

.NET Training: WPF with MVVM for Exnterprise Development (WPFVM, 4 jours)

Description

The course WPF with MVVM for Enterprise Development (.NET Training) explores building .NET applications with WPF & the MVVM design pattern. The training includes a general introduction to MVVM followed by a detailed exploration of Models, Views & View Models in the context of an tiered enterprise application. The course covers a comparison of MVVM with MVC, WPF basics, custom controls, event handling & routing, data validation, database connectivity, globalization & more.

Tarifs

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

Plan de cours

Creating Windows Applications

WPF versus Traditional Windows Applications

WPF Architecture

The Components of a WPF Form

Creating a WPF Project

Your First WPF Form

Exploring XAML

Well Formed and Valid: The XAML Schema

Understanding Schemas and Namespaces

XAML Essential Concepts

Importing Other Namespaces

About XAML and WPF

About Events and Properties

A Complete WPF Form

MVVM Overview

The MVVM Design Pattern

Advantages and Disadvantages of MVVM

About the Model

About the ViewModel Classes

About the View

About the Expression Blend DataBound Project Template

WPF Controls

The Control Class Hierarchy

Basic Controls

About Dependency Properties and Events

Working with Routed Events

Using and Executing Commands

The ItemsControl Class

Working with ListView and TreeView

Adding Menus, Toolbars and Status Bars

WPF Concepts

Navigation

Data Binding

Validation

Custom Controls

Searching and Filtering

MVVM Data and View Models

Implementing a Custom Data Model

Creating Custom View Model Classes

About the INotifyPropertyChanged Interface

Linking Views and View Models

Using XAML to connect a View to a ViewModel

Using ViewModelLocators

Data Binding for MVVM Data Flows

About the use of Data Templates

Explicit and Implicit Data Templates

Communication between the layers

About WPF and Data Binding

About Command Objects

Binding the View to the View Model

Binding to Object Collections

Binding using Custolectm Command Objects

Using Data Views and Data Providers

Attached Properties and Behaviors

Resources and Styles

About Globalization

Using Assembly Resources

Using Object Resources

The Need for Styles

About Style Triggers

Prism Library

Prism and MVVM

Setting up Prism

Implementing the Model

Developing the ViewModel Classes

Creating Actions

Working with Controls