**Code:**

1. **Login.component.html**

<div style="width: 100%; display: flex; flex-direction: column; justify-content: center; align-items: center; padding-top: 5%; ">

<form (submit)="onSubmit()" id="loginForm" style="display: flex; flex-direction: column; width: 28%;">

<div class="dataContainer">

<label>Email :</label>

<input id="loginemail" name="email" type="email" [(ngModel)]="userData.email">

</div>

<div class="dataContainer">

<label>Password :</label>

<input id="loginpassword" name="password" type="password" [(ngModel)]="userData.password">

</div>

<div class="dataContainer" style="gap:25px;margin-top: 20px; display: flex;flex-direction: row;">

<button id="submit" >Submit</button>

<button (click)="Register()" >Register</button>

</div>

<p style="text-align: center; color: red">{{message}}</p>

</form**>**

</div>

1. **login.component.ts**

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

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

@Component({

selector: 'app-login',

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

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

})

export class LoginComponent {

userData = {

email: '',

password: '',

};

message = "";

constructor(private router: Router) {

}

Register () {

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

}

onSubmit(){

var user = JSON.parse(localStorage.getItem("user")||"{}");

this.userData.email = (<HTMLInputElement>document.getElementById("loginemail")).value;

this.userData.password = (<HTMLInputElement>document.getElementById("loginpassword")).value;

if((this.userData.email===user.email) && (this.userData.password===user.password)){

this.message = "Login Successful!!";

alert(this.message);

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

}

else{

this.message = "Invalid User";

}

}

}

1. **profile.component.html**

<div style="

width: 100%; display: flex; flex-direction: column; justify-content: center; align-items: flex-start; padding-top: 10%; padding-left: 40%;">

<div style="border: 3px solid black;padding: 25px;">

<h1 style="color: red;font-size: 30px;">Your Information</h1>

<p>Name: {{userData.name}}</p>

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

</div>

</div>

1. **profile.component.ts**

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

@Component({

selector: 'app-profile',

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

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

})

export class ProfileComponent {

userData = {

name: '',

email: '',

password: '',

};

constructor(){

var user = JSON.parse(localStorage.getItem("user")||"{}");

this.userData.name = user.name;

this.userData.email = user.email;

this.userData.password = user.password;

}

}

1. **register.component.html**

<div style="width: 100%; display: flex; flex-direction: column; justify-content: center; align-items: center; padding-top: 5%; ">

<form (submit)="onSubmit()" id="registrationForm" style="display: flex; flex-direction: column; width: 28%;">

<div class="dataContainer">

<label>Name :</label>

<input id="name" name="name" type="text" [(ngModel)]="userData.name">

</div>

<div class="dataContainer">

<label>Email :</label>

<input id="email" name="email" type="email" [(ngModel)]="userData.email">

</div>

<div class="dataContainer">

<label>Password :</label>

<input id="password" name="password" type="password" [(ngModel)]="userData.password">

</div>

<div class="dataContainer" style="gap:25px;margin-top: 20px; display: flex;flex-direction: row;">

<button id="submit" >Register</button>

<button (click)="Login()" >Login</button>

</div>

</form>

</div>

1. **register.component.spec.ts**

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

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

@Component({

selector: 'app-register',

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

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

})

export class RegisterComponent {

userData = {

name: '',

email: '',

password: '',

age: '',

dob: '',

city: '',

pincode: ''

};

constructor(private router: Router) {

}

Login () {

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

}

onSubmit(){

this.userData.name = (<HTMLInputElement>document.getElementById("name")).value;

this.userData.email = (<HTMLInputElement>document.getElementById("email")).value;

this.userData.password = (<HTMLInputElement>document.getElementById("password")).value;

localStorage.setItem("user", JSON.stringify(this.userData));

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

}

}

1. **app-routing.module.ts**

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

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

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

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

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

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

const routes: Routes = [

{ path: '', component: LoginComponent },

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

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

{ path: 'profile', component: ProfileComponent }

];

@NgModule({

imports: [RouterModule.forRoot(routes)],

exports: [RouterModule]

})

export class AppRoutingModule { }

1. **app.component.html.**

<router-outlet></router-outlet>

1. **app.component.spec.ts**

import { TestBed } from '@angular/core/testing';

import { RouterTestingModule } from '@angular/router/testing';

