Angular Js

App/pages/

layout/

layout.component.html

```html
<form class="d">

  <h5><b style="color: green;">User name :
</b>{{loggedUser?.name}}</h5>    

  <h5><b style="color: green;">User email :
</b>{{loggedUser?.email}}</h5>    <br>

  <button class="btn btn-primary" type="button" (click)="onLogoff()">Log out</button>

</form>

<router-outlet></router-outlet>
```

layout.component.css

```css
.d{

   margin-top: 10%;

   width: 100%;

   text-align: center;

}
```

layout.component.spec.ts

```typescript
import { ComponentFixture, TestBed } from '@angular/core/testing';


import { LayoutComponent } from './layout.component';


describe('LayoutComponent', () => {

 let component: LayoutComponent;

 let fixture: ComponentFixture<LayoutComponent>;
```

```typescript
  beforeEach(async () => {
    await TestBed.configureTestingModule({
      declarations: [LayoutComponent]
    })
    .compileComponents();


    fixture = TestBed.createComponent(LayoutComponent);
    component = fixture.componentInstance;
    fixture.detectChanges();
  });


  it('should create', () => {
    expect(component).toBeTruthy();
  });
});
```

layout.component.ts

```typescript
import { Component } from '@angular/core';
import { Router } from '@angular/router';


@Component({
  selector: 'app-layout',
  templateUrl: './layout.component.html',
  styleUrl: './layout.component.css'
})
export class LayoutComponent {


  loggedUser: any;
```

```
constructor(private router: Router) {

 const localUser = localStorage.getItem('loggedUser');

 if(localUser != null) {

  this.loggedUser = JSON.parse(localUser);

 }

}


 onLogoff() {

  localStorage.removeItem('loggedUser');

  this.router.navigateByUrl('/login')

 }

}
```

loginsignup/

login.component.html

```
<div class="parent">

  <div class="container" [ngClass]="isSignDivVisiable ? 'active' :'' " id="container">

    <div class="form-container sign-up" >

      <form>

        <h1>Create Account</h1>

        <span>or use your email for registeration</span><br><br>

        <input type="text" name="name" [(ngModel)]="signUpObj.name" placeholder="Name"><br><br>

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

        <input type="password" name="password"  [(ngModel)]="signUpObj.password" placeholder="Password"><br><br>

        <button (click)="onRegister()">Sign Up</button>

      </form>

    </div><br><br><br><br><br>

    <div class="form-container sign-in" >
```

```html
        <form>

            <h1>Sign In</h1>

            <span>or use your email password</span><br><br>

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

            <input type="password" name="password"   [(ngModel)]="loginObj.password"
placeholder="Password"><br><br>

            <button (click)="onLogin()">Sign In</button>

            <a href="#" style="padding: 10px;">Forget Your Password?</a>

        </form>

    </div><br><br><br><br>

  </div>

</div>
```

login.component.css

```css
.sign-in{

    padding: 100px;

    margin-top: 20%;

    margin-left: 20px;

    background: whitesmoke;

    filter: drop-shadow(2,2,2,black);

}
.sign-up{

    padding: 100px;

    margin-top: 20%;

    margin-right: 20px;

    background: whitesmoke;

    filter: drop-shadow(2,2,2,black);

}
input{
```

```css
  border: 1px solid black;

  border-radius: 5px;

  padding: 10px;

}

h1{

  width: 100px;

}
```

login.component.spec.ts

```typescript
import { ComponentFixture, TestBed } from '@angular/core/testing';

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

describe('LoginComponent', () => {

 let component: LoginComponent;

 let fixture: ComponentFixture<LoginComponent>;


 beforeEach(async () => {

  await TestBed.configureTestingModule({

   declarations: [LoginComponent]

  })

  .compileComponents();


  fixture = TestBed.createComponent(LoginComponent);

  component = fixture.componentInstance;

  fixture.detectChanges();

 });


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

  expect(component).toBeTruthy();

 });

});
```

login.component.ts

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

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


@Component({

  selector: 'app-login',

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

  styleUrl: './login.component.css'

})

export class LoginComponent {

  isSignDivVisiable: boolean  = true;

  signUpObj: SignUpModel  = new SignUpModel();

  loginObj: LoginModel  = new LoginModel();

  constructor(private router: Router){}

  onRegister() {

    debugger;

    const localUser = localStorage.getItem('angular17users');

    if(localUser != null) {

      const users =  JSON.parse(localUser);

      users.push(this.signUpObj);

      localStorage.setItem('angular17users', JSON.stringify(users))

    } else {

      const users = [];

      users.push(this.signUpObj);

      localStorage.setItem('angular17users', JSON.stringify(users))

    }

    alert('Registration Success')

  }

  onLogin() {
```

```typescript
    debugger;

    const localUsers =  localStorage.getItem('angular17users');

    if(localUsers != null) {

      const users =  JSON.parse(localUsers)

      const isUserPresent =  users.find( (user:SignUpModel)=> user.email ==
this.loginObj.email && user.password == this.loginObj.password);

      if(isUserPresent != undefined) {

        alert("User Found...");

        localStorage.setItem('loggedUser', JSON.stringify(isUserPresent));

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

      } else {

        alert("No User Found")

      }

    }

  }

}

export class SignUpModel {

  name: string;

  email: string;

  password: string;

  constructor() {

    this.email = "";

    this.name = "";

    this.password= ""

  }

}

export class LoginModel {

  email: string;

  password: string;

  constructor() {
```

```
    this.email = "";

    this.password= ""

  }

}
```

App/

app.module.ts

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

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

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

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

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

import { LayoutComponent } from './pages/layout/layout.component';

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


@NgModule({
  declarations: [

    AppComponent,

    LoginComponent,

    LayoutComponent,

  ],

  imports: [

    BrowserModule,

    AppRoutingModule,

    FormsModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})
export class AppModule { }
```

app.component.html

```html
<router-outlet></router-outlet>
```

app-routing.module.ts

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

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

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

import { LayoutComponent } from './pages/layout/layout.component';


const routes: Routes = [
 {
   path:'',
   redirectTo : 'login',
   pathMatch:'full'
 },
 {
   path:'login',
   component: LoginComponent
 },
 {
   path:'',
   component: LayoutComponent,
 }
];
@NgModule({
 imports: [RouterModule.forRoot(routes)],
 exports: [RouterModule]
})
export class AppRoutingModule { }
```