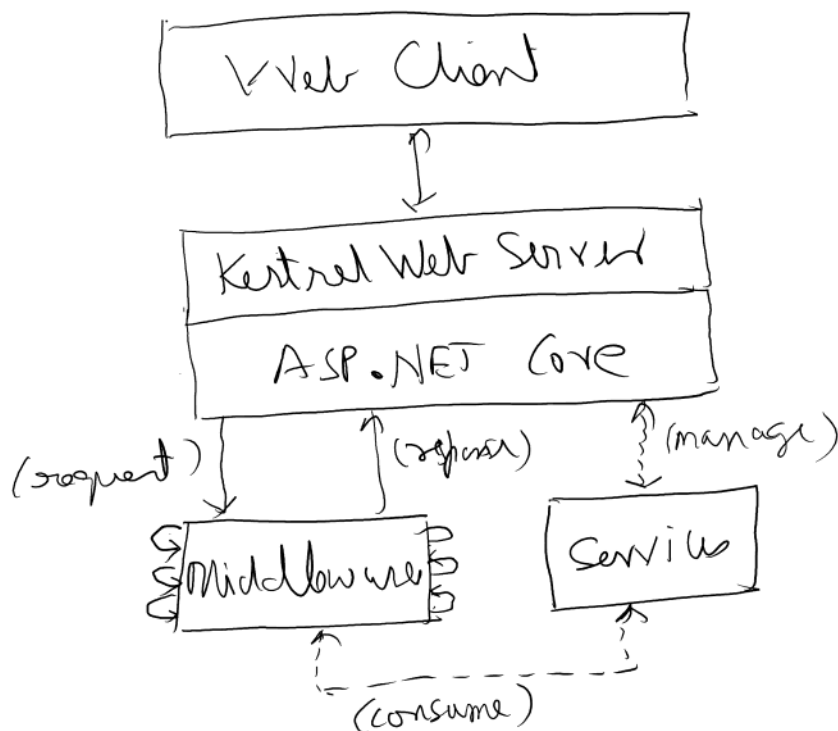# Web

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**ASP.NET Core**: It is a framework for building *cross-platform* HTTP *server-side* applications using .NET. It provides the *Kestrel* web-server and uses it by default for hosting applications with support for

1. **Request Pipeline** enabling the application to generate the response for a request received by the server by passing this request through a sequence of operations known as the *middle-wares*.
2. **Dependency Injection** enabling the application to manage the *life-times* of services required by its components and allowing these components to consume such services in a *loosely coupled* manner.



**ASP.NET MVC**: It is a set of built-in middle-wares and services required for dividing the implementation of a complex web-application into a *model* which handles data access, a *view* which handles data presentation and a *controller* which passes the requested commands to the other two. It also serves as the basis for

1. **Razor Pages** enabling a web-application to publish dynamic content (using model and view) through a web-page composed of HTML and C# code which is executed on the server.
2. **Web API** enabling a web-application to publish a RESTful service (using model and controller) which client-side code can consume to create, read, update and delete data-objects persisted on the server.