**Code for Project:**

**about-us.component.html:**

<p>about-us works!</p>

**about-us.component.ts:**

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

@Component({

selector: 'app-about-us',

templateUrl: './about-us.component.html',

styleUrls: ['./about-us.component.css']

})

export class AboutUsComponent implements OnInit {

constructor() { }

ngOnInit(): void {

}

}

**contact-us.component.html:**

<p>contact-us works!</p>

**contact-us.component.ts:**

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

@Component({

selector: 'app-contact-us',

templateUrl: './contact-us.component.html',

styleUrls: ['./contact-us.component.css']

})

export class ContactUsComponent implements OnInit {

constructor() { }

ngOnInit(): void {

}

}

**dashboard.component.html:**

<div>

<h2>Welcome to Home user {{user}}</h2>

</div>

**dashboard.component.ts:**

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

@Component({

selector: 'app-dashboard',

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

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

})

export class DashboardComponent implements OnInit {

user:string =""

constructor() { }

ngOnInit(): void {

let obj = sessionStorage.getItem("user");

if(obj != null){

this.user = obj;

}

}

}

**feedback.component.html:**

<p>feedback works!</p>

**feedback.component.ts:**

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

@Component({

selector: 'app-feedback',

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

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

})

export class FeedbackComponent implements OnInit {

constructor() { }

ngOnInit(): void {

}

}

**login.component.html:**

<div>

<h2>Login Page</h2>

<form [formGroup]="loginRef" (ngSubmit)="checkUser()">

<label>EmailId</label>

<input type="email" formControlName="email"/><br/>

<label>Password</label>

<input type="password" formControlName="pass"/><br/>

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

<input type="reset" value="reset"/>

</form>

<br/>

<span style="color:red">{{msg}}</span>

<br/>

<a routerLink="signUp">SignUp!</a>

</div>

**login.component.ts:**

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

import { FormGroup,FormControl } from '@angular/forms';

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

@Component({

selector: 'app-login',

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

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

})

export class LoginComponent implements OnInit {

msg:string =""

loginRef=new FormGroup({

email:new FormControl(),

pass:new FormControl()

});

constructor(public router:Router) { } // DI for router API

ngOnInit(): void {

}

checkUser(){

let login = this.loginRef.value;

let obj = sessionStorage.getItem("loginInfo");

if(obj!=null){

let loginInfo = JSON.parse(obj);

let result =loginInfo.find((l:any)=>l.email==login.email && l.pass==login.pass);

if(result != undefined){

sessionStorage.setItem("user",login.email);

this.router.navigate(["home"]);

}else {

this.msg = "Failure try once again";

}

}

// if(login.email == "raj@gmail.com" && login.pass=="123"){

// this.router.navigate(["home"]);

// }else {

// this.msg = "Failure try once again";

// }

}

}

**signup.component.html:**

<div>

<h2>Account Create</h2>

<form [formGroup]="loginRef" (ngSubmit)="createAccount()">

<label>EmailId</label>

<input type="email" formControlName="email"/><br/>

<label>Password</label>

<input type="password" formControlName="pass"/><br/>

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

<input type="reset" value="reset"/>

</form>

<br/>

<span style="color:red">{{msg}}</span>

<br/>

<a routerLink="signIn">Login In</a>

**Signup.component.ts:**

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

import {FormGroup,FormControl} from '@angular/forms';

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

import { Login } from '../login';

@Component({

selector: 'app-signup',

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

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

})

export class SignupComponent implements OnInit {

loginRef = new FormGroup({

email:new FormControl(),

pass:new FormControl()

})

msg:string =""

loginDetails:Array<Login>=[]

constructor() { }

ngOnInit(): void {

}

createAccount(){

let login = this.loginRef.value;

let l = {email:login.email,pass:login.pass}; // literal style object

let result = this.loginDetails.find(obj=>obj.email==l.email);

if(result==undefined){

this.loginDetails.push(l);

sessionStorage.setItem("loginInfo",JSON.stringify(this.loginDetails)); //

this.msg = "Account Created successsfully";

} else {

this.msg = "Email Id must be unqiue";

}

this.loginRef.reset();

}

}

**App-routing.module.ts:**

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

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

import { AboutUsComponent } from './about-us/about-us.component';

import { ContactUsComponent } from './contact-us/contact-us.component';

import { DashboardComponent } from './dashboard/dashboard.component';

import { FeedbackComponent } from './feedback/feedback.component';

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

import { SignupComponent } from './signup/signup.component';

// we have to write navigation rules

// http://localhost:4200

const routes: Routes = [

{path:"aboutus",component:AboutUsComponent},

{path:"contactus",component:ContactUsComponent},

{path:"feedback",component:FeedbackComponent},

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

{path:"home",component:DashboardComponent},

{path:"login/signUp",component:SignupComponent},

{path:"login/signUp/signIn",component:LoginComponent}

];

@NgModule({

imports: [RouterModule.forRoot(routes)],

exports: [RouterModule]

})

export class AppRoutingModule { }

**app.component.html:**

<div>

<h2>myPortfolio</h2>

<a routerLink="aboutus">About Us</a> |

<a routerLink="contactus">Contact Us</a> |

<a routerLink="feedback">Feedback</a> |

<a routerLink="login">Login</a> |

<hr/>

<router-outlet></router-outlet>

</div>

**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 { AboutUsComponent } from './about-us/about-us.component';

import { ContactUsComponent } from './contact-us/contact-us.component';

import { FeedbackComponent } from './feedback/feedback.component';

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

import { SignupComponent } from './signup/signup.component';

import { DashboardComponent } from './dashboard/dashboard.component';

import {ReactiveFormsModule} from '@angular/forms'

@NgModule({

declarations: [

AppComponent,

AboutUsComponent,

ContactUsComponent,

FeedbackComponent,

LoginComponent,

SignupComponent,

DashboardComponent

],

imports: [

BrowserModule,

AppRoutingModule,ReactiveFormsModule

],

providers: [],

bootstrap: [AppComponent]

})

export class AppModule { }

**login.spec.ts:**

import { Login } from './login';

describe('Login', () => {

it('should create an instance', () => {

expect(new Login()).toBeTruthy();

});

});

login.ts:

export class Login {

constructor(public email:string,public pass:string){}

}