

Microsoft Silverlight 4 Using Visual Basic 2010: Volume 1

GWESL410

2 days

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. 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.

In this course, you will learn:

- Learn about Silverlight's purpose, and its history
- Investigate Silverlight application templates, designer and controls in Visual Studio 2010
- Examine the Silverlight layout system
- Work with each of the simple and more complex, Silverlight controls
- Use styles and resources to create consistent, visually interesting applications
- Learn to navigate between pages
- Take advantage of element-to-element binding
- Extend binding to work with data

Prerequisites

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

Course Summary and Lessons

Introduction to Silverlight 4

- Introduce Silverlight 4
- Compare declarative and procedural coding styles
- Investigate the Silverlight designer in Visual Studio 2010
- Learn about controls and events in Silverlight 4

Layout

- Understand how the layout system works in Silverlight

- See how to use various containers to control layout
- See how to use alignment and sizing to control layout

Simple Controls

- Investigate 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
- Add visual flair using the Slider, ProgressBar and MediaElement controls

Advanced Controls

- Learn how to use controls that enable users to select an item from a list
- See how to 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
- See how to build page-based applications that support navigation
- Learn how to navigate using XAML and code
- See how to use the Navigation Application project template

Binding

- Learn to 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

- See how to retrieve data from a WCF service
- Create common data bound forms

See how to display information from main and related tables