

# .NET 6 MVC Seminars

The following is a list of .NET 6 MVC seminars that can be presented at your user group or other live event by **Paul D. Sheriff**.

## Essentials of .NET 6 MVC

This course shows you step-by-step how to build your first .NET 6 MVC application. Using the Visual Studio Code editor makes working with .NET 6 a breeze. A complete CRUD web page is built using MVC is shown throughout this seminar. At the end, you walk away with a complete CRUD page that you can use as a basis for your own pages.

### Learning Objectives

- Build your first .NET 6 MVC project
- Use VS Code to build a CRUD page
- Best practices for typical MVC applications

## Essentials of Web API in .NET 6 Using MVC

Many applications require the use of Web API methods to serve data to mobile devices. In this seminar you learn to build Web API methods using .NET 6 MVC Controllers. You learn how to retrieve data from a Web API call and how to insert, update and delete. You will learn to return appropriate status codes for success, not found, and exceptions.

### Learning Objectives

- Build your first .NET 6 Web API project

Use Controllers to build Web API's  
Best practices for Web API methods

## Essentials of Minimal Web APIs in .NET 6

Minimal APIs are a quick and easy way to get started learning how to create Web APIs for your applications. In this seminar you learn to build Web API methods using .NET 6 Minimal APIs. You learn how to retrieve data from a Web API call and how to insert, update and delete. You will learn to return appropriate status codes for success, not found, and exceptions. You also learn how to make the Minimal APIs more reusable and easier to maintain

### Learning Objectives

Build your first .NET 6 Web API project  
Use Minimal APIs to build Web API's  
Generic approach to Minimal API development  
Best practices for Web API methods

## Maintainable MVC Views using Partial Pages and MVVM

Visual Studio generates five separate pages for CRUD logic in MVC. This creates a lot of duplicate code. In this seminar you will learn to combine all these pages into one single page and a couple partial pages. You will use MVC, C#, jQuery and MVVM to build a single page for searching, listing, adding, editing, and deleting data in a database table. You will also learn how to eliminate code from your controller and make a view model that can be used across multiple UIs.

### Learning Objectives

Eliminate pages from MVC applications  
Create reusable view models for multi-UI usage

Simplify code in your MVC controllers

## Getting Familiar with Tag Helpers in .NET 6 MVC

Tag helpers can make your HTML easier to read and will make you more productive. In this seminar you learn how to use the new tag helpers in .NET 6 MVC. You will be exposed to the built-in Tag helpers such as Anchor, Form, Input, Link, Partial and more. In addition, you learn to build your own custom Tag helper.

### Learning Objectives

Learn the built-in Tag helpers

See how Tag helpers make your HTML easier to read

Build a custom Tag helper

## Integrating jQuery and Ajax in .NET 6 MVC Applications

Every MVC and Web Forms developer knows that performing a post-back is a time-consuming process. Instead of posting back just to refresh one control like a drop-down list on a page, you can use jQuery and Ajax instead. A typical example is loading one drop-down after selecting a value in another drop-down. In this seminar you learn to create a controller method in MVC that can be called from jQuery to return JSON data. You then learn various methods to process that data to render various list controls on your page.

### Learning Objectives

Create Web API controller methods in MVC

Write jQuery to make calls to Web API

Build lists of data from JSON returned from a Web API calls

# Upload and Store a File Using .NET 6 MVC

Many web applications require the user to upload files. The HTML file input allows the user to select a file from their hard drive, but how do you then upload that file? What are the best practices? How can you limit the file size? How can you style the control to match the rest of your site? All of these questions and more will be answered in this step-by-step seminar on how to use the HTML file input control effectively

## Learning Objectives

Style the HTML file input control

Bind the upload to a view model

Create a thumbnail of an uploaded image

Store the uploaded file on the server file system

Store the uploaded file into an SQL Server table