

## Kurs-Dokumentation



## Zentrum für Informatik ZFI AG

# Essentials of Developing Windows Store Apps Using C# (NW)

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

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

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<b>Titel</b>	<b>Essentials of Developing Windows Store Apps Using C#</b>
<b>Untertitel</b>	
<b>Einleitung</b>	<b>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.</b>
<b>Ihr Nutzen</b>	<b>After completing this course, students will be able to:</b> <ul style="list-style-type: none"><li><b>- Describe review the Windows 8 platform and features, and explore the basics of a Windows app interface.</b></li> <li><b>- Create the User Interface layout and structure by using XAML.</b></li> <li><b>- Use data binding to present data in the UI.</b></li> <li><b>- Implement the AppBar and layout controls.</b></li> <li><b>- Handle files and streams.</b></li> <li><b>- Respond to application lifecycle events using Process Lifetime Management and the PLM extensibility points provided by the Visual Studio 2012 templates.</b></li> <li><b>- Use templates to create the UI.</b></li> <li><b>- Handle navigation scenarios in a Windows Store app.</b></li> <li><b>- Design and implement contracts such as Search, Share and Settings.</b></li> <li><b>- Implement tiles and toast notifications in a Windows Store app.</b></li></ul>

	<ul style="list-style-type: none"><li>- Respond to mouse, keyboard and touch events, including gestures.</li></ul>
	<ul style="list-style-type: none"><li>- Deploy a Windows Store app to the Windows Store or an enterprise store.</li></ul>
Voraussetzungen	<p>Before attending this course, students must have:</p> <ul style="list-style-type: none"><li>- 1 or more years of experience creating applications.</li><li>- 1 ? 3 months experience creating Windows client applications.</li><li>- 1 ? 3 months experience using Visual Studio 2010 or 2012.</li></ul>
Teilnehmerkreis	<p>This course is intended for professional developers who have 1-2 years of experience creating client applications and who are comfortable programming in C# and have done some XAML-based programming.</p>
Unterlagen	
Folgekurse	
Inhalt	<ul style="list-style-type: none"><li>- <b>Module 1: Overview of the Windows 8 Platform and Windows Store Apps</b> Introduction to the Windows 8 Platform  Windows 8 User Interface Principles  WinRT and Language Projections  - <b>Module 2: Creating User Interfaces using XAML</b> XAML Basics  XAML Code-Behind  Advanced XAML</li></ul>

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**Module 3: Presenting Data**  
**Working with Data Presentation Controls**

**The GridView Control**

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

**AppBar Control**

**Snapped and Fill**

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**Module 5: 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 6: Windows Store App Process Lifetime Management**  
**Process Lifetime Management**

**Launching Windows Store Apps**

**Implementing a State Management Strategy**

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## **Module 7: Working with Resources, Styles, and Templates**

### **Creating Shared Resources**

### **Creating Styles and Templates**

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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****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).**