ASP FullStack Web Applications Solutions Developer

Course Overview:

- ASP Dot Net Core Full Stack Modern Web Applications Solutions Developer Learning Path
- Web development with C# dot net , ASP dot NET, MVC Corse , Microsoft SQL Server, ASP Web APIs.
- A Full-stack .NET Core Developer is an expert who can design and develop modern web applications all stacks like UI, Back-end, database, version control, server and APIs.
- This learning path focus on C#, SQL Server, HTML, Bootstrap, ASP.NET Core, Web API, and Entity Framework Core which are required to build a real-world application with modern .NET.
- Full Stack Web Development Program makes you proficient in skills to work with back-end and front-end web technologies.
- In this Learning path, you will start from learning how to implement modern web pages with HTML, CSS, and JavaScript.
- You will learn about RESTful web APIs, ASP.NET Web API platform and how to build RESTful application on .NET framework.

In this Learning path

1. **HTML, CSS and JavaScript**
2. **C# Programming**
3. **Developing ASP.Net Web Applications**
4. **ASP Core Web API**
5. **Microsoft SQL Essentials**

Why ASP FullStack Web Applications Certifications ?

Full Stack Web Development Program makes you proficient in skills to work with back-end and front-end web technologies.

Audience Profile :

- This course is intended for professional web developers who use Microsoft Visual Studio in an individual-based or team-based, small-sized to large development environment.
- Candidates for this course are interested in developing advanced web applications and want to manage the rendered HTML comprehensively.
- They want to create websites that separate the user interface, data access, and application logic.

Prerequisites:

- Anyone who wants to learn to build exceptional Web Applications.

HTML, CSS and JavaScript Outline:

- Module 1: How the web works?
- Module 2: HTML
- Module 3: CSS
- Module 4: JavaScript
- Module 5: HTML5
- Module 6: CSS3
- Module 7: Advanced JavaScript
- Module 8: jQuery

C# Programming Outline:

- Module 1: Review of Visual C# Syntax
- Module 2: Creating Methods, Handling Exceptions, and Monitoring Applications
- Module 3: Basic types and constructs of Visual C#
- Module 4: Creating Classes and Implementing Type-Safe Collections
- Module 5: Creating a Class Hierarchy by Using Inheritance
- Module 6: Reading and Writing Local Data
- Module 7: Accessing a Database
- Module 8: Accessing Remote Data
- Module 9: Designing the User Interface for a Graphical Application
- Module 10: Improving Application Performance and Responsiveness
- Module 11: Integrating with Unmanaged Code
- Module 12: Creating Reusable Types and Assemblies
- Module 13: Encrypting and Decrypting Data

Training Solutions:

√ Offline Classroom Instructor-Led Training in our labs or onsite Locations.

√ Virtual Instructor-Led Training Via Virtual Video Conferencing Tools.

Why Learners Prefer CLS as their Training Services provider ?

■ Premuim Training Services Accredited from Global Technology Vendors.

■ Best Rated Experts & Certified Trainers in Egypt.

■ Official Training Hours, Practice Labs, Hands-on Learning.

■ CLS Training Classrooms are designed with High Edge PCs and Training Facilities.

■ Return on Training Investment is Guaranteed to boost performance.

Developing ASP.Net Web Applications Oultine:

- Module 1: Exploring ASP.NET Core MVC
- Module 2: Designing ASP.NET Core MVC Web Applications
- Module 3: Configure Middlewares and Services in ASP.NET Core
- Module 4: Developing Controllers
- Module 5: Developing Views
- Module 6: Developing Models
- Module 7: Using Entity Framework Core in ASP.NET Core
- Module 8: Using Layouts, CSS and JavaScript in ASP.NET Core MVC
- Module 9: Client-Side Development
- Module 10: Testing and Troubleshooting
- Module 11: Managing Security
- Module 12: Performance and Communication
- Module 13: Implementing Web APIs
- Module 14: Hosting & Deployment

ASP Core Web API Outline:

- Application Architecture.
- ASP.NET Core and REST Services.
- Understanding the JSON Format.
- Role of the Design and Performance Considerations.
- Creating API Project.
- EF Core Model.
- API Controllers.
- Http Request Methods.
- Web API Routing.
- Binding and Return Types.
- Create Web API for CRUD (Select – Insert – Update – Delete).
- Running and Test the Web API.
- Creating a Client for Web API.
- Setting Up the HttpClient.
- Consuming API.
- Running the Application.

Microsoft SQL Essentials Outline:

- Module 1: Getting Started with Transact-SQL
- Module 2: Sorting and Filtering Query Results
- Module 3: Using Joins and Subqueries
- Module 4: Using Built-in Functions
- Module 5: Modifying Data

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