



Microsoft Silverlight for Designers

Training Course Overview

This class is for designers who need to create user interfaces and interactive content for Silverlight applications, media players, or mobile devices. Attendees explore the capabilities of the Silverlight platform along with the tools and techniques for creating interactive Silverlight content with Microsoft Expression Studio. This course examines effective workflows between designers and developers, and ways to leverage existing design skills with tools such as Photoshop and Illustrator.

Module 1: Introducing Silverlight

- What is Microsoft Silverlight?
- Defining Silverlight Capabilities
- Key Types of Rich Media Supported
- Defining Silverlight Scenarios
- Designer/Developer Workflow
- Prototyping to the Rescue
- The XAML workflow
- An Introduction to XAML
- Importing Photoshop and Illustrator Files
- Customizing User Interface Using Controls
- Adding Interactivity with Behaviors
- Publishing and XAP file

Module 2: Prototyping Your Silverlight Project in SketchFlow

- The SketchFlow Workflow
- Feedback Using the SketchFlow Player
- SketchFlow Projects and Workspace
- SketchFlow Map
- Creating New Navigation Screens
- Using Composition Screens
- Working in the SketchFlow Player
- Creating Interactive Navigation
- Adding States in SketchFlow
- Exporting Your Project for Feedback
- Exporting to Word

Module 3: Building Assets for your Silverlight Project

- Importing Assets into Expression Blend
- Importing From Photoshop
- Importing Adobe Illustrator Files
- Creating Objects in Expression Blend
- Applying Properties to Objects
- Using the Transform pane
- Applying a Gradient
- Applying Effects

Module 4: Naming and Arranging Elements in Expression Blend

- Nested Objects: An Overview of Layout Controls
- The Grid Control
- The Canvas Control
- Exploring the Grid Control
- Grid vs. Canvas
 - Stack Panel and Border Controls
- Transforming Vs The Viewbox Control
- The Viewbox Control



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Microsoft Silverlight for Designers, *continued*

Module 5: Creating Animation & Basic Interactivity in Expression Blend

- Understanding Storyboards
- Creating Storyboard Resources
- Behaviors in Expression Blend

- Modifying a Property
- Making the Property Public
- Passing an Argument to set the property
- Using Get/Set to access methods
- Initializing a Property Through a Constructor

Module 6: Working with the Visual State Manager

- Modifying UI Controls
- Modifying States & Transitions
- Applying Style templates to Existing Controls
- Modifying Control Labels and Icons
- Creating a Custom UI Control
- Defining States & Transitions in a Custom Control
- Editing the Content Presenter

Module 9: Advanced Coding & Interactivity: Practical Application

- Using Classes in User Controls
- Adding states to custom controls
- Extending the abilities of custom controls with C#
- Adding Exposed Properties

Module 7: Using Video in Expression Blend 3

- Preparing Video with Expression Encoder
- Preparing Silverlight Compatible Video
- Encoding Basics
- Using/Customizing presets
- Adding Video Files to an Expression Blend 3 Project
- Using the MediaElement control
- Adding Basic Controls for Video Playback
- Using C# to control MediaElement (Play, Pause)

Module 10: Working with Data

- Creating a Sample Data Model
- Importing Sample XML Data
- A Look at the List & DataGrid Controls
- Setting Data Binding to UI elements
- Binding to element properties
- Using the PathListBox

Module 8: C# Sharp Primer

- Brief C# and .Net Background
 - Common Object Models (COM)
 - Operating System (OS)
 - Application Programming Interface (API)
 - Services
- What are Namespaces?
- What is Object-Oriented: Understanding Classes, Methods & Properties

Module 11: A look at Deep Zoom Composer

- Creating a Deep Zoom project
- Adding Source Files
- Creating a Composition
- Publishing a Final Standalone DZ Experience
- Publishing Online Experiences at DeepZoomPics.com
- Adding Your Composition to a Blend Project

Module 12: Final Deployment

- Building Your Solution
- Adding Silverlight Application to a Web Page
- Checking Out Your Work

For customized training all topics can be modified to meet your needs.