Day 20 : 26 Nov 2024 CB FSD - Planning and UI Design

Angular directives

Angular directives is use to add extra behaviour for existing DOM or html contents.

There types of directives

1. Component directives : component directives is a type of directive which help to create user defined tags with help of selector

@Component({

selector :”my-tag”,

templateUrl:”my-tag.html”

})

class MyComponent{

}

ng g c component-name

1. structure directives : using structure directive we can add or remove dom elements or html contents using events.

\*ngIf

\*ngFor

With help of structure directive we can use if and looping concept in html code.

<div \*ngIf=”variableName or condition”>

</div>

<div \*ngFor=”let name of names”>

<p>{{name}}</p>

</div>

1. Attribute directives : using attribute directive we can apply css effects.

ngStyle : inline style in CSS

ngClass : external css with class selector

<p ngStyle=”variablename”></p>

<p ngClass=”className”></p>

ng new angular-directives

cd angular-directives

ng g c structure-directive

ng g c attribute-directive

Angular Forms

ng new angular-forms-service

routing 🡪no

styling 🡪css

using template reference we can pass the value from template or html to ts file. But if we want to pass the group of value like login which contains emailid and password or account which contains accno, name, amount etc.

with help of angular forms we can pass group of value to gather as objects in the form of literal (JSON-> Java Script object notation).

Angular support two types of forms

1. Template Driven Forms
2. Model Driven or reactive forms

Template Driven Form

1. The flow of application html to ts file.
2. This type of form use for small application or simple form.
3. In this type form html and css developer prefer.
4. In this type of form we use ngForm and ngModel attribute part of FormsModule. While developing application using template drive form we need to import FormsModule in app.module.ts file.

<form #loginRef="ngForm">

</form>

Using ngForm=”#loginRef”. ngForm is pre defined attribute and # with any name as loginRef is reference or object of forms.

Model Driven Form

1. The flow of application ts to html file.
2. The type of form we use for enterprise level application or complex form.
3. In this type of form we need knowledge of typescript and angular forms.
4. In this type of forms first we need create FormGroup object which is part of ts file which can contains more than one FormControl objects. In html page formGroupName and formControlName attribute we need to use. formGroupName and formControlName attribute is part of ReactiveFormsModule. So we need to import in app.module.ts file.

ng new angular-forms-service

cd angular-forms-service

ng g c tdf-login-page

ng g c mdf-login-page