



To register or for more information call our office (208) 898-9036 or email register@leapfoxlearning.com



20481 Essentials of Developing Windows Metro Style Apps Using HTML5 and JavaScript

Duration: Five Days

Overview: Students will learn essential programming skills and techniques that are required to develop Windows Store apps, including design and development skills, and use of the Visual Studio and Expression Blend tools.

Who Should Attend: This course is intended for professional developers who have 1 or more years of experience in creating applications.

Prerequisite(s) or equivalent knowledge

20480 Programming in HTML5 with JavaScript and CSS3

Outline

Lesson 1: Overview of the Windows 8 Platform and Windows Store Apps

- Introduction to the Windows 8 Platform
- Windows 8 User Interface Principles
- WinRT and Language Projections
- Lab : Overview of the Windows 8 Platform and Windows Store Apps

Lesson 2: Single-Page Applications and the MVVM Design Pattern

- Single-Page Applications
- The MVVM Design Pattern
- Lab : Single-Page Apps and the MVVM Design Pattern

Lesson 3: Using WinJS

- The WinJS Library
- WinJS APIs
- Lab : Using WinJS

Lesson 4: Implementing Layout using Windows 8 Built-In Controls

- Windows 8 Layout Controls
- Implementing WinJS Controls and Templates
- The AppBar Control
- Snap and Fill
- Lab : Implementing Layout using Windows 8 Built-In Controls

Lesson 5: Presenting Data

- Working with Data Presentation Controls
- The ListView Control
- Lab : Presenting Data

Lesson 6: Handling Files in Windows Store Apps

- Handling Files and Streams in Windows Store apps
- Working with File User Interface Components
- Lab : Handling Files in Windows Store Apps

Lesson 7: Windows Store App Process Lifetime Management

Process Lifetime Management
Launching Windows Store Apps
Implementing State Management Strategy
Lab : Windows Store App Process Lifetime Management

Lesson 8: Designing and Implementing Navigation in a Windows Store App

Handling Navigation in Windows Store apps
Semantic Zoom
Lab : Designing and Implementing Navigation in a Windows Store App

Lesson 9: Implementing Windows 8 Contracts

Designing for Charms and Contracts
The Search Contract
The Share Contract
Managing App Settings and Preferences
Lab : Implementing Windows 8 Contracts

Lesson 10: Implementing Tiles and User Notifications

Implementing Tiles, Live Tiles, Secondary Tiles, and badge Notifications
Implementing Toast Notifications
Lab : Implementing Tiles and User Notifications

Lesson 11: Designing and Implementing a Data Access Strategy

Evaluating Data Access Strategies
Working with Remote Data
Lab : Designing and Implementing a Data Access Strategy

Lesson 12: Responding to Mouse and Touch

Working with Mouse Events
Working with Gesture Events
Lab : Responding to Mouse and Touch

Lesson 13: Planning for Windows Store App Deployment

e Windows Store App Manifest
Windows Store App Certification
•Windows 8 Enterprise App Deployment

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