

20481CC

**Essentials of Developing
Windows Store Apps Using
HTML5 and JavaScript**

5 DAYS

In this course, students will learn essential programming skills and techniques that are required to develop Windows Store apps. This 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.

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

Introduction to the Windows 8.1 Platform

Windows 8 UI Principles

WinRT and Language Projections

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

Single-Page Applications

The MVVM Design Pattern

Module 3: Using WinJS

The WinJS Library

WinJS APIs

Module 4: Implementing Layout Using Windows 8.1 Controls

Windows 8.1 Layout Controls

Implementing WinJS Controls and Templates

The AppBar Control

Windowing Modes

Module 5: Presenting Data

Working with Data Presentation Controls

The ListView Control

Module 6: Implementing Tiles and User Notifications

Implementing Tiles, Live Tiles, Secondary Tiles, and Badge Notifications

Implementing Toast Notifications

Module 7: Handling Files in Windows Store Apps

Handling Files and Streams in Windows Store Apps

Working with File User Interface Components

Module 8: Windows Store App Process Lifetime Management

Process Lifetime Management
Windows Store App Activation and Background Tasks
Implementing a State Management Strategy

Module 9: Designing and Implementing Navigation in a Windows StoreApp

Handling Navigation in Windows Store Apps
Semantic Zoom

Module 10: Implementing Windows 8.1 Contracts

Designing for Charms and Contracts
The Search Contract
The Share Contract
Managing App Settings and Preferences

Module 11: Designing and Implementing a Data Access Strategy

Evaluating Data Access Strategies
Working with Remote Data

Module 12: Responding to Mouse and Touch

Working with Mouse Events
Working with Gesture Events

Module 13: Planning for Windows Store App Deployment

The Windows Store App Manifest
Windows Store App Certification
Change an app's package manifest to meet the requirements for deploying to the Windows Store.
Deploy an app to the Windows Store and prepare an app for enterprise deployment.