

Core Windows Forms Technologies with Microsoft Visual Studio 2005

Course Summary

Description

This course provides students with the knowledge and skills to develop Microsoft Windows Forms applications using Microsoft Visual Studio 2005. The workshop focuses on user interfaces, program structure and implementation details.

Objectives

By the end of this course, students will be able to:

- Create a simple Windows Forms application
- Configure standard controls
- Build menus
- Display and edit data by using data-bound controls
- Provide user assistance and enhance usability
- Create consistent applications by using dialogs and forms inheritance
- Add print and report functionality to a Windows Forms application
- Perform asynchronous tasks by using the BackgroundWorker component
- Deploy a Windows Forms application by using ClickOnce

Topics

- Creating a Simple Windows Forms Application
- Configuring Standard Controls
- Building Menus
- Displaying and Editing Data by Using Data-Bound Controls
- Providing User Assistance and Enhancing Usability
- Creating Consistent Applications by Using Dialog Boxes and Forms Inheritance
- Printing Content and Creating Reports
- Performing Asynchronous Tasks by Using the BackgroundWorker Component
- Deploying Applications by Using ClickOnce

Audience

This course is intended for corporate or independent Software Vendor (ISV) Application Developers who have a desire to learn more about specific technology areas in Windows application development.

Prerequisites

Before attending this course, students should be able to manage a solution environment using the Visual Studio 2005 integrated development environment (IDE) and tools, understand Microsoft .NET Framework 2.0 and the Common Language Runtime, be able to program an application using a .NET Framework 2.0 compliant language, know how to make assemblies available to other



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applications and have a basic understanding of XML, including XML declaration, elements, attributes, and namespaces.

Duration

Three days

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Course Outline

- I. Creating a Simple Windows Forms Application**
 - A. Components of a Windows Forms User Interface
 - B. Event Handling in a Windows Forms Application
- II. Configuring Standard Controls**
 - A. Windows Forms Controls by Function
- III. Building Menus**
 - A. Menus in Windows Forms
- IV. Displaying and Editing Data by Using Data-Bound Controls**
 - A. Binding Data to a Control
 - B. DataGridView Control
- V. Providing User Assistance and Enhancing Usability**
 - A. Providing User Assistance
 - B. Implementing Accessibility Features
 - C. Implementing Globalization and Localization
- VI. Creating Consistent Applications by Using Dialog Boxes and Forms Inheritance**
 - A. Dialog Boxes in a Windows Forms Application
 - B. Windows Forms Inheritance
- VII. Printing Content and Creating Reports**
 - A. Printing in a Windows Forms Application
 - B. Reporting in a Windows Forms Application
- VIII. Performing Asynchronous Tasks by Using the BackgroundWorker Component**
 - A. Asynchronous Tasks in Windows Forms Applications
- IX. Deploying Applications by Using ClickOnce**
 - A. Windows Forms Application Deployment Options
 - B. ClickOnce Technology Overview