



# HEROTEC

NETWORK PROFESSIONAL TRAINING

Essentials of Developing Windows® Store Apps Using HTML5 and JavaScript

<b>Related Certificate</b>	<b>Microsoft Development</b>
<b>Course ID</b>	<b>20-481</b>
<b>Related Exams</b>	<b>70-481</b>
<b>Audience</b>	<b>Developer</b>
<b>Hours</b>	<b>40</b>

## Overview:

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 Visual Studio and Expression Blend tools.

## Objectives:

- Describe the Windows 8 platform and features, and explore the basics of a Windows app interface.
- Create the User Interface layout and structure.
- Apply the MVVM pattern to application design.
- Implement the AppBar and layout controls.
- Use templates to create the UI.
- Use data binding to present data in the UI.
- Handle files and streams.
- Design and implement Process Lifetime Management (PLM).
- Handle navigation scenarios in a Windows Store app.
- Implement Semantic Zoom.
- 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.

## Outlines:

- Module 1: Overview of the Windows 8 Platform and Windows Store Apps
- Module 2: Single-Page Applications and the MVVM Design Pattern
- Module 3: Using WinJS
- Module 4: Implementing Layout using Windows 8 Built-In Controls
- Module 5: Presenting Data
- Module 6: Handling Files in Windows Store Apps
- Module 7: Windows Store App Process Lifetime Management
- Module 8: Designing and Implementing Navigation in a Windows Store App
- Module 9: Implementing Windows 8 Contracts
- Module 10: Implementing Tiles and User Notifications
- Module 11: Designing and Implementing a Data Access Strategy
- Module 12: Responding to Mouse and Touch
- Module 13: Planning for Windows Store App Deployment

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