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

describe('AppComponent', () => {

beforeEach(() => TestBed.configureTestingModule({

imports: [RouterTestingModule],

declarations: [AppComponent]

}));

it('should create the app', () => {

const fixture = TestBed.createComponent(AppComponent);

const app = fixture.componentInstance;

expect(app).toBeTruthy();

});

it(`should have as title 'angular'`, () => {

const fixture = TestBed.createComponent(AppComponent);

const app = fixture.componentInstance;

expect(app.title).toEqual('angular');

});

it('should render title', () => {

const fixture = TestBed.createComponent(AppComponent);

fixture.detectChanges();

const compiled = fixture.nativeElement as HTMLElement;

expect(compiled.querySelector('.content span')?.textContent).toContain('angular app is running!');

});

1. **app.component.ts**

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

@Component({

selector: 'app-root',

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

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

})

export class AppComponent {

title = 'Login';

}

1. **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 { RegisterComponent } from './register/register.component';

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

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

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

@NgModule({

declarations: [

AppComponent,

RegisterComponent,

LoginComponent,

ProfileComponent

],

imports: [

BrowserModule,

AppRoutingModule,

FormsModule

],

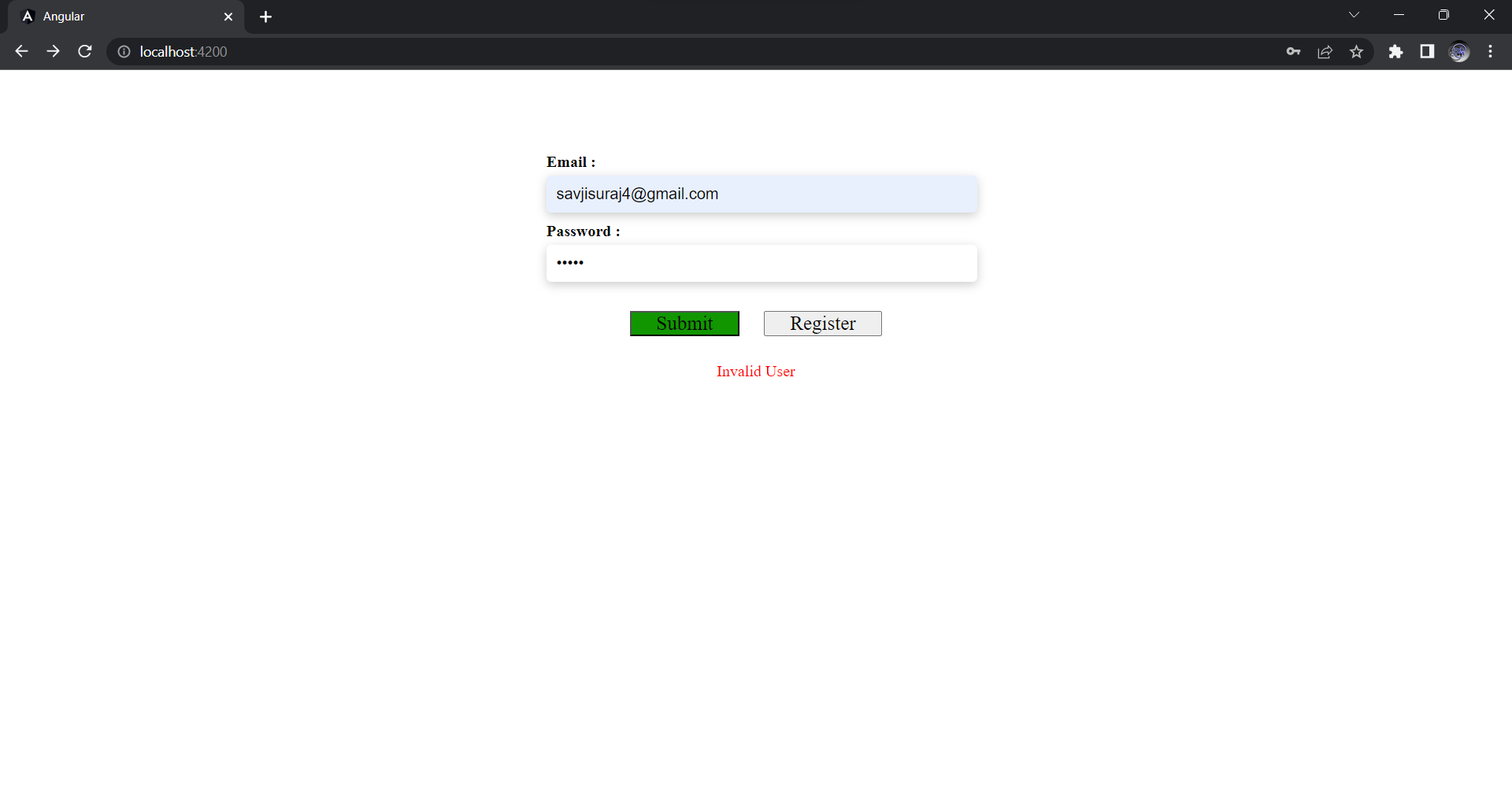
providers: [],

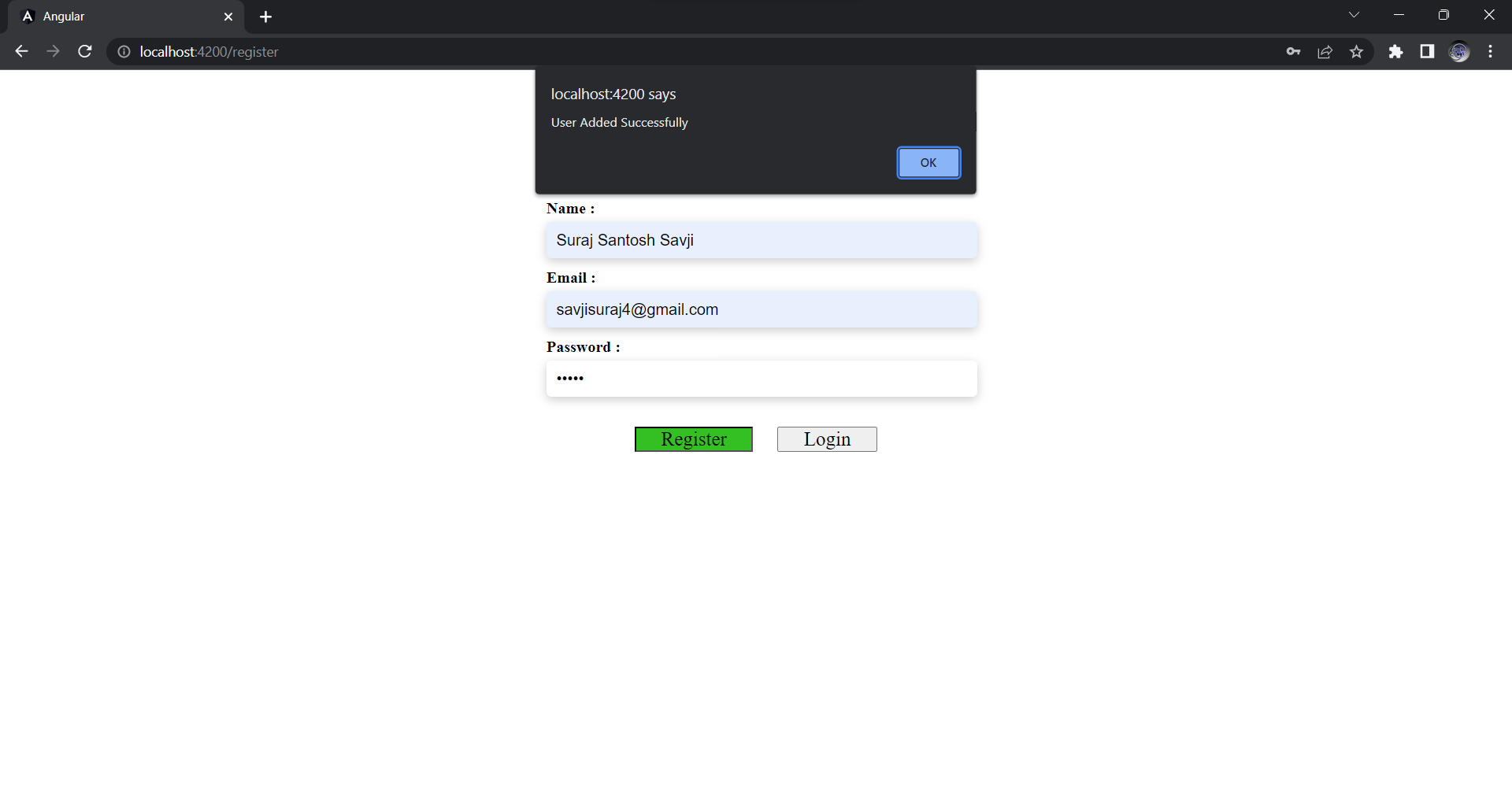
bootstrap: [AppComponent]

