

Essentials of Developing Windows Store Apps Using HTML5 and JavaScript (20481)

- **Formato do curso:** Presencial
- **Localidade:** Porto
- **Com certificação:** Microsoft Certified Solutions Developer (MCSD)
- **Data:** 17 Jul. 2019 a 23 Jul. 2019
- **Preço:** 1600€
- **Horário:** Laboral - das 09h30 às 17h30
- **Nível:** Intermédio
- **Duração:** 35 horas

Neste curso, os formandos irão aprender as competências básicas de programação e técnicas necessárias ao desenvolvimento de Windows Store Apps. Serão consolidadas as competências de desenho e programação garantindo que os formandos se familiarizem e tirem o máximo proveito das seguintes ferramentas: Microsoft Visual Studio e Expression Blend.

Destinatários

- Programadores com conhecimentos confortáveis em HTML5, JavaScript e CSS3
- Quem esteja interessado em fazer o exame 70-481

Pré-requisitos

- Experiência em criação de aplicações
- Experiência em criação de aplicações cliente Windows
- Experiência em Visual Studio 2010 ou 2012
- Frequência no curso 20480B ou conhecimento equivalente

Objectivos

- Descrever a plataforma e funcionalidades do Windows 8 e explorar as bases do interface de uma Windows App.
- Criar o layout e estrutura do interface de utilizador.

- Aplicar o padrão MVVM no desenho da aplicação.
- Implementar o AppBar e os controlos de layout.
- Utilizar templates para a criação do UI.
- Utilizar data binding para representar dados no UI.
- Trabalhar com ficheiros e streams.
- Desenhar e implementar o Process Lifetime Management (PLM).
- Gerir os cenários de navegação numa aplicação Windows Store App.
- Implementar Semantic Zoom.
- Desenhar e implementar contratos, tais como: Search, Share e Settings.
- Implementar tiles e toast notifications numa aplicação Windows Store App.
- Responder a eventos de mouse, teclado e touch, incluindo gestores.
- Instalar uma aplicação Windows Store App na Windows Store ou numa enterprise store.

Programa

Overview of the Windows 8 Platform and Windows Store Apps

This module describes the Windows 8 platform and features, and explores the basics of a Windows Store app interface.

- Lessons Introduction to the Windows 8 Platform Windows 8 User Interface Principles WinRT and Language Projections
- Lab : Overview of the Windows 8 Platform and Windows Store Apps Explore Windows 8 Platform Explore a Windows Store App

Single-Page Applications and the MVVM Design Pattern

This module describes the principles used for building single-page apps and how to apply the MVVM design pattern using JavaScript.

- Lessons Single-Page Applications The MVVM Design Pattern
- Lab : Single-Page Apps and the MVVM Design Pattern Paper Based Quiz

Using WinJS

This module explains how to use WinJS to build Windows Store apps.

- Lessons The WinJS Library WinJS APIs
- Lab : Using WinJS Define the Data Namespace and Objects Use promises to load data asynchronously

Implementing Layout using Windows 8 Built-In Controls

This module explains how to implement the AppBar and layout controls.

- Lessons Windows 8 Layout Controls Implementing WinJS Controls and Templates The AppBar Control Snap and Fill
- Lab : Implementing Layout using Windows 8 Built-In Controls Implement an AppBar Control Create

Adaptive Views

Presenting Data

This module explains how to use data binding to present data in the User Interface.

- Lessons Working with Data Presentation Controls The ListView Control
- Lab : Presenting Data Implement the ListView Control

Handling Files in Windows Store Apps

This module explains how to handle files and streams in Windows Store Apps.

- Lessons Handling Files and Streams in Windows Store apps Working with File User Interface Components
- Lab : Handling Files in Windows Store Apps Write Data to the Notes File Read Data from the Notes File

Windows Store App Process Lifetime Management

This module explains how to respond to application lifecycle events using Process Lifetime Management (PLM) and the PLM extensibility points provided by the Visual Studio 2012 templates.

- Lessons Process Lifetime Management Launching Windows Store Apps Implementing State Management Strategy
- Lab : Windows Store App Process Lifetime Management Explore the Different PLM States Implement State Management

Designing and Implementing Navigation in a Windows Store App

This module explains how to handle navigation scenarios in a Windows Store app and how to implement Semantic Zoom.

- Lessons Handling Navigation in Windows Store apps Semantic Zoom
- Lab : Designing and Implementing Navigation in a Windows Store App Add Navigation to the App Implement Semantic Zoom

Implementing Windows 8 Contracts

This module explains how to design and implement Windows 8 contracts such as Search, Share and Settings.

- Lessons Designing for Charms and Contracts The Search Contract The Share Contract Managing App Settings and Preferences
- Lab : Implementing Windows 8 Contracts Implement the Search Contract Implement the Share Contract Adding a New Setting to the Settings Pane

Implementing Tiles and User Notifications

This module explains how to implement tiles and toast notifications in a Windows Store App.

- Lessons Implementing Tiles, Live Tiles, Secondary Tiles, and Badge Notifications Implementing Toast Notifications

- Lab : Implementing Tiles and User Notifications Enable Live Tile Functionality in the Main Tile Add Secondary Tile Functionality

Designing and Implementing a Data Access Strategy

This module explains how to implement various data access scenarios for Windows Store apps.

- Lessons Evaluating Data Access Strategies Working with Remote Data
- Lab : Designing and Implementing a Data Access Strategy Paper Based Quiz

Responding to Mouse and Touch

This module explains how to respond to mouse, keyboard and touch events, including gestures.

- Lessons Working with Mouse Events Working with Gesture Events
- Lab : Responding to Mouse and Touch Implement Mouse Events Implement Gesture Events

Planning for Windows Store App Deployment

This module explains how to deploy Windows Store apps to the Windows Store or an enterprise store.

- Lessons The Windows Store App Manifest Windows Store App Certification Windows 8 Enterprise App Deployment