

Oracle DBA, Oracle Developer, Java, Android, SQL Server, Linux, C, C++, MySQL PHP, HTML, CSS, Java Script, MySql DBA, Postgresql DBA, ASP.Net, Excel VBA

MVC with C#

(45 Hours)

Objective

- MVC design pattern and how it's applied in ASP.NET MVC.
- Understanding advantages and drawbacks of ASP.NET MVC.
- Understand the decision making about application architecture and the choice of data access technology.
- Learning HTML user interface using the Razor view engine and client-side JavaScript.
- Extend and modify ASP.NET MVC 4 by creating custom components and templates.

Prerequisites

- Knowledge of C programming
- Knowledge of basic Data Structures
- Knowledge of Basic SQL

Course Topics:

1. Introduction

- ASP and ASP.NET WebForms
- JavaScript and AJAX
- The MVC Design Pattern
- Managing Dependencies

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MVC with C#**(45 Hours)****2. Customizing and Extending ASP.NET MVC**

- ASP.NET MVC Lifecycle
- Routing and Attributes based routing
- Filters

3. ASP.NET MVC Architecture

- ASP.NET Platform
- Controllers, Models, and Views
- URL Routing
- Controller Actions
- Razor View Engine
- Extensibility

4. Defining the Model

- Entity Frame Work with Linq
- Routes and URLs
- Introduction to Routing
- Defining Routes
- Route Evaluation
- Constraints
- Exempting URLs
- Constructing Outgoing URLs

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MVC with C#**(45 Hours)****5. Controllers and Actions**

- Controller Base, and Controller
- Defining Actions
- Action Selectors
- HTTP Verbs
- HttpContext and RouteData
- Parameters and the Model Binder
- Asynchronous Action Methods

6. Views

- View Engines
- Templates and Scaffolding
- Razor Syntax
- ViewData and ViewBag
- Strongly-Typed Views
- Layout Pages
- Partial Views
- Child Actions
- Using a ViewModel Object

7. HTML Helpers

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MVC with C#**(45 Hours)****8. Data Validation**

- Data Annotations
- Validation HTML Helpers
- ModelState
- Client Side Validation Using Java Script

9. Ajax

- Basic knowledge of Ajax call(Get and post)
- Asynchronous and synchronize Ajax calling

10. Building a Rich Client-Side UI

- Integration
- Responsive of content part

11. Deployment

- Publish the Application