MVC Core Seminars

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

Essentials of MVC Core

This course shows you step-by-step how to build your first .NET Core MVC application. Using the Visual Studio Code editor makes working with .NET Core a breeze. A complete CRUD web page is built using MVC Razor 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 Core MVC project

Use Code to build a CRUD page

Best practices for typical MVC applications

Essentials of Web API in MVC Core

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 MVC Core. 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 Core Web API project

Use Code to build Web API methods

Best practices for Web API methods

Upload and Store a File Using MVC Core

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 MVC Core

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 MVC Core. 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 MVC Core 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 MVC Core controller

Create a reusable view model class