

# ASP.Net MVC Online Training

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## Introduction

- History of Web Development
- Traditional ASP.NET Web Forms
- Benefits of ASP.NET MVC

## MVC Architecture

- Understanding the MVC Pattern
- Domain models and Repositories

## MVC Version History

## MVC Folder Structure

## Essential Language Features

- Automatically Implemented Properties
- Using Object and Collection Initializers
- Entity Framework
- Lambda Expressions
- Using Extension Methods
- Using Async Methods

## Routing

- Route
- Configure Route
- URL pattern
- Register Routes

## Working with Controllers

- Introducing the Controller

## Model Templates

- Templated View Helpers
- Using Metadata for Data Values

## Model Validation

- Explicitly Validating a Model
- Displaying Validation Messages
- Alternative Validation Techniques
- Security and Authentication

## Working with Views

- Working with the ASPX engine
- Working with the Razor Engine
- Adding Dynamic Content to a Razor View
- Inline code
- Partial Views

## Filters

- Authorization filters
- Exception Filters
- Action Filters
- Result Filters

## Helper Methods

- Using Built in Helper Methods
- Creating Custom Helper Methods

## Working with Areas

- Setting Up Areas
- Actions in Areas
- Routing and URL Generation with Areas

## Ajax and Client Scripting

- ASP.NET MVC's Ajax Helpers
- Using jQuery with ASP.NET MVC

## Security

- Authentication
- Authorization
- Cross-site scripting ( XSS )

## **Web API**

## **Entity Framework**

## **Additional Topics**

- Creating Single Page Application using AngularJS in MVC
- Introduction to Kendo UI controls

## **Best Practices & Guidelines**