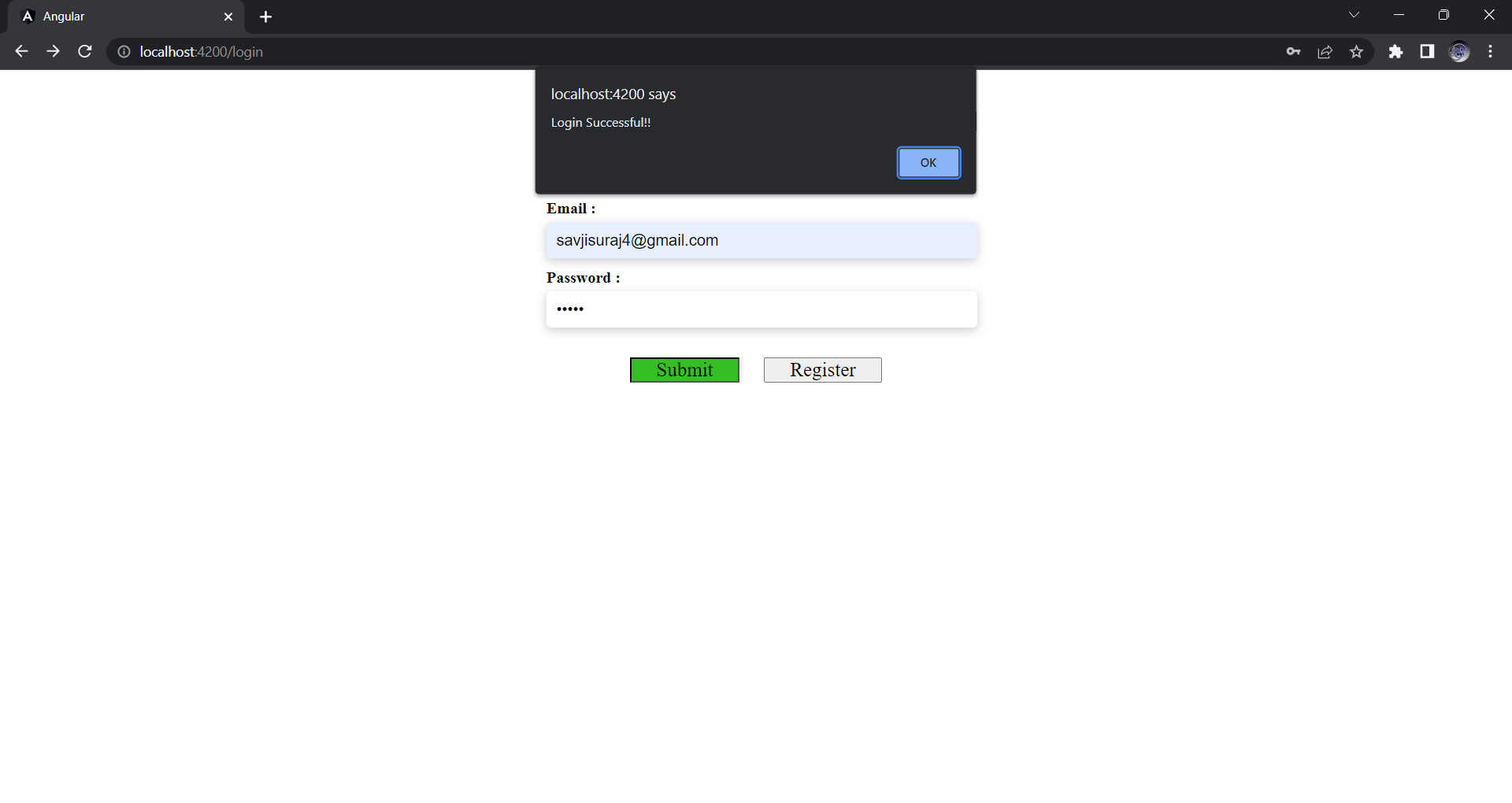
})

