Guerrilla.NET

Duration: 5 Days   Course Code: GK0771   Delivery Method: Virtual and Classroom

Overview:

Guerrilla .NET provides a deep exploration of .NET design philosophy and practical advice. You will learn a myriad of patterns and best practices, and obtain hands-on experience developing applications using Visual Studio 2015 and Windows 10. Learn to write code using new .NET class libraries like Entity Framework 5/6, MVC 5, and The Reactive Framework.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

For developers who:Plan to develop for .NET 4.0 and aboveNeed their applications to be highly available and robust Want to learn best practices and design patterns for .NET applications Want to learn cutting-edge, emerging techniques and technologies Have some experience with C# and .NET development (prerequisite)

Objectives:

- How ASP.NET MVC is different from building WebForms-based web application

- Build modern web applications and services using JavaScript, jQuery, AJAX, REST, and ASP.NET MVC

- Use powerful OO design patterns and techniques to build loosely-coupled, testable, and maintainable applications including Dependency Injection (DI), Inversion of Control (IoC), and unit testing

- Learn advanced WPF / Windows Phone / Windows Store design patterns and techniques including MVVM (Model-View-ViewModel)

- Explore the rapidly evolving world of cloud-computing from a .NET developer's perspective. Learn about IaaS, PaaS, and design patterns for scalable cloud-based applications

- Learn how Entity Framework has shifted towards a code-first programming model to empower developers to build, and test, great data-access layers

Prerequisites:

- Attendees require some experience with C# and .NET development

Content:

Day 1

- Deep Dive Language Mechanics
- Entity Framework 6 Introduction
- WPF Basics
- Unit Testing

Day 2

- Entity Framework 6 and the Repository Pattern
- WPF, DataBinding and MVVM
- Test Doubles and Mocking
- Building REST-based Services

Day 3

- Task - a Unified Threading API
- Thread Safety
- Simplifying Thread Safe Code
- C#5 Async/Await

Day 4

- Inside the Garbage Collector
- Power Debugging with WinDBG
- Introducing the Reactive Framework (Rx)
- Building Asynchronous Web Applications With SignalR

Day 5

- Parallel Frameworks for Scalable Compute
- C# 6
- DNX (the artist formally known as ASP.NET vNext)

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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