## ASP.NET MVC 6 Training Course

### Introduction to ASP.NET Core 2.0

* ASP.NET Core essentials
* Creating a minimal .NET Core console app
* Creating a minimal ASP.NET Core web app
* A closer look at ASP.NET Core middleware

### Getting started with MVC

* Introduction to ASP.NET Core MVC
* Understanding controllers
* Understanding views
* Layout pages
* A closer look at Razor syntax

### Creating a complete ASP.NET Core MVC application

* Setting the scene
* Defining models and views
* Handling form submissions
* Additional techniques

### ASP.NET Core 2.0 Tag Helpers

* Benefits of Tag Helpers and how they work
* Enabling Tab Helpers
* Opting in / out of Tag Helper Processing

### Structuring ASP.NET Core MVC Applications

* Defining the Domain Model
* Defining the Web Application

### Dependency Injection, configuration, and Entity Framework

* Dependency Injection
* Configuration
* Using Entity Framework Core

### Test Driven Development with ASP.NET Core MVC

* TDD principles
* Unit testing frameworks for .NET Core
* XUnit.net walkthrough
* Unit testing ASP.NET MVC controllers
* Mocking

### Defining custom tag helpers

* Custom tag helpers
* Tag attributes
* Additional techniques
* Worked example: Pagination tag helper

### Implementing navigation

* Filtering items displayed
* Defining a better URL schema
* Partial views
* Introduction to view components
* Defining a navigation view component

### State Management

* Hidden fields
* Session state
* Caching
* Complete example of State Management

### Creating RESTful services using Web API

* Overview of RESTful services
* Creating RESTful services
* Implementing Industrial-String actions

### Creating Single Page Applications (SPAs)

* Setting the scene
* Using Bower to manage client packages
* Defining static content
* Gulp tasks
* Single Page Applications

### ASP.NET Identity

* Overview of authentication
* Implementing Windows Authentication
* Implementing Individual User Accounts
* Using the ASP.NET Identity UI features
* Overview of Claims-Based Authentication
* Example of Claims-Based Authentication

### Learning Objective

ASP.NET Core 2.0 Architecture, Principles and benefits

Creating Views, View Components & Tag Helpers

Dependency Injection in ASP.NET Core

Creating RESTful services using Web API

Creating Navigation

Test-Driven Development in ASP.NET & Visual Studio tools

Creating Single Page Applications (SPAs)

Creating Navigation, Routing, State Management, Security & More...