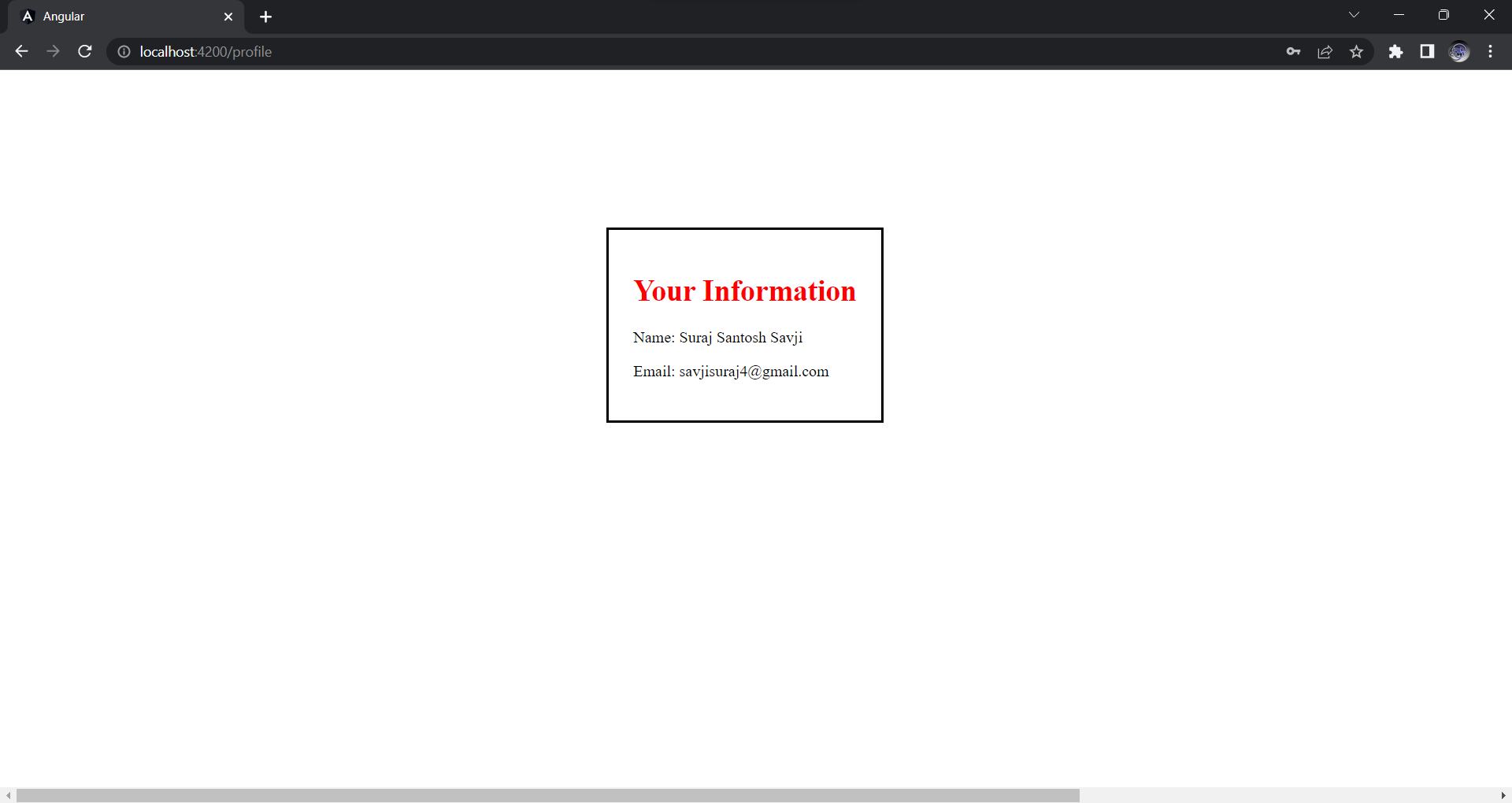
export class AppModule { }

**OUTPUT:**

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