

.NET 5 MVC Seminars

The following is a list of .NET 5 MVC seminars that can be presented at your user group or other live event by **Paul D. Sheriff**.

Essentials of .NET 5 MVC

This course shows you step-by-step how to build your first .NET 5 MVC application. Using the Visual Studio Code editor makes working with .NET 5 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 5 MVC project
- Use VS Code to build a CRUD page
- Best practices for typical MVC applications

Essentials of Web API in .NET 5 MVC

Many applications require the use of Web API methods to serve data to mobile devices. In this seminar you learn to build a Web API using .NET 5 MVC. 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 5 Web API project

Use Code to build Web API methods
Best practices for Web API methods

Upload and Store a File Using .NET 5 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

Getting Familiar with Tag Helpers in .NET 5 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 5 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

Use MVVM in .NET 5 MVC Applications

The MVVM design pattern has long been used in WPF applications but has not been prevalent in MVC applications. Using a View Model class in MVC makes good sense as you will learn in this seminar. You are going to be guided step-by-step building an MVC application using the Entity Framework and a View Model class to create a full CRUD web page. Along the way you will learn how MVVM eliminates code from the controller and moves code into a more reusable and testable class.

Learning Objectives

Why use MVVM

Eliminate code from .NET 5 MVC controller

Create a reusable view model class

Integrating jQuery and Ajax in .NET 5 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