

Silverlight Course Content:35-40hours

Course Outline

What you will learn

- Silverlight Architecture
- RIA Services
- XAML
- M-V-VM patterns
- PRISM framework
- Silverlight Controls
- Silverlight with RESTful services, WCF, Duplex, and Sockets
- Silverlight DataBinding
- Storage & Deployment
- Out of browser applications

Overviews

- Using Blend
- Styles and Templates
- Using Sample Data
- Working with Services

Creating Services for Silverlight

- Silverlight enabled WCF services
- RESTful services with POX and JSON
- Consuming Services
- WCF, ASMX
- WCF Data Services
- Other Services (REST, POX)
- Security restrictions
- Duplex Polling Services
- Working with Data
- Using Entity Framework with Silverlight

- Creating and exposing conceptual models to Silverlight
- Making EF testable

Using RIA Services for n-tier

- Understanding .Net RIA Services
- Pros and cons
- Validation model and shared code
- Creating RIA Services applications
- Using the Data Form with Ria Services
- Using RIA services with other data bound controls

Silverlight Environment

- Hosting the Silverlight Control
- File IO
- Isolated Storage
- Out of Browser
- Partial Trust

Silverlight Unit Testing

- Installing the framework
- Writing Unit Tests for Silverlight code
- Adopting TDD and Silverlight
- Testing User Interface

Model View ViewModel (MVVM)

- Understanding MVVM
- Separation of Concerns
- ICommand Interface
- Using M-V-VM in Silverlight

Managed Extensibility Framework (MEF)

- Understanding MEF
- Export and Import Attributes
- Composition
- Loading on Demand

PRISM (i.e. Composite Application Guidance)

- Understanding PRISM
- Examining the parts of PRISM
- Getting and installing Prism
- Implementing PRISM in your Project
- Pro and Cons

Review and Summary

- Review of technologies and approaches
- Summary and a look to the future