



Visual Studio 2008: Windows Presentation Foundation 70-502

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

مدت دوره: ۳۰ ساعت

پیش نیاز: Windows Forms Application MS C# . NET

مدرس: استاد داریوش تصدیقی

مفاد: این دوره به کسانی که دوره NET . NET Framework 3.5 Windows Forms Application MS C# . NET گذرانده اند و نیز تمایل به تولید برنامه های تحت ویندوز و یا تحت وب دارند توصیه می شود.

اهداف دوره:

- تولید پروژه های کاربردی
- تولید ابزارها و کنترل های جدید برنامه نویسی
- درج افکتهای گرافیکی و انیمیشنی 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
- 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: Graphics and Multimedia

Creating 2-D graphics

Displaying Images

Creating 3-D Graphics

Manipulating the 3-D Environment

Adding Multimedia

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