspx) | Building ASP .NET Web Applications |
| [Walkthrough: Creating a Basic ASP.NET Wizard Control](http://msdn.microsoft.com/en-us/library/wdb4eb30(d=printer,v=vs.80).aspx) | Building ASP .NET Web Applications in Visual Studio |
| [Walkthrough: Advanced Use of the ASP.NET Wizard Control](http://msdn.microsoft.com/en-us/library/w7dyf6b5(d=printer,v=vs.80).aspx) | Building ASP .NET Web Applications in Visual Studio |
| [Walkthrough: Advanced Use of the ASP.NET Wizard Control](http://msdn.microsoft.com/en-us/library/w7dyf6b5(d=printer,v=vs.100).aspx) | Building ASP .NET Web Applications in Visual Studio |

[Examples](javascript:void(0))

The following code example demonstrates how to define a Wizard control to collect a user's name and address, with the option to enter a separate shipping address. If the user does not select SeparateShippingCheckBox, thereby issuing a request to add a separate shipping address, the Wizard control moves directly from Step2 to Finish. On the Finish step, the user has the option to return to the beginning of the Wizard control by clicking GoBackButton; however, it takes the user to Step2 because the [AllowReturn](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizardstepbase.allowreturn.aspx) property for Step1 is set to false.

|  |
| --- |
| **Security noteSecurity Note** |
| This example has a text box that accepts user input, which is a potential security threat. By default, ASP.NET Web pages validate that user input does not include script or HTML elements. For more information, see [Script Exploits Overview](http://msdn.microsoft.com/en-us/library/w1sw53ds.aspx). |

C#

[VB](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer).aspx?cs-save-lang=1&cs-lang=vb#code-snippet-4)

<%@ Page Language="C#" CodeFile="WizardClass.cs" Inherits="WizardClasscs\_aspx" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >

<head runat="server">

<title>ASP.NET Example</title>

</head>

<body>

<form id="form1" runat="server">

<asp:Wizard id="Wizard1"

runat="server"

onfinishbuttonclick="OnFinishButtonClick"

backcolor="#EFF3FB"

font-names="Verdana"

font-size="0.8em"

borderwidth="1px"

bordercolor="#B5C7DE"

style="font-size: medium; font-family: Verdana;"

onactivestepchanged="OnActiveStepChanged">

<StepStyle forecolor="#333333"

font-size="0.8em" />

<WizardSteps>

<asp:WizardStep id="Step1"

title="One"

allowreturn="false"

runat="server" >

Welcome to the Wizard example. This step's AllowReturn property is set

to false, so after you leave this step you will not be able to return to it.

</asp:WizardStep>

<asp:WizardStep id="Step2"

title="Two"

runat="server" >

<!-- ... Put UI elements here ... -->

Please enter your billing information.

<br />

Name:<br />

<asp:TextBox runat="server"

id="BillingName"

width="226px"

height="17px" />

<br />

E-mail Address:<br />

<asp:TextBox runat="server"

id="EmailAddress"

width="224px"

height="17px" />

<br />

Address Line 1: <br />

<asp:TextBox runat="server"

id="BillingAddressLine1"

width="314px"

height="17px" />

<br />

Address Line 2: <br />

<asp:TextBox runat="server"

id="BillingAddressLine2"

width="314px"

height="17px" />

<br />

City: <br />

<asp:TextBox runat="server"

id="BillingCity"

width="155px"

height="17px" />

<br />

State: <br />

<asp:TextBox runat="server"

id="BillingState"

width="75px"

height="17px" />

<br />

ZIP Code: <br />

<asp:TextBox runat="server"

id="BillingZip"

height="17px" />

<br /><br />

<asp:CheckBox runat="server"

id="SeparateShippingCheckBox"

text="Please check here if you would like to add a separate shipping address." />

</asp:WizardStep>

<asp:WizardStep id="Step3"

title="Three"

runat="server" >

<!-- Gather the shipping address in this step if CheckBox1 was selected. -->

Please enter your shipping information.

