

Kurs-Dokumentation



Zentrum für Informatik ZFI AG

Essentials of Developing Windows Store Apps

Using HTML5 and JavaScript (NWSA)

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

Weitere Infos finden Sie unter www.zfi.ch oder via Adresse:

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Titel	Essentials of Developing Windows Store Apps Using HTML5 and JavaScript
Untertitel	
Einleitung	In this course students will learn essential programming skills and techniques that are required to develop Windows Store apps. This includes a combination of both design and development skills, as well as ensuring that students are comfortable using and making the most of the Visual Studio and Expression Blend tools.
Ihr Nutzen	After completing this course, students will be able to: <ul style="list-style-type: none">- Describe the Windows 8 platform and features, and explore the basics of a Windows app interface. - Create the User Interface layout and structure. - Apply the MVVM pattern to application design. - Implement the AppBar and layout controls. - Use templates to create the UI. - Use data binding to present data in the UI. - Handle files and streams. - Design and implement Process Lifetime Management (PLM). - Handle navigation scenarios in a Windows Store app. - Implement Semantic Zoom. - Design and implement contracts such as Search, Share and Settings.

	<ul style="list-style-type: none"> - Implement tiles and toast notifications in a Windows Store app. - Respond to mouse, keyboard and touch events, including gestures. - Deploy a Windows Store app to the Windows Store or an enterprise store.
Voraussetzungen	<p>Before attending this course, students must have:</p> <ul style="list-style-type: none"> - 1 or more years of experience creating applications. - 1 ? 3 months experience creating Windows client applications. - 1 ? 3 months experience using Visual Studio 2010 or 2012. - Material taught in 20480A: Programming in HTML5 with JavaScript and CSS3, or equivalent.
Teilnehmerkreis	<p>This course is intended for professional developers who have 1 or more years of experience in creating applications.</p>
Unterlagen	
Folgekurse	
Inhalt	<ul style="list-style-type: none"> - Module 1: Overview of the Windows 8 Platform and Windows Store Apps Windows 8 User Interface Principles WinRT and Language Projections - Module 2: Single-Page Applications and the MVVM Design Pattern Single-Page Applications The MVVM Design Pattern

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Module 3: Using WinJS
The WinJS Library

WinJS APIs

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Module 4: Implementing Layout using Windows 8 Built-In Controls
Windows 8 Layout Controls

Implementing WinJS Controls and Templates

The AppBar Control

Snap and Fill

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Module 5: Presenting Data
Working with Data Presentation Controls

The ListView Control

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Module 6: Handling Files in Windows Store Apps
Handling Files and Streams in Windows Store apps

Working with File User Interface Components

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Module 7: Windows Store App Process Lifetime Management
Process Lifetime Management

Launching Windows Store Apps

Implementing State Management Strategy

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Module 8: Designing and Implementing Navigation in a Windows Store App
Handling Navigation in Windows Store apps

Semantic Zoom

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Module 9: Implementing Windows 8 Contracts
Designing for Charms and Contracts

The Search Contract

The Share Contract

Managing App Settings and Preferences

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Module 10: Implementing Tiles and User Notifications
Implementing Tiles, Live Tiles, Secondary Tiles, and Badge Notifications

Implementing Toast Notifications

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Module 11: Designing and Implementing a Data Access Strategy Evaluating Data Access Strategies

Working with Remote Data

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Module 12: Responding to Mouse and Touch Working with Mouse Events

Working with Gesture Events

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Module 13: Planning for Windows Store App Deployment The Windows Store App Manifest

Windows Store App Certification

Windows 8 Enterprise App Deployment

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).