

# Blazor Application Development Using .NET 6

- 1. Introduction to .NET 6 | .NET 5 | ASP.NET CORE 3.1**
  - Understanding Core form of .NET
  - Whats new with .NET 6
- 2. Overview to Blazor**
  - Blazor as SPA -SINGLE PAGE APPLICATION
  - Blazor Architecture with ASP.NET Core | .NET
  - Intro to **Blazor Server**
  - Intro to **Blazor Web Assembly**
  - Lazy loading in blazor
- 3. Developing .NET Application with Blazor**
  - Blazor as RAD
  - Installing Blazor using Visual studio 2022
  - Creating your first Blazor Web Application
  - Creating Progress Web Application PWA
- 4. Razor Components**
  - Razor Syntax & Directives
  - Pages vs Components
  - Routing
  - Rendering Components
  - Binding
  - Events and Event Call Back
  - Communication between components & child components
  - Passing parameters
- 5. Validation**
  - Introduction to Validation
  - EditForm components
  - Input components
  - Validation components
- 6. Bootstrap in Blazor Application**
  - Using Bootstrap to provide a Responsive User Interface
  - Layout using Bootstrap
- 7. Using Rest services (Web API) - WebAssembly**
  - Creating Web API services
  - Web API Controller
  - Implementing Controller Actions
  - Configuring and Injecting HttpClient
  - Implementing GET, PUT, POST and Delete
- 8. Using Entity Framework EF – BLAZOR SERVER**
  - Introduction to Entity Framework Core
  - Migrations and Database creation
  - DataAnnotations
  - Adding Migrations
  - Creating a Database
  - Creating Web API controller

## **9. Securing MVC based App Using Blazor**

- Dealing with common security threats in Web Applications
- Authentication and Authorization
- Configuring Authorization
- Securing Pages and Components

## **10. gRPC Services in Blazor Application**

- Introduction to gRPC
- Comparing gRPC and Web Api
- Implementing gRPC service in Blazor App

## **11. Razor Class Library**

- Creating a Razor Class Library
- Using Components from a Library
- Routing to Pages in a Library