**MEAN STACK**

Angular:

1. A Client-side (Browser) framework which allows u to build SPA (Single Page Application).
2. Angular used to render UI with Dynamic Data.
3. It is used to handle user data and validate input.
4. It also communicates with backend services.
5. It’s provides mobile-app like experience and SPA features.

Express:

1. A Node Framework which simplifies writing Server-side Code and Logic.
2. Based on node.js offer same functionalities.

MongoDB:

1. A NoSQL Database which stores “Document” in “Collections” (instead of “Records” in “Tables” as in SQL).
2. It will not enforce Data Schema or relations
3. Easily Connected to Node/Express (Not to Angular)
4. A powerful Database which can easily be integrated into a Node/Express Environment.

SPA:

Index.html is a one way route

Make sure you add the --strict false flag when running ng new (e.g. run ng new my-project --strict false) in the next lecture.

5 topics in Angular:

1. Components
2. Directives
3. Pipes
4. Dependency Injection
5. Modules

How to install Angular CLI :

Command : npm install -g @angular/cli

To create new project:

Command: ng new project-name

To start Angular application:

Command : ng serve

In Angular, components are the building blocks of an application, and the **app.component.ts** file typically represents the root component of the application.

Angular components have lifecycle hooks that allow developers to execute code at specific points in the life of a component. The **app.component.ts** file may include lifecycle hook methods like **ngOnInit** or **ngOnDestroy**.

The **@Component** decorator can include properties like **template** and **styleUrls** that specify the HTML template and styles associated with the component.