<br />

Name:<br />

<asp:TextBox runat="server"

id="ShippingName"

height="17px" />

<br />

Address Line 1: <br />

<asp:TextBox runat="server"

id="ShippingAddress1"

width="370px"

height="17px" />

<br />

Address Line 2: <br />

<asp:TextBox runat="server"

id="ShippingAddress2"

width="370px"

height="17px" />

<br />

City: <br />

<asp:TextBox runat="server"

id="ShippingCity"

height="17px" />

<br />

State: <br />

<asp:TextBox runat="server"

id="ShippingState"

width="65px"

height="17px" />

<br />

ZIP Code: <br />

<asp:TextBox runat="server"

id="ShippingZip"

height="17px" />

</asp:WizardStep>

<asp:WizardStep id="Finish"

title="Finish"

runat="server" >

<!-- Put UI elements here for the Finish step. -->

<asp:Button runat="server"

id="GoBackButton"

text="Go Back to Step 2"

onclick="OnGoBackButtonClick"

forecolor="#284E98"

font-names="Verdana"

font-size="1.0em"

borderstyle="Solid"

borderwidth="1px"

bordercolor="#507CD1"

backcolor="White" />

</asp:WizardStep>

<asp:WizardStep runat="server"

steptype="Complete"

title="Complete"

id="Complete">

<asp:Label runat="server"

id="CompleteMessageLabel"

width="408px"

height="24px">

</asp:Label>

</asp:WizardStep>

</WizardSteps>

<NavigationButtonStyle forecolor="#284E98"

font-names="Verdana"

font-size="1.0em"

borderstyle="Solid"

borderwidth="1px"

bordercolor="#507CD1"

backcolor="White" />

<HeaderStyle forecolor="White"

horizontalalign="Center"

font-size="0.9em"

font-bold="True"

backcolor="#284E98"

borderstyle="Solid"

bordercolor="#EFF3FB"

borderwidth="2px" />

<SideBarStyle verticalalign="Top"

horizontalalign="Center"

font-size="0.8em"

forecolor="#000099"

backcolor="#EFF3FB"

width="45px" />

<HeaderTemplate>

<b>Wizard Example</b>

</HeaderTemplate>

</asp:Wizard>

</form>

</body>

</html>

The following code example is the code-behind file for the Web page used in the preceding example.

C#

[VB](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.wizard(d=printer).aspx?cs-save-lang=1&cs-lang=vb#code-snippet-5)

using System;

using System.Data;

using System.Configuration;

using System.Web;

using System.Web.Security;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Web.UI.WebControls.WebParts;

using System.Web.UI.HtmlControls;

public partial class WizardClasscs\_aspx : System.Web.UI.Page

{

protected void OnFinishButtonClick(Object sender, WizardNavigationEventArgs e)

{

// The OnFinishButtonClick method is a good place to collect all

// the data from the completed pages and persist it to the data store.

// For this example, write a confirmation message to the Complete page

// of the Wizard control.

Label tempLabel = (Label)Wizard1.FindControl("CompleteMessageLabel");

if (tempLabel != null)

{

tempLabel.Text = "Your order has been placed. An e-mail confirmation will be sent to "

+ (EmailAddress.Text.Length == 0 ? "your e-mail address" : EmailAddress.Text) + ".";

}

}

protected void OnGoBackButtonClick(object sender, EventArgs e)

{

// The GoBackButtonClick event is raised when the GoBackButton

// is clicked on the Finish page of the Wizard.

// Check the value of Step1's AllowReturn property.

if (Step1.AllowReturn)

{

// Return to Step1.

Wizard1.ActiveStepIndex = Wizard1.WizardSteps.IndexOf(this.Step1);

}

else

{

// Step1 is not a valid step to return to; go to Step2 instead.

Wizard1.ActiveStepIndex = Wizard1.WizardSteps.IndexOf(this.Step2);

Response.Write("ActiveStep is set to Step2 because Step1 has AllowReturn set to false.");

}

}

protected void OnActiveStepChanged(object sender, EventArgs e)

{

// If the ActiveStep is changing to Step3, check to see whether the

// SeparateShippingCheckBox is selected. If it is not, skip to the

// Finish step.

if (Wizard1.ActiveStepIndex == Wizard1.WizardSteps.IndexOf(this.Step3))

{

if (this.SeparateShippingCheckBox.Checked)

{

Wizard1.MoveTo(this.Step3);

}

else

{

Wizard1.MoveTo(this.Finish);

}

}

}

}