

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 oder via Adresse:

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Titel	Advanced Windows Store App Development Using HTML5 and JavaScript
Untertitel	
Einleitung	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.
Ihr Nutzen	After completing this course, students will be able to: <ul style="list-style-type: none">- 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

	<p>data.</p> <ul style="list-style-type: none">- 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	<p>Before attending this course, students must have:</p> <ul style="list-style-type: none">- 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	<p>This course is intended for professional developers who have 1 or more years of experience creating applications for a production environment.</p>
Unterlagen	
Folgekurse	
Inhalt	<ul style="list-style-type: none">- Module 1: Windows Store App Essentials Review of Windows Store App Essentials - Presentation Review of Windows Store App Essentials and the Windows 8 Ecosystem - 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

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

Implementing Data Caching

Advanced File Functionality

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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)

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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).