session 1 mvc

mvc

model view controller
no need for a front end dev.

---

razor pages

alternative for mvc
used for small projects

---

web api

used to build restful services for creating backends for mobile apps, SPAs (single page applications)

Blazor

```
blazor
|_ blazor server -> used for real time apps (like chats or
dashboards)
|   uses signalR needs a continuous internet connection
[multiple page app]
|_ blazor web assembly -> used for creating web app once
downloaded, the app works offline [single page app]
```

ASP.NET core MVC

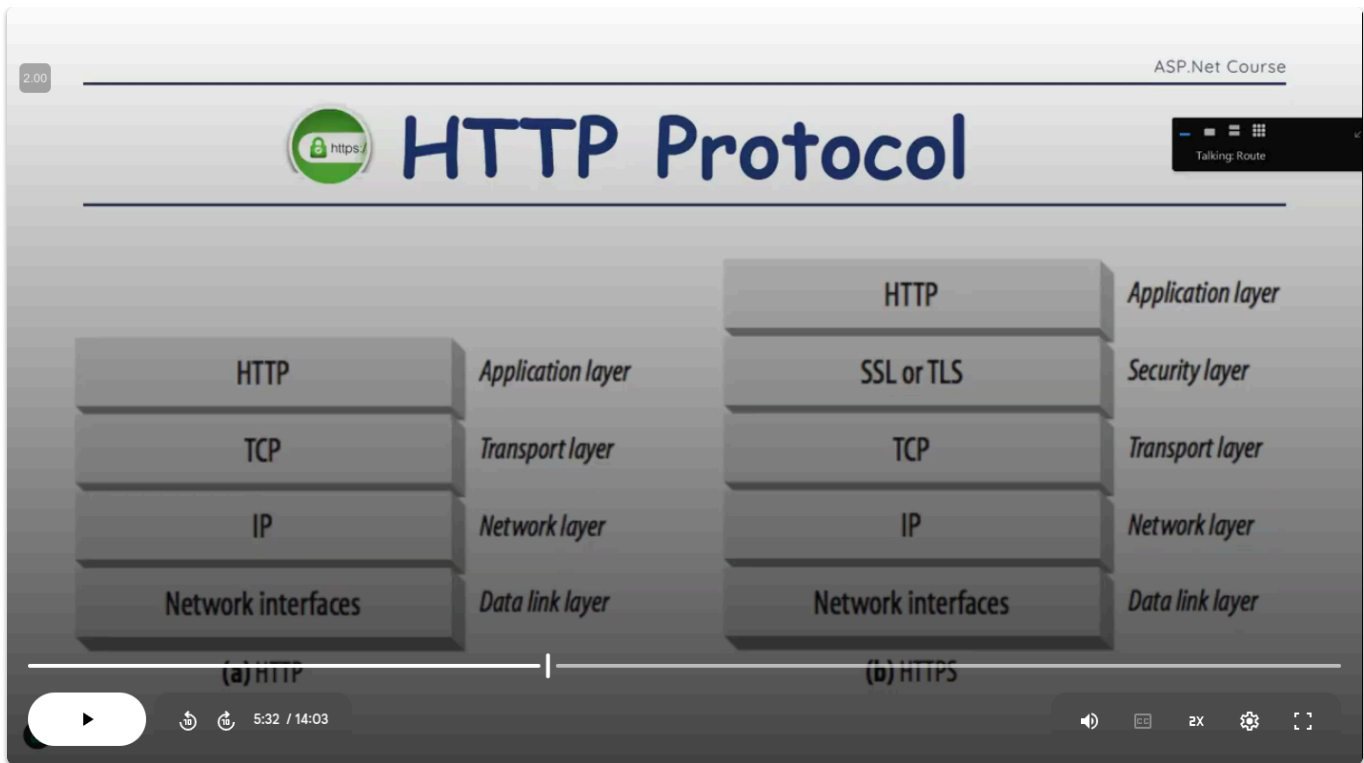the model-view-controller architectural pattern separates an application into the main components.

```
MVC
|_ Model class represent table in database
|_ View html page [handle the user interface (UI) and
presentation]
|_ Controller processes user input, interacts with the model,
and returns the view
```

HTTP Protocol

HTTP (Hypertext Transfer Protocol) is a communication protocol used to transfer data between clients and servers over the internet

- FTP (File Transfer Protocol) is a standard network protocol used to transfer files between a client and a server
- TCP (Transmission Control Protocol) is a communications standard (Rules) for delivering data and messages through networks used for organizing data in a way that ensures secure transmission between the server and the client

URL

URL (Uniform Resource Locator) is used to address a document (or other data) on the web To tells browsers how to fetch a resource

Uniform Resource Identifier
Identifies any resource, either by its location, name, or both

URI

URN

URL

Uniform Resource Name
Focuses only on uniquely identifying a resource, not on where it is located or how to access it.

Uniform Resource Locator
Specifies the location of a resource along with the method (protocol) to access it

---

http://amazon.com/Movies/GetMovie?id=5&name=abc#Triller

| Scheme | Host (Domain) | Path | Query | Fragment |

Protocol
Colon
Slashes

Talking: Route

Status Code

100-199	• Informational
200-299	• Successful
300-399	• Redirection
400-499	• Client Error
500-599	• Server Error