

# Kurs-Dokumentation



**Zentrum für Informatik ZFI AG**

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

<http://www.zfi.ch/NAAP>

Weitere Infos finden Sie unter [www.zfi.ch](http://www.zfi.ch) oder via Adresse:

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<b>Titel</b>	<b>Advanced Windows Store App Development Using HTML5 and JavaScript</b>
<b>Untertitel</b>	
<b>Einleitung</b>	<b>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.</b>
<b>Ihr Nutzen</b>	<b>After completing this course, students will be able to:</b> <ul style="list-style-type: none"><li><b>- Add animations and transitions in a Windows Store app to improve the user experience.</b></li> <li><b>- Localize the Windows Store app UI.</b></li> <li><b>- Brand the Windows Store app and improve the loading experience with a splash screen.</b></li> <li><b>- Use various storage mechanisms, choose a suitable caching strategy for their Windows Store app, and use advanced file access methods.</b></li> <li><b>- Create custom controls, extend templated controls, and create and consume WinMD components.</b></li> <li><b>- Implement the Print and Settings contracts and the Play To API.</b></li> <li><b>- Work with the Push Notification Service (WNS).</b></li> <li><b>- Capture media with the camera and microphone.</b></li> <li><b>- Create and consume background tasks.</b></li> <li><b>- Discover device capabilities, interact with devices, and act upon sensor</b></li></ul>

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.

**Voraussetzungen**

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.

**Teilnehmerkreis**

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

**Unterlagen**

**Folgekurse**

**Inhalt**

-  
**Module 1: Windows Store App Essentials**  
 Review of Windows Store App Essentials - Presentation

Review of Windows Store App Essentials and the Windows 8 Ecosystem

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**Module 2: Implementing Animations and Transitions**  
 Using Animation

**Working with Transitions and Transformations**

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**Module 3: Implementing Globalization and Localization**  
**Working with Resource Files**

**Implementing Culture-Specific Formatting**

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**Module 4: Branding and a Seamless User Interface**  
**Customizing the Splash Screen**

**Branding the User Interface**

-  
**Module 5: Advanced Data Scenarios in a Windows Store App**  
**Windows Store App Storage Options**

**Implementing Data Caching**

**Advanced File Functionality**

-  
**Module 6: Creating Reusable Controls and Components**  
**Creating Custom Controls**

**Extending Existing Controls**

**Consuming WinMD Components**

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**Module 7: Implementing Advanced Contract Scenarios**  
**The Print Contract**

**The Play To Contract**

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**Module 8: The Windows Push Notification Service (WNS)**  
**The Push Notification Service (WNS)**

**Communicating with the Push Notification Service (WNS)**

-  
**Module 9: Capturing Media**  
**Using CameraCaptureUI to Capture Pictures, Videos or Audio**

**Using MediaCapture to Capture Pictures, Video, or Audio**

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**Module 10: Background Tasks**  
**Creating Background Tasks**

**Consuming Background Tasks in a Windows Store App**

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**Module 11: Working with Sensors and Devices**  
**Working with Sensors**

## Working with Devices

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### Module 12: Generating Revenue with your App Implementing Trial Functionality in a Windows Store App

#### Implement In-App Purchases

#### Advertising in a Windows Store App

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### Module 13: Securing Windows Store App Data Managing Windows Authentication

#### Managing Web Authentication

#### Encryption in Windows Store Apps

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### Module 14: Tracing and Profiling Windows Store Apps Tracing a Windows Store App

#### Profiling a Windows Store App

#### Beitrag

Der Teilnehmerbeitrag versteht sich rein netto. Das ZFI ist (gemäss MwSt-Gesetz) nicht Mehrwertsteuerpflichtig und erhebt somit keine MwSt. Bei länger als einen Monat dauernden Lehrgängen ist die Zahlung des Teilnehmerbeitrages in mehreren Raten möglich (pro rata temporis).