

Course duration

- 3 days

Course Benefits

- Gain an understanding of the philosophy and architecture of WPF
- Create Windows applications using the classes provided by WPF
- Understand the principles of XAML and create applications using a combination of code and XAML
- Use the layout features of WPF to create flexible and attractive user interfaces
- Implement event and command-driven applications with windows, menus, dialogs, toolbars, and other common user interface features
- Use more advanced features of WPF such as dependency properties, routed events, and logical resources

Available Delivery Methods

Public Class

Public expert-led online training from the convenience of your home, office or anywhere with an internet connection. Guaranteed to run .

Private Class

Private classes are delivered for groups at your offices or a location of your choice.

Course Outline

1. Introduction to WPF
 1. Why WPF?
 2. What Is WPF?
 3. .NET Core and WPF
 4. WPF Overview
 5. Application and Window
 6. A Simple WPF Application
 7. Using Visual Studio 2019
 8. Brushes
 9. Panels
2. XAML
 1. Role of XAML

2. Elements and Attributes
3. Namespaces
4. Property Elements
5. Type Converters
6. Content Property
7. Collections
8. XAML and Procedural Code
3. WPF Controls
 1. Button
 2. Label
 3. TextBox
 4. ToolTip
 5. RadioButton
 6. CheckBox
 7. ListBox
 8. ComboBox
4. Layout
 1. Sizing
 2. Positioning
 3. Transforms
 4. Canvas
 5. Drawing Shapes
 6. StackPanel
 7. WrapPanel
 8. DockPanel
 9. Grid
 10. Scrolling
 11. Scaling
5. Dialogs
 1. Message Boxes
 2. Win32 Common Dialogs
 3. Custom Modal Dialogs
 4. Custom Modeless Dialogs
6. Menus and Commands
 1. Menus
 2. Context Menus
 3. Icons on Menu Items
 4. Commands
 5. Keyboard Shortcuts
 6. Disabling Menu Items
 7. Checking Menu Items
7. Toolbars and Status Bars
 1. Toolbars
 2. Toolbars and Commands
 3. Status Bars
8. Dependency Properties and Routed Events
 1. Dependency Properties

2. Change Notification
3. Property Value Inheritance
4. Support for Multiple Providers
5. Routed Events
6. Routing Strategies
9. Resources
 1. Resources in WPF
 2. Binary Resources
 3. Logical Resources
 4. Static versus Dynamic Resources

Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the class examples.

Class Prerequisites

Experience in the following *is required* for this ASP.NET class:

- A working knowledge of C# and the .NET Framework.