



## Aspect Training

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YOUR COURSE, YOUR WAY - MORE EFFECTIVE IT TRAINING

# Developing Windows Forms Applications with .NET

**Duration: 5 days**

## Overview:

Aspect Training's Developing Windows Forms Applications with .NET 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 already have some VB.NET development skills.

## Prerequisites:

Experience with a .NET language such as VB or C#

or

Experience developing basic applications with MFC and/or Microsoft Visual Basic 6.0

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## Topics:

### 1 - Introducing Windows Forms

Creating a Form

Adding Controls to a Form

Creating an Inherited Form

Organizing Controls on a Form

Creating MDI Applications

### 2 - 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

### 3 - Building Controls

Extending and Creating Controls

Adding Design-Time Support for Controls

Licensing a Control

#### **4 - 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

Overview of XML Web Services

Creating a Simple XML Web Services Client

Persisting Data

Windows Form Applications and the Data Entity Model

An Introduction to LINQ

#### **5 - Interoperating with Managed Objects**

Using .NET and COM Components in a Windows Forms Application

Calling Win32 APIs from Windows Forms Applications

#### **6 - Printing and 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

#### **7 - 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

#### **8 - Enhancing the Usability of Applications**

Adding Accessibility Features

Adding Help to an Application

Localizing an Application

#### **9 - Deploying Windows Forms Applications**

.NET Assemblies

Deploying Windows Forms Applications

#### **10 - Securing Windows Forms Applications**

Security in the .NET Framework

Using Code Access Security

Using Role-Based Security

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