**Lesson31 Routing Navigation in Angular**

**Notes:-**

**\*To Apply the Routing Navigation in Angular we do the following steps:-**

**A\*(In Case you want to navigate to specific component by using button, we use the instance of Router to navigate to specific Employee)**

**B\*(In Case you want to pass the parameter value to specific component, we use the instance of Router to pass the parameter to variable)**

**Steps:-**

**1-In the app.module.ts we write the following code**

import { RouterModule, Routes } from '@angular/router';

const appRoutes: Routes = [

//The Order of the routes path is important , so that the order of the default route and the

//wild card route is the order is the last and before last order

{ path: 'home', component: HomeComponent },

{ path: 'home2', component: Home2Component },

{ path: 'employees', component: EmployeeListComponent },

{path:'detail/:id',component:EmployeeDetailComponent},

//we link the default route with the homeComponent

{ path: '', redirectTo: 'home', pathMatch: 'full' },

{ path: '\*\*', component: PageNotFoundComponent }

];

@NgModule({

declarations: [

AppComponent,

EmployeeComponent,

HomeComponent,

MenuComponent,

PageNotFoundComponent,

EmployeeListComponent,

EmployeeDetailComponent,

Home2Component],

imports: [

FormsModule,

BrowserModule,

HttpClientModule,

RouterModule.forRoot(appRoutes),

EmpModule],

providers:[],

bootstrap: [AppComponent]

})

export class AppModule { }

**2-In the EmployeeDetails.component.ts we make instance of the Router and we use it inside the event of click button**

<table \*ngIf="empService.selectedEmployee">

<thead>

<tr><th colspan="5">Employee Details</th></tr>

</thead>

<tbody>

<tr><td>Employee Code</td>

<td>{{empService.selectedEmployee.ID}}</td></tr>

<tr><td>Full Name</td>

<td>{{empService.selectedEmployee.Fname}} {{empService.selectedEmployee.Lname}}</td></tr>

<tr><td>Gender</td>

<td>{{empService.selectedEmployee.gender}}</td>

</tr>

<tr><td>Annual Salary</td>

<td>{{empService.selectedEmployee.Salary}}</td></tr>

</tbody>

</table>

<div \*ngIf="!employee">

{{statusMessage}}

</div>

<input type="button" class="btn btn-primary" value="Back To The Employees List" (click)="BackToEmployee()"/>

**3-on the code behind we write the following code.**

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

import { Router, ActivatedRoute, Params } from '@angular/router';

import { EmployeeService } from '../../Service/employee.service';

import { Employee } from '../../Service/Employee';

@Component({

selector: 'app-employee-detail',

templateUrl: './employee-detail.component.html',

styleUrls: ['./employee-detail.component.css']

})

export class EmployeeDetailComponent implements OnInit {

statusMessage: string;

ID: any;

constructor(private empService:EmployeeService,private router:Router,private route:ActivatedRoute){

//we see the instance of the Router to use it to pass the parameter to this component Employees

this.route.params.subscribe((params:Params) => {

this.ID = params.id;

this.showForEdit(this.ID);})}

ngOnInit() {}

showForEdit(Empid: number) {

this.empService.GetPerson(Empid).subscribe(data =>

this.empService.selectedEmployee = data as Employee

,error => this.statusMessage = error);}

//We use the instance of the Router to use it to navigate it to the component employees.

BackToEmployee(){

this.router.navigate(['/employees']);}}