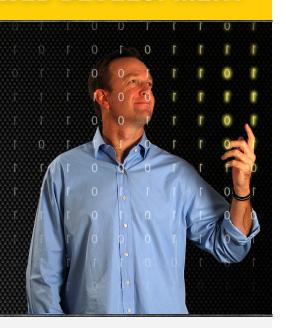# ASPMVC5: Microsoft ASP.NET MVC 5 Web Developer Training

Throughout the class you'll learn about core MVC concepts such as Model classes, Views and Controllers. You'll also see how routes are used and how they can be customized, write custom razor helpers and templates, and learn how to validate data using data annotations and the fluent API. Along with core MVC concepts you'll also learn how to query databases using Entity Framework. This includes creating custom DbContext classes, writing LINQ queries, building a repository layer to encapsulate data access code, and more. Finally, you'll learn how client-side technologies such as jQuery and AngularJS can be used to interact with RESTful services created using ASP.NET Web API.

AUDIENCE

This course is intended for any developer interested in building web applications using ASP.NET MVC. This class also is appropriate for ASP.NET Web Forms developers who need to learn how to migrate to ASP.NET MVC.

PREREQUISITES

Attendees should be comfortable working with the C# language, HTML, CSS and basic JavaScript. Prior hands-on experience with C# is highly recommend to get the most out of this class.

WHAT YOU WILL LEARN

» Discuss Core ASP.NET MVC Concepts
» Understand the Role of Model Classes
» Learn the Role that Controllers Play
» Understand How to Create and Use ViewModels
» Creating Custom Routes using Convention and Attribute-based Techniques
» Learn to Create Custom Razor Helpers
» Leverage Custom Templates in Razor Views
» Leverage Model Binding with Action Parameters
» Understand how to Validate Data using Data Annotations and Razor Helpers

» Create Master Layout Pages and Custom Sections
» Learn How to Write LINQ and Lambda Queries
» Query Databases using Entity Framework
» Learn How to Create RESTful Services using Web API
» Understand Client-side Technologies such as jQuery and AngularJS
» Call into RESTful Services using Ajax
» Much more!

'WOW WOW WOW WOW WOW'. Need I say more! "

ASPMVC5 Student
Phoenix, AZ

$2995.00

• 4-day course
• MOC equivalent 20486
• Promo and package discounts may apply

QUESTIONS?
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(course outline on back side)

COURSE OUTLINE

ASPMVC5: Microsoft ASP.NET MVC 5 Web Developer Training

ASP.NET MVC Core Concepts

- » Introduction to MVC
- » Routing
- » Controllers
- » Action Parameters and Model Binding
- » Razor Syntax

Working with Views

- » Razor Helpers
- » Data Validation
- » Master Layouts
- » Partial Views
- » Custom Templates
- » Areas

Working with Data

- » LINQ Queries
- » Using LINQPad
- » Entity Framework
- » Repository Pattern
- » Unit Testing Fundamentals

RESTful Services and JavaScript

- » Web API
- » Security
- » jQuery Fundamentals
- » AngularJS SPA Fundamentals
- » Bundling and Minification