**Advance Angular Concepts**

Custom Directives & Pipes

1. **\*myIf 🡪 (custom \*ngIf)**
2. **\*myFor 🡪 (custom \*ngFor)**
3. **Attribute Directives**
   1. **appHighLight**
   2. **appToolTip**

**\*myIf 🡪 (custom \*ngIf)**

* Add /remove DOM elements based on logic
* It is custom structural directive that behaves like angular’s built-in \*ngIf
* It allows conditionally show or hide element based on a Boolean expression- but with your own logic and control
* Actual Use Cases:
  + Show an element only when a user is logged in
  + Display a warning if form validation fails
  + Conditionally load parts of UI based on User roles

My-if-directive.ts

import { Directive, Input, TemplateRef, ViewContainerRef } from "@angular/core";

@Directive({

    selector:'[myIf]',

})

export class MyIfDirective{

    constructor(

        private templateRef: TemplateRef<any>,

        private viewContainer: ViewContainerRef

    ){}

    @Input() set myIf(condition: boolean){

        this.viewContainer.clear();

        if(condition){

            this.viewContainer.createEmbeddedView(this.templateRef);

        }

    }

}

Declare in app.module.ts file

@NgModule({

  declarations: [

    AppComponent,

    DirectiveComponent,

    MyIfDirective

  ],

Use it in any component

Directive.component.ts file

import { Component } from '@angular/core';

@Component({

  selector: 'app-directive',

  templateUrl: './directive.component.html',

  styleUrls: ['./directive.component.css']

})

export class DirectiveComponent {

  isVisible=false;

}

Directive.compoenent .html file

<div class="container bg-warning">

    <h1>This is custom myIf  Directive</h1>

</div>

<div \*myIf="isVisible" class="container bg-warning">

    <h1>i am visible based on condition</h1>

</div>