Source Code Of Event Management App

1.App.component.html

<nav class="navbar navbar-expand-lg navbar-light bg-light">

    <div class="container">

      <a class="navbar-brand" href="#">Portal</a>

      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">

        <span class="navbar-toggler-icon"></span>

      </button>

      <div class="collapse navbar-collapse" id="navbarNav">

        <ul class="navbar-nav">

          <li class="nav-item">

            <a class="nav-link" routerLink="/home">Home</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" routerLink="/register">Add Employee</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" routerLink="/login">Edit Employee</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" href="/home" (click)="us.logout()">Logout</a>

          </li>

        </ul>

      </div>

    </div>

    <form class="d-flex" role="search">

      <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search">

      <button class="btn btn-outline-success" type="submit">Search</button>

    </form>

  </nav>

<router-outlet></router-outlet>

2.App.component.css

.navbar-nav .nav-item:hover .nav-link {

    background-color: aqua;

    color: black;

}

3.App.module.ts

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

import { BrowserModule } from '@angular/platform-browser';

import { AppRoutingModule } from './app-routing.module';

import { AppComponent } from './app.component';

import { HomeComponent } from './home/home.component';

import { RegisterComponent } from './register/register.component';

import { ProfileComponent } from './profile/profile.component';

import { ServicedemoComponent } from './servicedemo/servicedemo.component';

import { FormsModule } from '@angular/forms';

import {HttpClientModule} from '@angular/common/http';

import { EditComponent } from './edit/edit.component';

import { LoginComponent } from './login/login.component';

@NgModule({

  declarations: [

    AppComponent,

    HomeComponent,

    RegisterComponent,

    ProfileComponent,

    ServicedemoComponent,

    EditComponent,

    LoginComponent

  ],

  imports: [

    BrowserModule,

    AppRoutingModule,

    FormsModule,

    HttpClientModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

4.App.routing.module.ts

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

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

import { HomeComponent } from './home/home.component';

import { LoginComponent } from './login/login.component';

import { ProfileComponent } from './profile/profile.component';

import { RegisterComponent } from './register/register.component';

import { EditComponent } from './edit/edit.component';

const routes: Routes = [

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

  {path : 'login', component: LoginComponent},

  {path : 'register', component: RegisterComponent},

  {path : 'edit/:id', component: EditComponent},

  {path : 'profile', component: ProfileComponent}

]

@NgModule({

  imports: [RouterModule.forRoot(routes)],

  exports: [RouterModule]

})

export class AppRoutingModule { }

5.login.component.html

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Delete Employee Detail</title>

  <!-- Add Bootstrap CSS link here -->

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body>

  <div class="container mt-5">

    <h1>Please Delete Employee Detail</h1>

    <form #gfgform="ngForm" (ngSubmit)="onSubmit(gfgform.value)">

      <div class="mb-3">

        <label for="name" class="form-label">Username</label>

        <input type="text" name="name" class="form-control" ngModel>

      </div>

      <div class="mb-3">

        <label for="password" class="form-label">Password</label>

        <input type="password" name="password" class="form-control" ngModel>

      </div>

      <button type="submit" class="btn btn-primary">Submit</button>

    </form>

  </div>

  <!-- Add Bootstrap JS and Popper.js (required for some features) links here -->

  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>

6.login.component.ts

import { CSP\_NONCE, Component } from '@angular/core';

import { Router } from '@angular/router';

import { UserService } from '../service/user.service';

@Component({

  selector: 'app-login',

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

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

})

export class LoginComponent {

  constructor(private route: Router, private us:UserService ){}

  onSubmit(user:any){

    console.log(user)

    this.us.validateUser(user.name)

    .subscribe(resp=>{

      // resp is an array

      if(resp.length>0){

        let obj = resp[0]

        if(obj.password === user.password){

          // cookies

          sessionStorage.setItem('username', user.name)

          this.route.navigate(['/profile']);

        }

        else{

          alert('Invalid Credentials')

        }

      }

      else

        alert('Username does not exist')

    })

  }

}

7.Profile.Cmoponent.html

<h1>Please Edit Employeess</h1>

<h1>Welcome : {{user.name}}</h1>

<h3>Your details as follows:</h3>

<p>Email :{{user.email}} </p>

<p>City : {{user.city}}</p>

<p><button (click)="delete()">DELETE</button> &nbsp;&nbsp;<button (click)="edit()">EDIT</button></p>

8.Profile.component.ts

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

import { User, UserService } from '../service/user.service';

import { Router } from '@angular/router';

