**SOURCE CODE:**

**Contact.html**

<ion-header>

<ion-navbar>

<ion-title>

Search Application

</ion-title>

</ion-navbar>

</ion-header>

<ion-content padding class="bg">

<div>

<ion-list>

<ion-item>

<ion-label floating>Knowledge Search</ion-label>

<ion-input type = "text"[(ngModel)]="searchWord" id = searchWord></ion-input>

</ion-item>

</ion-list>

<button ion-button (click)="getKnowledgeGraph()">Search</button>

</div>

<div class="panel panel-default" \*ngIf="searchName != null" >

<div class="panel-heading" style="color:white;"><b>Knowledge Results:</b></div>

<div class="panel-body">

<div class="list-group-item clearfix">

<div class="pull-left">

<h4 class="list-group-item-heading">Name: {{ searchName }}</h4>

<h4 class="list-group-item-heading">Description: {{ searchdesc }}g</h4>

<h4 class="list-group-item-heading">URL: {{ searchUrl }}g</h4>

</div>

</div>

</div>

</div>

<div>

<ion-list>

<ion-item>

<ion-label floating>Images</ion-label>

<ion-input type = "text"[(ngModel)]="searchImg" id = searchImg></ion-input>

</ion-item>

</ion-list>

<button ion-button (click)="getSearchedImages()">SearchImage</button>

</div>

<div class="panel panel-default" \*ngIf="ImageBoo!=null">

<div class="panel-heading" style="color:white"><b>Search Results for {{searchImg}}:</b></div>

<div class="panel-body">

<div \*ngFor="let search of searchData" class="list-group-item clearfix">

<div class="pull-left">

<h5 class="list-group-item-heading">{{ search.name }}</h5>

</div>

<span class="pull-right">

<img src="{{ search.link }}" width="50" height="50">

</span>

</div>

</div>

</div>

</ion-content>

**Contact.ts**

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

import { NavController } from 'ionic-angular';

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

@Component({

selector: 'page-contact',

templateUrl: 'contact.html'

})

export class ContactPage {

searchImg : any;

searchData = [];

searchWord: any;

searchName: any;

searchUrl: any;

ImageBoo: any;

private searchdesc: any;

constructor(public navCtrl: NavController, private http:HttpClient) {

}

getKnowledgeGraph(){

console.log(this.searchWord);

this.http.get('https://kgsearch.googleapis.com/v1/entities:search?query=' + this.searchWord +

'&key=AIzaSyBVDjswXIJzRT-hUMRB56IqPCmBXVmwuZw&limit=1&indent=True').subscribe((data: any)=>{

console.log(data);

this.searchName = data.itemListElement[0].result.name;

this.searchdesc = data.itemListElement[0].result.description;

this.searchUrl = data.itemListElement[0].result.detailedDescription.url;

});

}

getSearchedImages(){

console.log(this.searchImg);

this.http.get('https://www.googleapis.com/customsearch/v1?q=' + this.searchImg +

'&key=AIzaSyBVDjswXIJzRT-hUMRB56IqPCmBXVmwuZw&imgSize=medium&searchType=image&fileType=jpg&cx=005069354886028579975:vpkirx0dbmp').subscribe((data: any)=>{

for (let i = 0; i < data.items.length; i++) {

this.searchData[i] = {

name: data.items[i].title,

link: data.items[i].link

};

this.ImageBoo = data.items.length;

}

})

}

}

**Home.html**

<ion-header>

<ion-navbar>

<ion-title>Login</ion-title>

</ion-navbar>

</ion-header>

<ion-content padding="40%" class="bg">

<ion-list>

<ion-item>

<ion-label floating class ="login">Username</ion-label>

<ion-input type ="text"[(ngModel)]="username" id = input></ion-input>

</ion-item>

<ion-item>

<ion-label floating>Password</ion-label>

<ion-input type = "password"[(ngModel)]="pwd" id = password></ion-input>

</ion-item>

</ion-list>

<div align="center">

<button ion-button (click)="LoginIn()">Log-In</button>

<button ion-button (click)="signup()">Sign-Up</button>

</div>

<!-- <div>-->

<!-- <ion-list>-->

<!-- <ion-item>-->

<!-- <ion-label floating>SearchContent</ion-label>-->

<!-- <ion-input type = "text"[(ngModel)]="searchWord" id = searchWord></ion-input>-->

