ASP.NET is an open-source web framework, created by Microsoft, for building modern web apps and services with .NET.

ASP.NET is cross platform and runs on Windows, Linux, macOS, and Docker.

A picture containing timeline

Description automatically generatedDiagram

Description automatically generated

Changes for database and email must be done in every page (i.e., 3)

IEmail & IDb are interfaces

Changes are only made inside implementation inside Dependency Injection Container (DI)

Diagram

Description automatically generated

ASP.NET extends the .NET platform with tools and libraries specifically for building web apps.

These are some things that ASP.NET adds to the .NET platform:

* **Base framework for processing web requests in C# or F#**
* **Web-page templating syntax**, known as Razor, for building dynamic web pages using C#
* **Libraries for common web patterns**, such as Model View Controller (MVC)
* **Authentication system** that includes libraries, a database, and template pages for handling logins, including multi-factor authentication and external authentication with Google, Twitter, and more.
* **Editor extensions** to provide syntax highlighting, code completion, and other functionality specifically for developing web pages