



Hands-On Lab 40024B:

Hands On Lab: Introduction to Windows 8 Development - HTML5

Course Length: 3 Hours

Overview

This three hour Hands-On Lab (HOL) will introduce developers to the tools and techniques for creating Windows Store apps using JavaScript with HTML5 and CSS3. It will outline the Windows 8 platform, Windows Store apps guidelines, Windows 8 contracts, tiles and notifications, and the Windows store.

Target Student

This Hands-On Lab is intended for professional developers that come from the HTML5 space and Web development background. Developers should have 1-2 years of experience in their field.

Objectives

After completing this Hands-on Lab, students will be able to:

- Use the Windows 8 Start screen
- Run apps using tiles
- Use the Charms bar
- Examine Windows Store apps and their design
- Create a Grid Application
- Create a Split Application
- Explore how the WinJS Library is used
- Explore how Search Contract is integrated
- Explore how Share Contract is integrated
- Explore how Settings Contract is integrated
- Explore how Live Tiles in a Windows Store app are used
- Explore how Toast Notifications in a Windows Store app are used
- Explore the Windows Store
- Explore the trial version settings of a Windows Store app

NOTE: The Hands-on Lab exercises guide you through few sample apps in Windows 8 SDK. You will review some of the sample code and see how a particular feature has been implemented. This allows you to focus on areas that you are most interested in for your application and customize accordingly. Work with your instructor on what is important to

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you. To use your time wisely and learn further, you can use other functioning apps available in the SDK.

Prerequisites

Before attending this course, students must have:

- Knowledge of graphical interface design
- Knowledge of Object Oriented Programming design and development
- Simple data access (CRUD) knowledge
- General understanding of the Visual Studio IDE

Course Content

Exercise 1: Introduction to Windows 8 Platform

In this lab you will explore the various Windows 8 features and see how to work with them.

Lab : Introduction to Windows 8 Platform

Using the Start Screen

Running Apps Using Tiles

Using the Charms Bar

After completing this lab, students will be able to:

Use the Windows 8 Start screen.

Run Windows Store apps using tiles.

Use the Charms bar.

Exercise 2: Exploring Windows Store Apps

In this lab you will explore the Windows Store apps guidelines and learn to apply them to apps.

Lab : Exploring Windows Store Apps

Exploring Windows Store Apps

After completing this lab, students will be able to:

Examine Windows Store apps and their designs.

Exercise 3: Implementing Windows Store Apps with HTML5 and JavaScript

In this lab you will explore how to create Windows Store apps using HTML5, and JavaScript.

You will learn how to create a grid application and how to use the WinJS library.

Lab : Implementing Windows Store Apps with HTML5 and JavaScript

Creating a Grid App

Creating a Split App

Using the WinJS Library

After completing this lab, students will be able to:

Create a Grid App

Create a Split App

Use the WinJS Library

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Exercise 4: Integrating with Windows 8 experiences

In this lab you will explore how the built-in contracts such as Search, Share, Settings are integrated.

Lab : Integrating with Windows 8 experiences

Integrating Search Contract

Integrating Share Contract

Integrating Settings Contract

After completing this lab, students will be able to:

Examine how Search contract is implemented

Examine how Share contract is implemented

Examine how Settings contract is implemented

Exercise 5: Implementing Tiles and Notifications

In this lab you explore how Tiles and Notifications that let users personalize their Start screen are implemented.

Lab : Implementing Tiles and Notifications

Using Live Tiles in a Windows Store app

Using Toast Notifications in a Windows Store app

After completing this lab, students will be able to:

Integrate live tiles into a Windows Store app.

Integrate toast notifications into a Windows Store app.

Exercise 6: Exploring the Windows Store

In this lab you will explore the Windows Store, and work on creating a trial version of a Windows Store app.

Lab : Exploring the Windows Store

Exploring the Windows Store

Exploring a Trial Version to a Windows Store App

After completing this lab, students will be able to:

Explore the Window Store and its categories

Understand a Windows Store app's license configuration

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