<!-- </ion-item>-->

<!-- </ion-list>-->

<!-- <button ion-button (click)="getKnowledgeGraph()">Search</button>-->

<!-- </div>-->

<!-- <div>-->

<!-- <ion-list>-->

<!-- <ion-item>-->

<!-- <ion-label floating>Images</ion-label>-->

<!-- <ion-input type = "text"[(ngModel)]="searchImg" id = searchImg></ion-input>-->

<!-- </ion-item>-->

<!-- </ion-list>-->

<!-- <button ion-button (click)="getSearchedImages()">SearchImage</button>-->

<!-- </div>-->

</ion-content>

**Home.ts**

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

import {NavController, AlertController} from 'ionic-angular';

import {AboutPage} from "../register/about";

import {ContactPage} from "../dash/contact";

@Component({

selector: 'page-home',

templateUrl: 'home.html'

})

export class HomePage {

username: String;

pwd: String;

constructor(public navControl: NavController, public alertControl: AlertController) {

}

LoginIn() {

var user = localStorage.getItem('name');

var pwd = localStorage.getItem('password');

if(this.username == user && this.pwd == pwd) {

var alert = this.alertControl.create({

title: "Successful",

subTitle: "Login Successful",

buttons: [ {

text: 'Ok',

handler: () => {

this.navControl.push(ContactPage);

}

}]

});

alert.present();

}else{

let alert = this.alertControl.create({

title:"Cannot Login",

subTitle: "Enter valid Username or Password",

buttons:['Close']

});

alert.present();

}

}

signup(){

this.navControl.push(AboutPage);

}

}

**About.html**

<ion-header>

<ion-navbar>

<ion-title>

Sign-Up

</ion-title>

</ion-navbar>

</ion-header>

<ion-content padding class="bg">

<ion-list>

<ion-item>

<ion-label floating>FirstName</ion-label>

<ion-input type ="text"[(ngModel)]="firstName" id = firstName></ion-input>

</ion-item>

<ion-item>

<ion-label floating>LastName</ion-label>

<ion-input type ="text"[(ngModel)]="lastName" id = lastName></ion-input>

</ion-item>

<ion-item>

<ion-label floating>Email</ion-label>

<ion-input type ="Email" [(ngModel)]="email" id = email></ion-input>

</ion-item>

<ion-item>

<ion-label floating>Password</ion-label>

<ion-input type = "password"[(ngModel)]="password" id = password></ion-input>

</ion-item>

</ion-list>

<div padding align="center">

<button ion-button (click)="Signup()">Sign-Up</button>

</div>

</ion-content>

**About.ts**

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

import {AlertController, NavController} from 'ionic-angular';

import {HomePage} from "../login/home";

@Component({

selector: 'page-about',

templateUrl: 'about.html'

})

export class AboutPage {

firstName: any;

password: any;

lastName: any;

email: any;

constructor(public navCtrl: NavController, public alertCtrl: AlertController) {

}

Signup() {

if (this.firstName == undefined || this.lastName == undefined || this.password == undefined || this.email == undefined) {

this.alertCtrl.create({

title: "InValid SignUp",

message: "Enter valid data in fields",

buttons: ['ok']

});

} else {

localStorage.setItem("name", this.email);

localStorage.setItem("password", this.password);

var alert\_ctrl = this.alertCtrl.create({

title: "Successful",

subTitle: "Registration Successful",

buttons: [ {

text: 'Ok',

handler: () => {

this.navCtrl.push(HomePage);

}

}]

});

alert\_ctrl.present();

}

}

}