

Sela.

ASPWS

ASP.NET Core Web API and Angular

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ASP.NET Core Web API and Angular

ASPWS - Version: 1

 1 days Course

Description:

Millions of developers have used ASP.NET (and continue to use it). ASP.NET Core is a redesign of ASP.NET, with architectural changes that result in a leaner and modular framework. ASP.NET Core provides features that help you build web APIs. Angular is a Typescript-based open-source front-end web application platform. It addresses all parts of the developer workflow while building complex web applications. Angular is a complete rewrite of AngularJS. In this course we will use ASP.NET Core Web API and Angular to build a web site from scratch. At the end of the course, you will be familiar with ASP.NET Core Web API, Angular, and how they communicate with each other.

Intended audience:

This course is intended for web developers who are familiar with Microsoft Visual Studio and the .NET Framework.

Prerequisites:

Good C# programming knowledge with at least 2 years experience in writing C# applications
Familiarity with Visual Studio

Objectives:

Describe what is ASP.NET Core
Describe that is Web API and how to use Web API in ASP.NET Core
Describe what is Entity Framework Core and how to use it in conjunction with ASP.NET Core Web API



Describe what is Angular

Be able to write an end-to-end web application using ASP.NET Core Web API and Angular

Topics:

ASP.NET Core

- Evolution of ASP and ASP.NET
- What is ASP.NET Core?
- Middleware
- Dependency Injection
- ASP.NET Core MVC

Web API

- Controllers and Actions
- Routing
- Models
- Status Codes
- Verbs (GET, POST, PUT, DELETE)
- Validations

Entity Framework Core

- ORM
- Entities
- Context
- Manipulation Data
- Connecting to a Database



Angular

- What is Angular?
- npm
- Typescript
- Visual Studio Code
- Components
- Modules
- Directives
- Data Binding
- Services
- Lifecycle hooks
- Observable

ASP.NET Core Web API and Angular

- HttpClient
- CORS
- Making HTTP Requests
- Manipulating Data
- Error Handling