

5 Days

## 20481C: Essentials of Developing Windows Store Apps Using HTML5 and JavaScript

This course will enable the students in learning required programming skills and techniques that are essential in developing Windows Store apps. It includes a combination of both design and development skills, as well as ensuring that students are comfortable using and making the most of the Microsoft Visual Studio and Expression Blend tools.

### Objectives:

You should be able to meet the following objectives after the completion of this course:

- Describing the Windows 8 platform and features, and explore the basics of a Windows app interface.
- Designing and implement contracts such as Search, Share, and Settings.
- Implementing tiles and toast notifications in a Windows Store app.
- Applying the MVVM pattern to application design.
- Responding to mouse, keyboard and touch events, including gestures.

## Course Details

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### Course Outline

**Module 1:** Overview of the Windows 8.1 Platform and Windows Store Apps

**Module 2:** Single-Page Apps and the MVVM Design Pattern

**Module 3:** Using WinJS

**Module 4:** Implementing Layout Using Windows 8.1 Controls

**Module 5:** Presenting Data

**Module 6:** Implementing Tiles and User Notifications

**Module 7:** Handling Files in Windows Store Apps

**Module 8:** Windows Store App Process Lifetime Management

**Module 9:** Designing and Implementing Navigation in a Windows StoreApp

**Module 10:** Implementing Windows 8.1 Contracts

**Module 11:** Designing and Implementing a Data Access Strategy

**Module 12:** Responding to Mouse and Touch

**Module 13:** Planning for Windows Store App Deployment

## Who Should Attend

- Professional developers?

## Pre Requisite

?The students must fulfill the following prerequisites to be eligible for this course:

- One or more years of experience creating applications
- At Least 1 to 3 months experience creating Windows client applications and using Visual Studio 2010 or 2012
- Attended Course 20480B: Programming in HTML5 with JavaScript and CSS3, or equivalent knowledge

## Exams

Microsoft Certified Professional (MCP) [70-481]

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