

MVC .NET Core Seminars

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

Essentials of MVC in .NET 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 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 VS Code to build a CRUD page
- Best practices for typical MVC applications

Essentials of Web API in .NET Core 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 Core 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 Core Web API project

Use Controllers to build Web API's

Best practices for Web API methods

Essentials of Minimal Web APIs in .NET Core

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 Core 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 Minimal 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

Enhance your MVC Applications using JavaScript and jQuery

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

Move Code to Client-Side to Speed up the UI

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