<ion-header>  
 <ion-toolbar>  
 <div class="bar bar-header bar-calm">  
 <h1 class="title">Login</h1>  
 </div>  
 </ion-toolbar>  
</ion-header>  
  
<ion-content padding>  
  
 <ion-list>  
 <ion-item>  
 <ion-label>Username</ion-label>  
 <ion-input type="text" #username></ion-input>  
 </ion-item>  
 <ion-item>  
 <ion-label>Password</ion-label>  
 <ion-input type="password" #password></ion-input>  
 </ion-item>  
 </ion-list>  
  
 <div padding>  
 <button ion-button (click)="loginUser()" class="button button-block button-positive">  
 Sign In  
 </button>  
 </div>  
  
  
</ion-content>

**import** { Component } **from** '@angular/core';  
**import** { AlertController} **from** "ionic-angular";  
**import** { ViewChild } **from** "@angular/core";  
  
@Component({  
 selector: 'page-home',  
 templateUrl: 'home.html'  
})  
**export class** HomePage {  
  
 @ViewChild('username') username;  
 @ViewChild('password') password;  
 alert: **any**;  
  
 **constructor** (**public** alertCon: AlertController) {}  
  
 **async** loginUser() {  
 console.log(**this**.username.value);  
 console.log(**this**.password.value);  
  
 **if** (**this**.username.value === 'admin' && **this**.password.value === 'admin') {  
 console.log('admin');  
  
 **this**.alert = **await this**.alertCon.create({  
 title: 'Login Successful',  
 message: **this**.username.value + ' has been logged in.',  
 buttons: ['Ok']  
 });  
  
 }  
 **else** {  
 **this**.alert = **await this**.alertCon.create({  
 title: 'Login Failed',  
 message: 'Unable to login user.',  
 buttons: ['Ok']  
 });  
 }  
 **this**.alert.present();  
}  
}

<ion-header>  
 <ion-toolbar>  
 <ion-title>  
 Register  
 </ion-title>  
 </ion-toolbar>  
</ion-header>  
  
<ion-content padding>  
  
 <ion-list>  
 <ion-item>  
 <ion-label>Username</ion-label>  
 <ion-input type="text" #username></ion-input>  
 </ion-item>  
 <ion-item>  
 <ion-label>Email</ion-label>  
 <ion-input type="text" #emailAdd></ion-input>  
 </ion-item>  
 <ion-item>  
 <ion-label>Phone Number</ion-label>  
 <ion-input type="text" #pNumber></ion-input>  
 </ion-item>  
 <ion-item>  
 <ion-label>Password</ion-label>  
 <ion-input type="password" #password></ion-input>  
 </ion-item>  
 <ion-item>  
 <ion-label>Confirm Password</ion-label>  
 <ion-input type="password" #Cpassword></ion-input>  
 </ion-item>  
 </ion-list>  
  
 <div padding>  
 <button ion-button (click)="registerUser()" class="button button-block button-positive">  
 Register  
 </button>  
 </div>  
  
  
</ion-content>

**import** { Component } **from** '@angular/core';  
**import** { AlertController} **from** "ionic-angular";  
**import** { ViewChild } **from** "@angular/core";  
  
@Component({  
 selector: 'page-about',  
 templateUrl: 'about.html'  
})  
**export class** AboutPage {  
  
 **constructor**(**public** alertCon1: AlertController) {  
 }  
  
 @ViewChild('username') username;  
 @ViewChild('emailAdd') emailAdd;  
 @ViewChild('pNumber') phoneNumber;  
 @ViewChild('password') password;  
 @ViewChild('Cpassword') Cpassword;  
 alert: **any**;  
  
 **async** registerUser() {  
 **if** (**this**.username.value !== '' && **this**.emailAdd.value !== '' && **this**.phoneNumber.value !== '' && **this**.password.value !== '' &&  
 **this**.Cpassword.value !== '' && (**this**.password.value === **this**.Cpassword.value)) {  
 console.log(**this**.username.value);  
 console.log(**this**.emailAdd.value);  
 console.log(**this**.phoneNumber.value);  
 console.log(**this**.password.value);  
 console.log(**this**.Cpassword.value);  
  
 **this**.alert = **await this**.alertCon1.create({  
 title: 'New User Registered',  
 message: **this**.username.value + ' has been registered.',  
 buttons: ['Ok']  
 });  
  
 }  
 **else** {  
  
 **this**.alert = **await this**.alertCon1.create({  
 title: 'Registration Failed',  
 message: 'Failed to register new user',  
 buttons: ['Ok']  
 });  
  
 }  
 **this**.alert.present();  
  
 }  
}

<ion-header>  
 <ion-toolbar>  
 <ion-title>  
 Home  
 </ion-title>  
 </ion-toolbar>  
</ion-header>  
  
<ion-content padding>  
 <ion-item>  
 <ion-label>Search Term</ion-label>  
 <ion-input type="text" #searchTerm></ion-input>  
 </ion-item>  
  
 <div padding>  
 <button ion-button (click)="searchTerms()" class="button button-block button-positive">  
 Submit  
 </button>  
 </div>  
  
 <div class="content" *\*ngIf*="data" padding>  
 {{data.itemListElement[0].result.description}}<br><br>  
 {{data.itemListElement[0].result.detailedDescription.articleBody}}  
 </div>  
  
</ion-content>

**import** { Component } **from** '@angular/core';  
**import** { ViewChild } **from** "@angular/core";  
**import** { HttpClient } **from** "@angular/common/http";  
  
@Component({  
 selector: 'page-contact',  
 templateUrl: 'contact.html'  
})  
**export class** ContactPage {  
  
 @ViewChild('searchTerm') searchTerm;  
 data: **any**;  
 data1: **any**;  
  
 **constructor**(**private** http: HttpClient) {}  
  
 searchTerms() {  
  
 console.log(**this**.searchTerm.value);  
 **this**.http.get('https://kgsearch.googleapis.com/v1/entities:search?query=' + **this**.searchTerm.value +  
 '&key=AIzaSyBNOF-hKaRYwGGg781e9DEDhSv1YACMJWQ&limit=1&indent=True')  
 .subscribe((data) => {  
 **this**.data = data;  
 console.log(data);  
 });  
  
  
 **this**.http.jsonp('https://maps.googleapis.com/maps/api/place/findplacefromtext/json?input=Museum%20of%20Contemporary%20Art%20Australia&inputtype=textquery&fields=photos,formatted\_address,name,rating,opening\_hours,geometry&key=AIzaSyBD9PHtfL3lttjadyonL2t4NsRg0L6qPMo', 'callback')  
 .subscribe(data1 => {  
 **this**.data1 = data1;  
 console.log("ase");  
 console.log(data1);  
 });  
  
  
 }  
  
}