SETC Training Corporate Logo

.NET Training: Creating Windows Applications (NFWIN, 4 jours)

Description

The course Creating Windows Applications (.NET Training) is a detailed exploration of .NET Windows forms. The training includes Visual Studio .NET, architecture considerations for Windows Forms & the use of Windows .NET controls. Concepts such as data validation & user navigation, globalization, ADO .NET database access, multi-threaded programming and messaging are discussed in the course. This course is all about developing Windows Forms based applications with Visual Studio .NET

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

The .NET Framework

- .NET Framework Versions and Capabilities
- The Anatomy of a .NET Application: From Data to GUI
- Exploring Assemblies and Namespaces
- Why Object Oriented Programming is Critical to your Efforts!
- The Visual Studio .NET Environment
- The .NET Answer
- Debugging

Preparatory Topics

- Creating Classes
- Inheritance and Polymorphism
- Exception Handling
- Working with Generics
- About Serialization
- File IO
- Multithreaded Programming

Creating Windows Applications

- Common Dialog Boxes
- Form Designer
- Form Basics
- Creating Forms
- Basic Controls
- Menus
- Toolbars and StatusBar
- Creating an MDI Application
- Creating Windows Controls

Advanced Windows Programming

- Making use of Resource Files
- About using Multiple Threads
- Advanced Windows Controls
- Creating Code Only Controls
- Creating Images and Graphs

A Note on Game Programming

Database Programming

ADO .NET Overview
Connections
Connected Data: SQL Statements
Connected Data: Stored Procedures
Using Transactions
Using the DataSet Class
Performance Implications

Windows Data Driven Development

Data Binding Overview
Making Objects Bindable
Using Standard Data Bound Controls
Using Advanced Data Bound Controls
Using a Data Binding Context

MEL for Windows

MEL Application Block Overview
Using the Configuration Application Block
Using Data Access Block
Using the Exception Handling Block
Using the Logging Block
Using Validation Block

NHibernate Basics

Overview
The Problem with Hand-Coded Sql
About ORM with NHibernate
NHibernate Namespaces
NHibernate Interfaces
The ISessionFactory
The Session Instances
Identity
NHibernate Application Configuration

Object Mapping

Overview
The Domain Model
Mapping Basics
Mapping Objects
Dealing with Identity
Mapping Types
Mapping: Value Types and Entity Types
Mapping Class Hierarchies
Mapping Associations
Mapping Collections
Mapping and Polymorphism

Deployment

About Application Configuration
Public versus Private DLLs
Exploring Deployment
About ClickOnce Deployment

An MVC Framework for Windows : Demo Only