Software Skills Training, Inc.

Contact Us
978.250.4983

Windows Presentation Foundation Programming Using .NET Core

Duration: 3 Days *(Face-to-Face & Remote-Live)*, or 21 Hours *(On-Demand)*

Price: $1695 *(Face-to-Face & Remote-Live)*, or $895 *(On-Demand)*

Discounts: We offer multiple discount options. Click here for more information.

Delivery Options: Attend face-to-face in the classroom, remote-live or via on-demand training.

Description

This course introduces Windows Presentation Foundation (WPF), the .NET technology from Microsoft for building rich Windows applications. WPF utilizes an XML-based markup language for defining program elements, Extensible Application Markup Language (XAML). WPF applications can be created using only code, or a combination of code and XAML pages. This course covers the essentials of Windows Presentation Foundation, providing an orientation to this technology and a firm foundation for creating applications in the context of the .NET Core framework. The course uses Visual Studio, the C# language, and the latest versions of .NET Core. Comprehensive hands on exercises are integrated throughout the training in order to reinforce learning and develop real competency.

Learning WPF can be challenging. This course approaches the subject in a practical manner, introducing the student to the fundamentals of creating Windows applications using the features of WPF in lab exercises at the end of every chapter. The course includes coverage of traditional concepts such as controls and also new concepts such as XAML, logical resources, flexible layout, dependency properties, routed events, and the loosely-coupled command architecture of WPF.

Prerequisites

Previous C# programming experience is required. Knowledge of fundamental XML syntax is helpful, but not required.

Contact Us if you do not have prior C# experience and need assistance with choosing a preliminary course to learn C# fundamentals before taking this course.

Course Overview

Introduction to WPF

- Why WPF?
- What Is WPF?
- .NET Core and WPF
- WPF Overview
- Application and Window
- A Simple WPF Application
- Using Visual Studio
- Brushes
- Panels

XAML

- Role of XAML
- Elements and Attributes
- Namespaces
- Property Elements
- Type Converters
- Content Property
- Collections
- XAML and Procedural Code

WPF Controls

- Button
- Label
- TextBox
- ToolTip
- RadioButton
- CheckBox
- ListBox
- ComboBox

Layout

- Sizing
- Positioning
- Transforms
- Canvas
- Drawing Shapes
- StackPanel
- WrapPanel
- DockPanel
- Grid
- Scrolling
- Scaling

Dialogs

- Message Boxes
- Win32 Common Dialogs
- Custom Modal Dialogs
- Custom Modeless Dialogs

Menus and Commands

- Menus
- Context Menus
- Icons on Menu Items
- Commands
- Keyboard Shortcuts
- Disabling Menu Items
- Checking Menu Items

Toolbars and Status Bars

- Toolbars
- Toolbars and Commands
- Status Bars

Dependency Properties and Routed Events

- Dependency Properties
- Change Notification
- Property Value Inheritance
- Support for Multiple Providers
- Routed Events
- Routing Strategies

Resources

- Resources in WPF
- Binary Resources
- Logical Resources
- Static versus Dynamic Resources

Software Skills Training, Inc.
6 Hemlock Drive
Chelmsford, MA 01824
978.250.4983
www.software-skills-training.com

Copyright © 2021 Software Skills Training, Inc.