

Introduction to Silverlight 4

Course Length: 3 days

Price: \$1,800

Summary

This course introduces the basics of creating and hosting Silverlight applications, working through many of the important controls, through binding Silverlight applications to live data. This course uses Visual Studio 2010 and can be taught in either VB.NET or C#. Silverlight 4.0 makes it possible for developers to create rich, interactive applications delivered through a Web browser to nearly any client operating system, including Windows, Mac, and Linux.

Who Should Attend?

This course assumes that students have some programming background and experience using Visual Studio 2010. This course assumes knowledge of VB.NET or C#, of the .NET Framework, and the current (or a prior) version of Visual Studio.

Course Outline

Introduction to Silverlight 4

- Compare declarative and procedural coding styles
- Investigate the Silverlight designer in Visual Studio 2010
- Controls and events in Silverlight 4

Layout

- Understand how the layout system works in Silverlight
- Using various containers to control layout
- Using alignment and sizing to control layout

Simple Controls

- Border, Button, CheckBox and RadioButton controls
- View and enter text using TextBlock, TextBox and PasswordBox controls
- Work with dates using the DatePicker and Calendar controls
- Using the Slider, ProgressBar and MediaElement controls

Advanced Controls

- Learn to use controls that enable users to select an item from a list
- Add menus to applications
- Explore controls that enable you to better organize content

Styles and Resources

- Investigate XAML Resources
- Learn about the hierarchy of resources
- Work with resources programmatically
- Organize resources with resource dictionaries
- Experiment with XAML Styles
- Apply Styles dynamically
- Work with Style inheritance

Navigation

- Explore navigation in Silverlight applications
- Build page-based applications that support navigation
- Navigate using XAML and code
- Use the Navigation Application project template

Binding

- Use Binding objects to bind data sources and targets
- Add data converters to manage conversion during the binding process
- Use data templates to modify the layout of bound data in lists

Working with Data

- Retrieve data from a WCF service
- Create common data bound forms
- Display information from main and related tables