**Source Code**

# **Registration Form**

## **Registration-form.component.ts**

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

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

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

@Component({

  selector: 'app-register-form',

  templateUrl: './register-form.component.html',

  styleUrls: ['./register-form.component.css']

})

export class RegisterFormComponent implements OnInit {

  //form group variables declaration

  registerForm:FormGroup;

  submitted:boolean=false;

  //formbuilder dependency injection

  constructor(private builder: FormBuilder, private router: Router) { }

  ngOnInit(): void {

    this.registerForm=this.builder.group({

      fName: ["",Validators.required],

      lName: ["",Validators.required],

      email: ["", [Validators.required, Validators.email]],

      password: ["", [Validators.required,Validators.minLength(8)]]

    });

  }

  onSubmit(){

    this.submitted=true;

    if(this.registerForm.invalid)

      return;

    else

      alert("Registration successful! Please Login.");

  }

  get f(){

    return this.registerForm.controls;

  }

}

## **Registration-form.component.html**

<div class="jumbotron">

    <div class="container">

        <div class="row">

            <div class="col-md-6 offset-md-3">

                <h3>Registration Form</h3>

                <form [formGroup]="registerForm" (ngSubmit)="onSubmit()">

                    <div class="form-group">

                        <label>First Name: </label>

                        <input type="text" formControlName="fName" class="form-control" [ngClass]="{'in-invalid': submitted && f['fName'].errors}">

                    </div>

                    <!-- custom first name validator -->

                    <div \*ngIf="submitted && f['fName'].errors">

                        <div \*ngIf="submitted && f['fName'].errors['required']">

                            <i style="color: red;">First Name can't be empty!</i>

                        </div>

                    </div>

                    <!-- ------------------------------------------------------ -->

                    <div class="form-group">

                        <label>Last Name: </label>

                        <input type="text" formControlName="lName" class="form-control" [ngClass]="{'in-invalid': submitted && f['lName'].errors}">

                    </div>

                    <!-- custom last name validator -->

                    <div \*ngIf="submitted && f['lName'].errors">

                        <div \*ngIf="submitted && f['lName'].errors['required']">

                            <i style="color: red;">Last Name can't be empty!</i>

                        </div>

                    </div>

                    <!-- ------------------------------------------------------ -->

                    <div class="form-group">

                        <label>Email: </label>

                        <input type="email" formControlName="email" class="form-control" [ngClass]="{'in-invalid': submitted && f['email'].errors}">

                    </div>

                    <!-- custom email validator -->

                    <div \*ngIf="submitted && f['email'].errors">

                        <div \*ngIf="submitted && f['email'].errors['required']">

                            <i style="color: red;">Email can't be empty!</i>

                        </div>

                    </div>

                    <!-- ------------------------------------------------------ -->

                    <div class="form-group">

                        <label>Password: </label>

                        <input type="password" formControlName="password" class="form-control" [ngClass]="{'in-invalid': submitted && f['password'].errors}">

                    </div>

                    <!-- custom first name validator -->

                    <div \*ngIf="submitted && f['password'].errors">

                        <div \*ngIf="submitted && f['password'].errors['required']">

                            <i style="color: red;">Password can't be empty!</i>

                        </div>

                    </div>

                    <div class="form-group">

                        <button class="btn btn-primary">Register</button>

                    </div>

                </form>

            </div>

        </div>

    </div>

</div>

# **Login Form**

## **Login-form.component.ts**

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

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

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

@Component({

  selector: 'app-login-form',

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

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

})

export class LoginFormComponent implements OnInit {

  //form group variables declaration

  registerForm: FormGroup;

  submitted:boolean = false;

  //form builder dependency injection

  constructor(private builder: FormBuilder, private router: Router) { }

  ngOnInit(): void {

    this.registerForm=this.builder.group({

      fullName: ["", Validators.required],

      password: ["", [Validators.required, Validators.minLength(8)]]

    });

  }

  onSubmit(){

    this.submitted=true;

    if(this.registerForm.invalid)

      return;

    else

      return this.registerForm.controls;

  }

  gotoPortfolio(){

    this.router.navigateByUrl('/portfolio');

  }

  get f(){

    return this.registerForm.controls;

  }

}

## **Login-form.component.html**

<div class="jumbotron">

    <div class="container">

        <div class="row">

            <div class="col-md-6 offset-md-3">

                <h3>Login Form</h3>

                <form [formGroup]="registerForm" (ngSubmit)="onSubmit()">

                    <div class="form-group">

                        <label>Full Name: </label>

                        <input type="text" formControlName="fullName" class="form-control" [ngClass]="{'in-invalid': submitted && f['fullName'].errors}">

                    </div>

                    <!-- ------------------------------------------------------ -->

                    <div class="form-group">

                        <label>Password: </label>

                        <input type="password" formControlName="password" class="form-control" [ngClass]="{'in-invalid': submitted && f['password'].errors}">

                    </div>

                    <div class="form-group">

                        <button class="btn btn-primary" (click)="gotoPortfolio()">Login</button>

                    </div>

                </form>

            </div>

        </div>

    </div>

</div>

# **Portfolio**

## **Portfolio.component.ts**

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

@Component({

  selector: 'app-portfolio',

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

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

})

export class PortfolioComponent implements OnInit {

  constructor() { }

  ngOnInit(): void {

  }

}

## **Portfolio.component.html**

<section class="h-100 gradient-custom-2">

  <div class="container py-5 h-100">

    <div class="row d-flex justify-content-center align-items-center h-100">

      <div class="col col-lg-9 col-xl-7">

        <div class="card">

          <div class="rounded-top text-white d-flex flex-row" style="background-color: #000; height:200px;">

