

MVC (4.0) (Model View Architecture) Training Syllabus

Model- View-Controller (MVC) is an architecture that separates the representation of information from the user's interaction with it. The Modal consists of application data and business rules, and the controller mediates input, converting it to commands for the modal or view. A view can be any output representation of data, such as a chart or a diagram. Multi-views of the same data are possible, such as a pie chart for management and a tabular view for accountants. The central idea behind MVC is code reusability for management and a tabular view for accountants. The central Idea behind MVC is code reusability and separation of concerns

TRAINING DURATION 35 Hrs / 3 Weeks / Customized

TRAINING CHARGE 7,000+ Service Tax

Training Syllabus:

1. Basics of ASP.NET MVC

- Creating a Complete ASP.NET MVC Application:
- Creating strongly-typed views;
- Understanding URLs and action methods;
- Using HTML helpers;
- Handling form post-backs;

- Data validation

2. Model

- Introduction to Entity Framework
- Code First Approach
- Database First Approach
- Model First Approach
- Database Context and Database Migrations
- Model Binding

3. Validations

- Model Validations by Attributes
- Display Validation Messages
- Model Binder, Metadata and Self Validating Models
- Client Side Validation (Unobtrusive)
- Remote Validation

4. URL Routing

- Using Static URL Segments
- Defining Custom Segment Variables
- Prioritizing Controllers by Namespaces
- Route Matching using Regular Expression
- Bypassing the Routing System
- Custom Routes

5. Filters

- Authorization Filters
- Exception Filters
- Action,Result Filters
- Filtering without Attributes
- Global Filters
- Built-In Filters like RequireHttps and OutputCache Filter

6. Controllers

- Creating the New Controller
- Writing Your Action Methods
- Parameters in Controller Actions

7. View

- Using the Razor View Engine
- Razor design goal
- Implement a Rozar view
- Razor syntax
- Generating Outgoing URLs in Views
- Accessing model data in Rozor;
- Using sections
- Partial Views
- Child Actions

8. Bundles and Display Modes

- Understanding Default Scropts and Libraries

- Managing Scripts and Style Sheets
- Using Bundling and minification
- Targeting Mobile Devices

9. JQuery and Twitter Bootstrap

- Overview of jQuery;
- jQuery techniques
- Using Ajax, jQuery, and Bootstrap with ASP.NET MVC:
- Overview of Ajax and ASP.NET MVC;
- Unobtrusive Ajax and the 'this' context;
- Using Ajax action links;

10. Web Api

- REST
- Creating API Controller
- Understanding API Controller Action Selection
- Mapping methods
- Writing Javascript to use the Web API

11. WPF-Controls and Basics

- Introduction
- XAML, Content Models
- Basic Controls, Content Controls, Layout Controls and Menu Controls
- Properties, Pens and Brushes, Input

12. WCF-Create Services

- Create service and operation contracts
- Create data contracts

- Create message contracts
- Implement RESTful services
- Create and configure a Routing service
- Create and configure a Discovery service

13. WCF-Host and Configure Service

- Create and configure endpoints
- Configure behaviors
- Implement self-hosting
- Implement web server hosting

TRAINING SCHEDULE - Please contact us for latest training schedule

TRAINING MODE

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Instructor Lead (REGULAR / ONLINE / WEEK-END / PART-TIME / COMBINED-FLEXIBLE)

INSTRUCTOR LEAD LIVE ONLINE TRAINING MODE - You can join the training from any part of world

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