Beginning ASP.NET

Duration: 3 Days   Course Code: LO035406

Overview:

Building robust web applications is the need of the hour in the web world. With ASP.NET Core MVC (that makes use of the Model-View-Controller architecture), a web developer can meet this.

In today's age, it's important for a developer to possess the ability to separate the programming and business logic. There are few courses available on ASP.NET Core 2 that helps in imparting this ability to a developer.

Target Audience:

This course is aimed at developers who want to build web applications using ASP.NET Core or developers who want to make a career building web applications using Microsoft technology.

Objectives:

- As a tried and tested way to build cross-platform applications, this course will take you through the implementation of the core architecture of model, view, and controller.

- Build your own shopping cart in an iterative fashion and gain all the skills to develop real-world applications with ASP.NET Core 2.

Content:

Lesson 1: Setting the Stage

- Introduction to Web Applications
- Creating ASP.NET Core application

Lesson 2: Controllers

- Role of the Controller in ASP.NET MVC Applications
- Introduction to Routing
- Our First Controller
- Implementing our own IActionResult
- Adding Views
- Adding Models
- Passing Data from the Controller to the View
- Filters
- Writing a Custom Filter

Lesson 3: Views

- The View Engine and the Razor View Engine
- Working with Layout
- Generating HTML
- Partial View
- View Components
- Tag Helpers

Lesson 4: Models

- Introduction to Models
- Model Binding
- The Entity Framework
- Using the Entity Framework in ASP.NET MVC applications
- Database Migration

Lesson 5: Validation

- Introduction to Validation
- Client-Side and Server-Side Validation
- Server-side Validation
- Client-side Validation
- Implementation

Lesson 6: Routing

- Convention-Based Routing
- Attribute-Based Routing
- Route Attribute at the Controller Level
- Passing Routing Values in HTTP Action Verbs in the Controller
- Route Constraints

Lesson 7: Rest Buy

- Designing Rest Buy
- Creating the Entities for the Application
- Creating EF Context and Migrations

Lesson 8: Adding Features, Testing, and Deployment

- Adding the Registration Feature
- Creating a Unit Test
- Upgrading Our Application to Bootstrap 4
- Deploying Rest Buy to Azure

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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