
Developing Microsoft .NET Applications for Windows (Visual C# .NET)

Varighed: 5 Days Kursus Kode: M2555

Beskrivelse:

This five-day instructor-led course provides delegates with the skills required to build Microsoft® Windows® Forms applications by using the Microsoft .NET Framework. This course is a part of the Microsoft Visual C#™ .NET curriculum and is intended to provide C# programmers with the skills required to create Windows Forms applications by using the .NET Framework. The course will cover the major topics for Windows client application programming on the .NET Framework. These topics include: Windows Forms, GDI+, simple data access, interoperating with unmanaged code, threading and asynchronous programming issues, simple remoting, Web access, Web Services consumption, debugging, security, and deployment issues for desktop applications.

Målgruppe:

This course is intended for the intermediate programmer who is responsible for designing and building Windows-based applications with the .NET Framework. It is designed for developers who have C# development skills.

Agenda:

- Create, populate & organise controls on Windows Forms.
 - Create menus in a Windows Forms application.
 - Add code to form and control event procedures in a Windows Forms application.
 - Create Multiple Document Interface (MDI) applications.
 - Use dialog boxes & validate user input in Windows Forms applications
 - Create and use user controls in a Windows Forms application.
 - Create licenses for controls.
 - Bind Windows Forms applications to data sources by using Microsoft ADO.NET.
 - Consume XML Web services from Windows Forms applications.
 - Use .NET and COM components in a Windows Forms application.
 - Call Microsoft Win32® APIs from a Windows Forms application.
 - Print documents in a Windows Forms application.
 - Make asynchronous calls to methods from a Windows Forms application.
 - Debug a Windows Forms application.
 - Incorporate accessibility features in a Windows Forms application.
 - Localize a Windows Forms application.
 - Add support for Help to localize a Windows Forms application.
 - Create Help files & deploy a Windows Forms application.
 - Implement code access and role-based security in a Windows Forms application.
 - Add deployment flexibility to applications by using shared assemblies.
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Forudsætninger:

Delegates are required to meet the following prerequisites:

- Experience with a .NET language such as Visual C# .NET or Microsoft Visual C++® .NET,
- Experience developing basic applications with MFC and/or Microsoft Visual Basic® 6.0.
- M2124—Introduction to C# Programming for the Microsoft .NET Platform or Equivalent knowledge

Test og certificering

Recommended as preparation for exam(s):

- 70-316 Developing and Implementing Windows-based Applications with Microsoft Visual C# .NET and Microsoft Visual Studio .NET
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Yderligere Kurser:

The following courses are recommended for further study:

- M2124 - Intro to C# Programming for .NET
- M2389 - Programming with ADO.NET

Indhold:

Introducing Windows Forms

- Creating ; adding Controls to a Form
- Creating an Inherited Form
- Organizing Controls on a Form
- Creating MDI Applications

Working With Controls

- Creating an Event Handler for a Control
- Using Windows Forms Controls
- Using Dialog Boxes in a Windows Forms Application
- Adding Controls at Run Time
- Creating Menus
- Validating User Input

Building Controls

- Extending and Creating Controls
- Adding Design-Time Support for ControlsLicensing a Control

Using Data in Windows Forms Applications

- Adding ADO.NET Objects to and Configuring ADO.NET Objects in a Windows Forms Application
- Accessing and Modifying Data by Using DataSets
- Binding Data to Controls
- Creating a Simple XML Web Services Client
- Persisting Data

Interoperating with Managed Objects

- Using .NET and COM Components in a Windows Forms Application
- Calling Win32 APIs from Windows Forms Applications

Printing ; Reporting in Windows Forms Applications

- Printing From a Windows Forms Application
- Using the Print Preview, Page Setup, and Print Dialogs
- Constructing Print Document Content by Using GDI+
- Creating Reports by Using Crystal Reports

Asynchronous Programming

- The .NET Asynchronous Programming Model
- The Asynchronous Programming Model Design Pattern
- How to Make Asynchronous Calls to Any Method
- Helping Protect State and Data in a Multithreaded Environment

Enhancing the Usability of Applications

- Adding Accessibility Features
- Adding Help to an Application
- Localizing an Application

Deploying ; Securing Windows Forms Applications

- NET Assemblies
- Deploying Windows Forms Applications
- Security in the .NET Framework
- Using Code Access Security
- Using Role-Based Security

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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