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## Essentials of Developing Windows Store Apps Using C#

**Duration: 5 Days Course Code: M20484**

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### Overview:

Learn essential programming skills and techniques, including Visual Studio and Expression Blend tools, required to develop Windows Store apps. In this course, you will learn essential programming skills and techniques, for both design and development, to develop Windows Store apps. You will also learn to make the most of Visual Studio and Expression Blend tools. This course uses Visual Studio 2013 and Windows 8.1. This course incorporates materials from the Official Microsoft Learning Product 20484: Essentials of Developing Windows Store Apps using C#. It covers the skills and knowledge measured by Exam 70-484 and, in conjunction with hands-on experience, can help you prepare for the exam.

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### Target Audience:

Developers with at least one year or more experience creating applications

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### Objectives:

- Windows 8.1 platform and features and the basics of a Windows app interface
- Create the user interface (UI) layout and structure by using XAML
- Use data binding to present data in the UI
- Implement the AppBar and layout control
- Handle files and stream
- Respond to application lifecycle events using Process Lifetime Management (PLM) and the PLM extensibility points provided by the Visual Studio 2013 templates
- Use templates to create the UI
- Handle navigation scenarios in a Windows Store app
- Design and implement contracts, such as search, share, and settings
- Implement tiles and toast notifications in a Windows Store app
- Respond to mouse, keyboard, and touch events, including gestures
- Deploy a Windows Store app to the Windows Store or an enterprise store

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### Testing and Certification

- This course helps prepare candidate for exam 70-484
- Exam 70-484: Essentials of Developing Windows Store Apps Using C# as credit toward the following certification(s):
- MCSD: Windows Store Apps using C#

## Content:

1. Windows 8.1 Platform and Windows Store Apps
  - Introduction to the Windows 8.1 Platform
  - Windows 8.1 UI Principles
  - WinRT and Language Projections
2. Creating User Interfaces Using XAML
  - Learn XAML Basics XAML Code-Behind and Advanced XAML
3. Presenting Data
  - Data Presentation Controls and the GridView Control
4. Implementing Layout Using Windows 8.1 Built-in Controls
  - WinRT Controls and AppBar Controls
  - Windowing Modes
5. Handling Files in the Windows Store Apps
  - Handling Files and Streams in Windows Store Apps
  - Work with File User Interface Components
6. Windows Store App Process Lifetime Management (PLM)
  - Process Lifetime Management (PLM)
  - Windows Store App Activation and Background Tasks
  - Implement a State Management Strategy
7. Working with Resources, Styles, and Templates
  - Create Shared Resources, Styles, and Templates
8. Designing and Implementing Navigation in a Windows Store App
  - Handling Navigation in Windows Store App
  - Semantic Zoom
9. Implementing Windows 8.1 Contracts
  - Designing for Charms and Contracts
  - Search Contract and Share Contract
  - SearchBox Control
  - Managing App Settings
10. Implementing Tiles and User Notifications
  - Implement Tiles, Live Tiles, Secondary Tiles, and Badge Notifications
  - Implementing Toast Notifications
11. Designing and Implementing a Data Access Strategy
  - Evaluating Data Access Strategies and Working with Remote Data
12. Responding to Mouse and Touch Events
  - Work with Pointer Events and Gesture Events
13. Planning for Windows Store App Development
  - Learn the Windows Store App Manifest
  - Windows Store App Certification

## Classroom Labs

Lab 1: Windows 8.1 Platform and Windows Store Apps

Lab 2: Create User Interfaces Using XAML

- Create and Enhance the User Interface Using Visual Studio 2013

Lab 3: Presenting Data

Lab 4: Implement Layout Using Windows 8.1 Built-In Controls

- Implement an AppBar Control
- Create Adaptive Views

Lab 5: Handling Files in Windows Store Apps

- Read and Write Data From and To the Notes File using File API
- Add Photos to a Note using File Picker

Lab 6: Windows Store App Process Lifetime Management (PLM)

- Different PLM States
- Implement State Management

Lab 7: Styles and Templates

Lab 8: Design and Implement Navigation in a Windows Store App

- Add Navigation to the ILoveNotes App
- Semantic Zoom

Lab 9: Implement Windows 8.1 Contracts

- Implement the Search and Share Contract
- Add a New Setting to the Settings Page

Lab 10: Implement Tiles and User Notifications

- Enable Live Tile Functionality on the Main Tile
- Add Secondary Tiles Functionality and Scheduled Toast Notifications for ToDo Notes

Lab 11: Design and Implement a Data Access Strategy

Lab 12: Respond to Mouse and Touch

- Implement Mouse Events and Gesture Events

## Further Information:

For More information, or to book your course, please Email us on:

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