Asp.Net MVC Training Course Content

INTRODUCTION TO ASP.NET MVC

- Introduction to MVC Architecture
- Advantages of MVC
- Why MVC approach?
- Page Life Cycle in MVC
- What is Routing?
- Routing execution in MVC
- What is Controller and action method
- What is View
- What is Model
- Request Flow in ASP.NET MVC

CONTROLLERS

- Introduction to Controllers
- Creating Controllers
- Creating Actions
- ActionResult
- Action Selectors
- NonAction
- Action Verbs
- ActionLink
- Parameters in URL
- Default Parameter Values

VIEWS (RAZOR)

- Introduction to Views
- Difference between Razor & Aspx View engines.
- Introduction to Razor Mark-up
- View Bag
- View Data
- Temp Data
- Designing a layout Page
PARTIAL VIEWS

- Partial Views
- RenderPartial()

HTML HELPERS

- Introduction to HTML helpers
- DisplayNameFor()
- DisplayFor()
- LabelFor()
- ValidationMessageFor()
- RadioButtonFor()
- DropDownListFor()
- ListBoxFor()
- CheckBoxFor()

MODELS

- Introduction to Models
- Creating Model classes
- Creating Views using Model Classes
- Data Annotations in Model

SCAFFOLD TEMPLATES IN MVC

- Introduction to scaffold Templates in MVC
- Creating controllers and views using scaffolding
- Strongly typed views
- Understanding Index, Details, Create, Edit, Delete action methods and views

ACTION FILTERS

- Introduction to action filters
  - [HttpPost]
  - [HttpGet]
  - [ValidateAntiForgeryToken]
  - [OutputCache]
  - [HandleError]
  - [NonAction]
  - [ActionName]

VALIDATIONS

- Introduction to Validations
DATA ANNOTATIONS

- [Required]
- [RegularExpression]
- [Range]
- [StringLength]
- [Compare]
- [Remote]
- IsValid

ENTITY FRAMEWORK IN MVC

- Introduction to Entity Framework
- Architecture of Entity Framework
- DB first approach
- Code First approach
- Creating DbContext and DbSet
- Configuring connection string
- Data annotations in Entity Framework
- Fluent API in Entity Framework

WEB API

- Introduction to Web API
- Why Web API?
- Understanding HTTP methods – GET, POST, PUT, DELETE
- Creating API controller
- Web API Routing
- Consuming Web API

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Know more about MVC

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