@Component({

  selector: 'app-profile',

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

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

})

export class ProfileComponent implements OnInit, OnDestroy{

  user:User

  // constructor => used to initialize the values, called only once

  // donot write any long running or complex or  code for network calls

  constructor(private us:UserService, private router:Router){

    this.user = new User(0, '','','','')

  }

// ng on init => gets called only once the lifecylce of the component and

// this is the place to write any complex code

  ngOnInit(): void {

      let username = this.us.getUsername()

      if(username){

        this.user.name= username

        this.us.validateUser(username)

        .subscribe(resp=>{

          if(resp.length > 0){

            let obj = resp[0]

            this.user.email = obj.email

            this.user.city = obj.city

            this.user.id= obj.id

          }

          else

          console.log('no user')

        })

      }

      else{

        alert('Please login')

        this.router.navigate(['/login'])

      }

  }

  edit()

  {

      this.router.navigate(['/edit', this.user.id])

  }

  delete(){

    this.us.deleteUser(this.user.id)

    .subscribe(resp=>{

      this.us.logout()

      this.router.navigate(['/home'])

    })

  }

// this is the place to unsubscribe or release the resouces

  ngOnDestroy(): void {

      console.log('destroy profile')

  }

}

9.Edit.Component.html

<h1>Please Update Employee Detail</h1>>

<form (ngSubmit)="onSubmit()" >

    username <input type="text" name="name" [(ngModel)]="user.name"><br>

    Email <input type="email" name="email" [(ngModel)]="user.email"><br>

    City <input type="text" name="city" [(ngModel)]="user.city"><br>

    <input type="submit" value="Update">

</form>

10.Edit.Component.ts

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

import { User, UserService } from '../service/user.service';

import { Router } from '@angular/router';

@Component({

  selector: 'app-profile',

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

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

})

export class ProfileComponent implements OnInit, OnDestroy{

  user:User

  // constructor => used to initialize the values, called only once

  // donot write any long running or complex or  code for network calls

  constructor(private us:UserService, private router:Router){

    this.user = new User(0, '','','','')

  }

// ng on init => gets called only once the lifecylce of the component and

// this is the place to write any complex code

  ngOnInit(): void {

      let username = this.us.getUsername()

      if(username){

        this.user.name= username

        this.us.validateUser(username)

        .subscribe(resp=>{

          if(resp.length > 0){

            let obj = resp[0]

            this.user.email = obj.email

            this.user.city = obj.city

            this.user.id= obj.id

          }

          else

          console.log('no user')

        })

      }

      else{

        alert('Please login')

        this.router.navigate(['/login'])

      }

  }

  edit()

  {

      this.router.navigate(['/edit', this.user.id])

  }

  delete(){

    this.us.deleteUser(this.user.id)

    .subscribe(resp=>{

      this.us.logout()

      this.router.navigate(['/home'])

    })

  }

// this is the place to unsubscribe or release the resouces

  ngOnDestroy(): void {

      console.log('destroy profile')

  }

}

11.demo.service.ts

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

@Injectable({

  providedIn: 'root'

})

// ds = new DemoService()

export class DemoService {

  /\*\*

   \* it is like global available to all the components

   \* changes made by 1 component will reflect in all other components

   \*/

  message:string

  constructor() {

    console.log('demo service contructor!!')

    this.message='Message from service'

   }

}

12.User.service.ts

import { HttpClient } from '@angular/common/http';

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

/\*\*

 \* 1. Add HttpClientModule in app.module.ts file

 \* 2. Inject Httpclient in the service

 \* 3. Create the url and make HTTP method request

 \*/

export class User{

  constructor(public id:number,

    public name:string,

    public password:string,

    public email:string,

    public city:string,){}

}

@Injectable({

  providedIn: 'root'

})

export class UserService {

  url:string ='http://localhost:3000/users'

  constructor(private http:HttpClient) { }

  public validateUser(username:string){

    return this.http.get<User[]>(`${this.url}?name=${username}`)

  }

  public getUsername()

  {

    return sessionStorage.getItem('username')

  }

  public logout(){

    sessionStorage.removeItem('username')

  }

  addUser(user:User)

  {

    return this.http.post<User>(`${this.url}`, user, {

      headers:{'Content-type':'application/json'}

    })

  }

  deleteUser(id:number){

    return this.http.delete(`${this.url}/${id}`)

  }

  getUserById(id:number){

    return this.http.get<User>(`${this.url}/${id}`)

  }

  updateUser(user:User)

  {

    return this.http.put<User>(`${this.url}/${user.id}`, user, {

      headers:{'Content-type':'application/json'}

    })

  }

}