



*Training Course:
Developing ASP .NET Core MVC Web
Applications*

*9 - 13 December 2024
Geneva (Switzerland)*

Training Course: Developing ASP .NET Core MVC Web Applications

Training Course code: IT235177 From: 9 - 13 December 2024 Venue: Geneva (Switzerland) - Training Course Fees: 5775
€ Euro

Introduction

Welcome to the 5-Day ASP.NET Core MVC Web Application Development Training Program. In this intensive course, participants will gain a comprehensive understanding of ASP.NET Core MVC and learn to build robust web applications using this modern and powerful framework. Whether you're new to web development or looking to upgrade your skills, this program will equip you with the knowledge and tools to create dynamic, data-driven web applications.

Objectives

Upon completion of this training program, participants will:

- Master ASP.NET Core MVC: Understand the fundamentals of ASP.NET Core MVC architecture and how it differs from traditional ASP.NET MVC.
- Create Interactive Web Applications: Learn to build interactive web applications with user-friendly interfaces using Razor views, layouts, and view models.
- Efficient Routing and Controllers: Explore routing mechanisms and develop controllers to handle user requests and actions.
- Data Management: Learn to manage data efficiently using Entity Framework Core for database operations, migrations, and queries.
- Security and Authentication: Implement authentication and authorization mechanisms to secure your applications.
- Dependency Injection and Testing: Understand the benefits of dependency injection in ASP.NET Core and write unit tests for your controllers.
- Deployment and Performance Optimization: Deploy your applications to web servers and optimize performance for better user experiences.

Target Audience

This training program is designed for:

- Developers: Junior and mid-level developers who want to expand their skill set and become proficient in ASP.NET Core MVC web application development.
- Web Developers: Web developers interested in transitioning to ASP.NET Core MVC or enhancing their existing ASP.NET skills.
- IT Professionals: IT professionals who need to develop web applications for internal use or client projects.
- Technical Enthusiasts: Individuals passionate about web development and eager to learn ASP.NET Core MVC.
- Tech Managers and Decision Makers: Managers and decision-makers who want to gain insight into

ASP.NET Core MVC for project planning and oversight.

Training Program Outline

Day 1: Introduction to ASP.NET Core MVC

- Welcome and Introduction
- Overview of ASP.NET Core MVC
- Setting Up the Development Environment
- Creating Your First ASP.NET Core MVC Application

Day 2: Working with Views and Layouts

- Views and Razor Syntax
- Layouts and Partial Views
- View Models and Data Binding

Day 3: Working with Controllers and Routing

- Controller Actions and Parameters
- Routing
- Filters and Middleware

Day 4: Data Access with Entity Framework Core

- Introduction to Entity Framework Core
- Creating Models and Database Context
- CRUD Operations with Entity Framework Core
- Migrations and Database Schemas

Day 5: Advanced Topics and Deployment

- Authentication and Authorization
- Dependency Injection and Testing
- Deployment and Hosting
- Performance Optimization

Registration form on the Training Course: Developing ASP .NET Core MVC Web Applications

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