

From Zero to MVC

Description

Web applications and web developers are in high demand at most companies today. Microsoft's ASP.NET MVC paradigm is an excellent approach to developing web applications. In this course you learn ASP.NET and MVC from the ground up. Even if you have had no prior experience with the MVC paradigm you will learn all you need to create web applications in no time.

Watching this course, I'm going to provide you with a solid understanding of the components of ASP.NET. You learn by doing by building controllers, routes, and web pages. Working with .NET 6, you see the latest techniques for creating web pages including tag helpers, dependency injection, partial pages and more. A best practice in software development is to break up your project into several projects. Doing so, allows you to have the ultimate in reusability, testability and maintainability of your source code. This N-Tier philosophy is used throughout this course. You learn to interact with forms to accept user input, post that data back to the server and use data annotations to validate the input.

All the lectures and demos presented during this course are backed up with a set of labs for you to perform. Walking through these labs step-by-step ensures that you understand the concepts illustrated in each lesson. You are going to see over 129 demos, be asked over 79 questions, and perform over 88 hands-on labs.

You don't need to have any prior MVC experience, but you should understand the basics of computer programming and web programming. Knowing the basics of HTML and CSS will help. Join Paul D. Sheriff, one of the best instructors in the industry, on your journey to becoming a C# MVC web developer.

Audience

Any developer who is moving away from developing with the Web Forms model.
Any desktop developer who wants to learn to create web applications.
Any developer wishing to learn to develop web applications using the MVC (model-view-

controller) paradigm. If you are a development manager or a QA person who works with developers creating MVC web applications, after watching this course you will be better equipped to interact with those developers.

Course Objectives

By the end of this course, you will be able to create a set of web pages to read and write data from a database. You will have a good handle on using the MVC (model-view-controller) paradigm. You will understand how to work with the majority of ASP.NET concepts for building web applications.

- Learn the various components of ASP.NET
- Understand how MVC works
- Learn to build controllers, routes, models and views
- Learn to pass data around a web app
- Understand dependency injection
- Work with sessions and cookies
- How to log important data
- How to handle exceptions
- How to post data from forms to your models
- Best practices for organizing your MVC applications
- Implement a set of web pages to search, add, edit, and delete

Prerequisites

To get the most out of this course, I assume you are very familiar with the C# language, Visual Studio or Visual Studio Code. You should also have a basic familiarity with web programming such as HTML and CSS.

Hardware/Software Requirements

A computer must be supplied by the student with the following technologies installed.

- Visual Studio 2022 or later
- or Visual Studio Code V1.7 or later
- .NET 6.x or later
- SQL Server (Developer Edition or higher) or SQL Server Express

Keywords

C#

C Sharp

C Sharp MVC

CSharp

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C# MVC Web

ASP.NET

ASP.NET MVC

Web Development

Web Developer

MVC

Model-View-Controller

Model View Controller

Computer Programming

Development

Developer