



## Silverlight Course Content (150 hours of teaching)

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## Understanding Silverlight

- ✓ Silverlight vs flash
- ✓ Silverlight and WPF
- ✓ Silverlight and asp.net
- ✓ Silverlight and .net framework

## Understanding XAML and Silverlight together

- ✓ Understanding XAML
- ✓ Understanding XAML and the reason it came into existence.
- ✓ Understanding dependency property, routed events and commands.

## Understanding Silverlight controls

- ✓ Understanding Silverlight control class
- ✓ Categorizing Silverlight controls and understanding how each different category works
- ✓ Digging deep into Silverlight controls.

## Understanding Silverlight UI layout

- ✓ Understanding Silverlight layout and panels – Canvas, Stack, wrap, dock, grid panels
- ✓ Understanding correct control placement and visibility inside panels

## Understanding and using Silverlight resources

- ✓ Binary resources
- ✓ Static resources
- ✓ Dynamic resources
- ✓ Interacting with system resources

## Creating our first Silverlight project

- ✓ Silverlight and HTML – running silverlight control inside HTML
- ✓ Silverlight and asp.net – running silverlight controls in asp.net environment.
- ✓ Silverlight and asp.net MVC – running silverlight controls inside MVC application.

## Silverlight and asp.net

- ✓ Communication between Silverlight and asp.net
- ✓ Access asp.net framework from inside Silverlight



- ✓ Building real world applications using Silverlight and asp.net

## Ado.net

- ✓ Demystifying the connection string.
- ✓ Understanding sql server express.
- ✓ Working with dataset and datareader
- ✓ Understanding sqlConnection , sqlCommand and sqlParameter classes.
- ✓ Using ado.net with asp.net.

## LINQ to SQL

- ✓ Understanding LINQ
- ✓ Designing the database to be fit for using LINQ
- ✓ Understanding DataContext and Entities
- ✓ Learning LINQ to SQL basics
- ✓ Using LINQ as a data access layer in real world projects

## Understanding Silverlight databinding

- ✓ Understanding WPF databinding
- ✓ Databinding using plain .net properties
- ✓ Databinding using dot net objects
- ✓ Databinding WPF using collections
- ✓ Understanding DataContext
- ✓ Understanding data providers – XmlDataProvider, ObjectDataProvider

## Silverlight and Javascript

- ✓ Using Silverlight and javascript together.

## Silverlight and WCF

- ✓ An introduction to WCF
- ✓ Understanding how to build WCF services
- ✓ Consuming WCF services from within Silverlight.