

# Advanced Windows Store App Development Using HTML5 and JavaScript (20482)

- **Formato do curso:** Presencial
- **Localidade:** Lisboa
- **Data:** 08 Jul. 2019 a 12 Jul. 2019
- **Preço:** 1670€
- **Horário:** Laboral - das 09h30 às 17h30
- **Nível:** Avançado
- **Duração:** 35 horas

In this course the students will learn the more advanced programming skills and techniques that they can use to optimize their Windows Store app and differentiate their app from other apps in the Windows Store. These advanced skills and techniques include a combination of both design and development skills. The students will also learn about supporting the apps that they have published to the Windows Store. 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 using tracing and profiling tools and APIs.

## Destinatários

This course is intended for professional developers who have 1 or more years of experience creating applications for a production environment.

---

## Pré-requisitos

Before attending this course, students must have:

- 6 - 12 months experience programming in HTML5.
  - 3 - 6 months experience using Visual Studio 2012 (including experience using preview builds).
  - 1 month of experience working on Windows 8 apps.
- 

## Programa

**Windows Store App Essentials**This module describes the essential Windows Store app features.

- LessonsReview of Windows Store App Essentials – PresentationReview of Windows Store App Essentials and the Windows 8 Ecosystem

**Implementing Animations and Transitions**This module explains how to add animations and transitions to improve the user experience by using JavaScript APIs and CSS.

- LessonsUsing AnimationWorking with Transitions and Transformations
- Lab : Implementing Animations and TransitionsCreating Animations in a Windows Store AppCreating Transitions and Transformations in a Windows Store App

**Implementing Globalization and Localization**This module explains how to localize the Windows Store application User Interface.

- LessonsWorking with Resource FilesImplementing Culture-Specific Formatting
- Lab : Implementing Globalization and LocalizationCreate and Consume Resource FilesApply Culture-Specific Formatting

**Branding and a Seamless User Interface**This module explains how to brand Windows Store app and improve the loading experience with a splash screen.

- LessonsCustomizing the Splash ScreenBranding the User Interface
- Lab : Branding and Seamless User InterfaceCreate a Customized Splash ScreenBranding a Windows Store App

**Advanced Data Scenarios in a Windows Store App**This module explains how to use various storage mechanisms, choose a suitable caching strategy for a Windows Store app, and use advanced file access methods.

- LessonsWindows Store App Storage OptionsImplementing Data CachingAdvanced File Functionality
- Lab : Caching DataCache Data

**Creating Reusable Controls and Components**This module explains how to create custom controls, extend templated controls, and create and consume WinMD components.

- LessonsCreating Custom ControlsExtending Existing ControlsConsuming WinMD Components
- Lab : Creating Reusable Controls and ComponentsCreate and Use a Custom ControlConsume a WinMD Component

**Implementing Advanced Contract Scenarios**This module explains how to implement the Print and Settings contracts and the Play To API.

- LessonsThe Print ContractThe Play To Contract
- Lab : PrintingPrint a single pagePrint multiple pages

**The Windows Push Notification Service (WNS)**This module explains how to work with the Push Notification Service (WNS).

- LessonsThe Push Notification Service (WNS)Communicating with the Push Notification Service (WNS)
- Lab : The Windows Push Notification Service (WNS)Manage a Windows Notification Service (WNS) Channel

**Capturing Media**This module explains how to capture media with the camera and microphone.

- LessonsUsing CameraCaptureUI to Capture Pictures, Videos or AudioUsing MediaCapture to Capture Pictures, Video, or Audio
- Lab : Capturing MediaCapture video using the CameraCaptureUI APICapture image using the MediaCapture API

**Background Tasks**This module explains how to create and consume background tasks.

- LessonsCreating Background TasksConsuming Background Tasks in a Windows Store App
- Lab : Background TasksCreate and Consume a Background TaskConsume a Background Task

**Working with Sensors and Devices**This module explains how to discover device capabilities, interact with devices, and act upon sensor data.

- LessonsWorking with SensorsWorking with Devices
- Lab : Working with Sensors and DevicesUse the orientation sensorUse location services

**Generating Revenue with your App**This module explains how implement trial licensing and in-app purchasing and advertising.

- LessonsImplementing Trial Functionality in a Windows Store AppImplement In-App PurchasesAdvertising in a Windows Store App
- Lab : Generating Revenue with your AppUse Windows.Store Classes to Support Trial App ConversionImplement In-App Purchasing in an App

**Securing Windows Store App Data**This module explains how to manage Windows authentication and web authentication in Windows Store apps.

- LessonsManaging Windows AuthenticationManaging Web AuthenticationEncryption in Windows Store Apps
- Lab : Securing Windows Store App DataEncrypt User InformationUse ACS Authentication

**Tracing and Profiling Windows Store Apps**This module explains how to diagnose problems and monitor

Windows Store app behavior by using tracing and profiling tools and APIs.

- LessonsTracing a Windows Store AppProfiling a Windows Store App