            <div class="ms-4 mt-5 d-flex flex-column" style="width: 150px;">

              <img src="https://mdbcdn.b-cdn.net/img/Photos/new-templates/bootstrap-profiles/avatar-1.webp"

                alt="Generic placeholder image" class="img-fluid img-thumbnail mt-4 mb-2"

                style="width: 150px; z-index: 1">

            </div>

            <div class="ms-3" style="margin-top: 130px;">

              <h5 style="padding-left: 5px;">Abdullah Ismail Ansari</h5>

              <p style="padding-left: 5px;">U.P. East</p>

            </div>

          </div>

          <div class="p-4 text-black" style="background-color: #f8f9fa;">

            <div class="d-flex justify-content-end text-center py-1">

              <div>

                <p class="mb-1 h5">253</p>

                <p class="small text-muted mb-0">Photos</p>

              </div>

              <div class="px-3">

                <p class="mb-1 h5">1026</p>

                <p class="small text-muted mb-0">Followers</p>

              </div>

              <div>

                <p class="mb-1 h5">478</p>

                <p class="small text-muted mb-0">Following</p>

              </div>

            </div>

          </div>

          <div class="card-body p-4 text-black">

            <div class="mb-5">

              <p class="lead fw-normal mb-1">About</p>

              <div class="p-4" style="background-color: #f8f9fa;">

                <p class="font-italic mb-1">Web Developer</p>

                <p class="font-italic mb-1">Lives in U.P. East</p>

                <p class="font-italic mb-0">Photographer</p>

              </div>

            </div>

            <div class="d-flex justify-content-between align-items-center mb-4">

              <p class="lead fw-normal mb-0">Recent photos</p>

              <p class="mb-0"><a href="#!" class="text-muted">Show all</a></p>

            </div>

            <div class="row g-2">

              <div class="col mb-2">

                <img src="https://mdbcdn.b-cdn.net/img/Photos/Lightbox/Original/img%20(112).webp"

                  alt="image 1" class="w-100 rounded-3">

              </div>

              <div class="col mb-2">

                <img src="https://mdbcdn.b-cdn.net/img/Photos/Lightbox/Original/img%20(107).webp"

                  alt="image 1" class="w-100 rounded-3">

              </div>

            </div>

            <div class="row g-2">

              <div class="col">

                <img src="https://mdbcdn.b-cdn.net/img/Photos/Lightbox/Original/img%20(108).webp"

                  alt="image 1" class="w-100 rounded-3">

              </div>

              <div class="col">

                <img src="https://mdbcdn.b-cdn.net/img/Photos/Lightbox/Original/img%20(114).webp"

                  alt="image 1" class="w-100 rounded-3">

              </div>

            </div>

          </div>

        </div>

      </div>

    </div>

  </div>

</section>

# **App Routing Module**

## **App-routing-module.ts**

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

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

import { LoginFormComponent } from './login-form/login-form.component';

import { PortfolioComponent } from './portfolio/portfolio.component';

import { RegisterFormComponent } from './register-form/register-form.component';

const routes: Routes = [

  {"path":'',"pathMatch":"full","redirectTo":"register"},

  {"path":"register", component:RegisterFormComponent},

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

  {"path":"portfolio", component:PortfolioComponent}

];

@NgModule({

  imports: [RouterModule.forRoot(routes)],

  exports: [RouterModule]

})

export class AppRoutingModule { }

## **app.component.ts**

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

@Component({

  selector: 'app-root',

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

  styleUrls: ['./app.component.css']

})

export class AppComponent {

  title = 'myPortfolio';

}

## **app.component.html**

<div class="container">

  <ul class="nav">

    <li class="nav-item">

      <a class="nav-link" routerLink="register">Register Form</a>

    </li>

    <li class="nav-item">

      <a class="nav-link" routerLink="login">Login Form</a>

    </li>

    <li class="nav-item">

      <a class="nav-link" routerLink="portfolio">Portfolio</a>

    </li>

  </ul>

</div>

<router-outlet></router-outlet>

## **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 { RegisterFormComponent } from './register-form/register-form.component';

import { LoginFormComponent } from './login-form/login-form.component';

import { PortfolioComponent } from './portfolio/portfolio.component';

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

@NgModule({

  declarations: [

    AppComponent,

    RegisterFormComponent,

    LoginFormComponent,

    PortfolioComponent,

  ],

  imports: [

    BrowserModule,

    AppRoutingModule,

    ReactiveFormsModule,

    FormsModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

## **index.html**

<!doctype html>

<html lang="en">

<head>

  <meta charset="utf-8">

  <title>MyPortfolio</title>

  <base href="/">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <link rel="icon" type="image/x-icon" href="favicon.ico">

  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css" integrity="sha384-zCbKRCUGaJDkqS1kPbPd7TveP5iyJE0EjAuZQTgFLD2ylzuqKfdKlfG/eSrtxUkn" crossorigin="anonymous">

</head>

<body>

  <app-root></app-root>

  <script src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>

  <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js" integrity="sha384-fQybjgWLrvvRgtW6bFlB7jaZrFsaBXjsOMm/tB9LTS58ONXgqbR9W8oWht/amnpF" crossorigin="anonymous"></script>

</body>

</html>