

Programming Work Flow Application using Windows Workflow Foundation

Course Description

In this Course you learn how to programming Windows Workflow Foundation. For the most part, if you have an interest in this technology, from a low-level developer perspective to a higher-level architectural perspective.

Course Level

Intermediate

Who should attend?

Programmers who want to Programming Workflow using Windows Workflow Foundation .NET Application

Pre-requisites

Basic understanding Basic concept of Programming .NET Application

Course Objectives

- Introduction Windows Workflow Foundation
- Hello, Workflow!
- Breaking it Down
- Workflow Development and Visual Studio
- Workflow Hosting, Execution, and Communication
- Activities
- Runtime Services
- Rules
- State-Machine Workflows
- Dynamic Update and Designer Re-Hosting
- Exceptions, Faults, and Debugging
- Windows Workflow Foundation and ASP.NET
- Windows Workflow Foundation and Connected Systems

Course Durations

30 Hours

Course Outline

- 1. Introduction to Workflow and Windows Workflow Foundation**
 - What is Workflow ?
 - Overview Windows Workflow Foundation
- 2. Building Simple Workflow Application**
 - How to programming Workflow ?
 - Simple Workflow Application
- 3. Workflow Foundation Features and Components**
 - Platform Overview
 - Windows Workflow Foundation Components
 - Windows Workflow Foundation Features
 - Namespaces
- 4. Workflow Development and Visual Studio**
 - Workflow Development Styles
 - Workflow Serialization
 - Workflow Compilation
- 5. Workflow Hosting, Execution, and Communication**
 - Workflow Hosting
 - Workflow Communication
- 6. Activities**
 - Workflow Activity
 - Activity Model
 - Activity Context
 - Developing an Interactive Activity
 - Event Activity
- 7. Runtime Services**
 - Developing Runtime Services
- 8. Rules**
 - Business Rule and Workflow Foundation
 - Related Activity
 - Evaluation Rules
 - Using Workflow Rules
- 9. State-Machine Workflows**
 - State-Machine Activity
 - State-Machine Designer
- 10. Dynamic Update and Designer Re-Hosting**
 - Dynamic Update
 - Designer Re-Hosting
- 11. Exceptions, Faults and Debugging**
 - Exceptions
 - Workflow Faults
 - Debuggin Workflows
- 12. Windows Workflow Foundation and ASP.NET**
 - Application Scenarios with ASP.NET
 - Managing the Workflow Runtime
 - Workflow as a Page Flow Engine
- 13. Windows Workflow Foundation and Connected Systems**
 - Workflow and Web Services

Workflow and Windows Communication Foundation
14. Windows Workflow Foundation and Microsoft Office System
Microsoft Office System
Workflow Development in Office

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