



Windows Presentation Foundation

مُلاصحه : در این دوره دانش پژوهان دانش لازم در جهت تولید پروژه های WPF را کسب می نمایند.

مدت دوره: ۳۲ ساعت

پیش نیاز: (1) Programming in C#

اهداف دوره:

- تولید پروژه های کاربردی
- تولید ابزارها و کنترل های جدید برنامه نویسی
- درج افکتهای گرافیکی و انیمیشینی به پروژه ها

سرفصل دوره:

Lesson 1: Creating an Application by Using WPF

- Overview of WPF
- Creating a Simple WPF Application
- Handling Events and Commands
- Navigating Between Pages

Lesson 2: Building User Interfaces

- Defining Page Layout
- Building User Interfaces by Using Content Controls
- Building User Interfaces by Using Items Controls
- Hosting Windows Forms Controls

Lesson 3: Customizing Appearance

- Sharing Logical Resources in an Application
- Creating Consistent User Interfaces by Using Styles
- Changing the Appearance of Controls by Using Control Templates
- Enhancing User Interfaces by Using Triggers and Animations

Lesson 4: Data Binding

- Overview of Data Binding
- Creating a Data Binding
- Implementing Property Change Notification Endview
- Converting Data
- Validating Data

Lesson 5: Data Binding to Collections

- Binding to Collections of Objects
- Presenting Data by Using Collection Views
- Presenting Data by Using Data Templates

Lesson 6: Creating New Controls

- Overview of Control Authoring
- Creating Controls

Lesson 7: Managing Documents

- Creating and Viewing Flow Documents
- Creating and Viewing Fixed Documents
- Packaging Documents
- Printing Documents

Lesson 8: Presenting Expression Blend

Lesson 9: Configuring and Deploying Applications in Windows Presentation Foundation

- Deployment Options
- Deploying a Stand-Alone WPF Application
- Deploying an XBAP Application
- Configuring Manifest Settings

Lesson 10: MVVM