

Programming ASP .NET MVC

Level: intermediate / advanced

Length: 35 - 40 hours

Course Objective: basics of programming with Microsoft ASP .NET MVC.

What You Will Learn

- ASP .NET MVC architecture: how the application servers are organised, their main components, their role, how they interact
- How to construct web applications, options

Who Can Attend: programmers who want to build web applications by using ASP .NET MVC

Prerequisites

- Knowledge of the C# programming language at least at medium level
- Basics of .NET
- Knowledge of HTTP protocol, HTML, CSS, Javascript
- Basics of IIS web server
- Basics of working with databases, MS SQL Server
- It helps knowledge of ASP .NET Web Forms

Required Infrastructure: VGA projector, whiteboard, personal computer with Microsoft Visual Studio or Microsoft C# Express Edition (free)

Related courses: The C# Programming Language, Web Technologies - HTML, CSS, JavaScript & JQuery

Description

Programmers will learn this framework – its components, how they are organised, how they integrates with other technologies used in web applications, on both server side (ASP, .NET, IIS), and on client side (HTML, JavaScript, jQuery).



Contents

1. Installing MVC
2. Introduction to the technological ecosystem, how MVC integrates with other technologies
3. Controllers
4. Views
5. Models
6. Forms and HTML helpers
7. Data validation
8. Security
9. Ajax
10. Routing
11. NuGet
12. ASP .NET Web API