

# Advanced Windows Store App Development Using HTML5 and JavaScript

20482B



**Delivery Type:** Classroom

**Duration:** 5 days

## Overview:

This course will teach you advanced programming practices and techniques that will help you develop Windows Store apps. In this course, you will learn how design and develop Windows Store apps, as well as implement advanced features, such as using location information, streaming media to external devices, and integrating with online services. You will also learn how to use Microsoft Visual Studio 2013 and Expression Blend tools. This course maps to the 70-482 exam.

## Audience Profile:

This course is intended for professional developers who have one or more years of experience creating

applications for a production environment and who are comfortable programming in HTML5, JavaScript and CSS to create Windows Store apps.

## Course Completion:

- ✓ After completing this course, students will be able to:
- ✓ Add animations and transitions in a Windows Store app to improve the user experience.
- ✓ Localize the Windows Store app UI.
- ✓ Brand the Windows Store app and improve the loading experience with a splash screen.
- ✓ Use various storage mechanisms, choose a suitable caching strategy for their Windows Store app, and use advanced file access methods.

- ✓ Create custom controls, extend templated controls, and create and consume WinMD components.
- ✓ Implement the Print and Settings contracts and the Play To API.
- ✓ Work with the Push Notification Service (WNS).
- ✓ Capture media with the camera and microphone.
- ✓ Create and consume background tasks.
- ✓ Discover device capabilities, interact with devices, and act upon sensor data.
- ✓ Implement Windows Store trial licensing and in-app purchasing and advertising.
- ✓ Understand how to manage Windows authentication and web authentication in Windows Store apps.

- ✓ Diagnose problems and monitor application behavior by using tracing and profiling tools and APIs.

**Prerequisites:**

- ✓ 6 to 12 months experience programming in HTML5.
- ✓ 3 to 6 months experience using Visual Studio 2013 (including experience in using preview builds).
- ✓ Minimum one month of experience working on Windows Store apps.
- ✓ This course is intended for professional developers who have 1 or more years of experience creating applications for a production environment.