

Objective

Create an Ionic mobile app which includes a login, register, and home page. The home page should include two rest service api's. Also, included 3 unit tests for the project.

Features/Steps

The app features a login page which creates an alert for successful and unsuccessful logins:

Login

Username admin

Password

Sign In

Login Successful

admin has been logged in.

Ok



Login



Register



Home

Login

Username test

Password

Sign In

Login Failed

Unable to login user.

Ok



Login



Register



Home

Currently, the only validation is on admin as we will be including a database connection as part of lab5:

```
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();  
}
```

The registration page also includes alerts for successful and unsuccessful registration:

Username Brett

Email brett@brett.com

Phone Number 123-456-7890

Password

Confirm Password

New User Registered

Brett has been registered.

Ok



Login



Register



Home

Username Brett

Email brett@brett.com

Phone Number 123-456-7890

Password

Confirm Password

Registration Failed

Failed to register new user

Ok



Login



Register



Home

Again, minimal validation is performed, only a check on the fields to ensure they are not null and also that the two password fields match:

```
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.alertConl.create({
      title: 'New User Registered',
      message: this.username.value + ' has been registered.',
      buttons: ['Ok']
    });
  }
  else {
    this.alert = await this.alertConl.create({
      title: 'Registration Failed',
      message: 'Failed to register new user',
      buttons: ['Ok']
    });
  }
  this.alert.present();
}
```

Lastly, the home page includes api calls to Google Knowledge Graph Search and Google Places. Currently only Google Knowledge Graph Search is working:

Search Term Kansas City

Submit

Football team

The Kansas City Chiefs are a professional American football team based in Kansas City, Missouri. The Chiefs compete in the National Football League as a member club of the league's American Football Conference West division.



Login

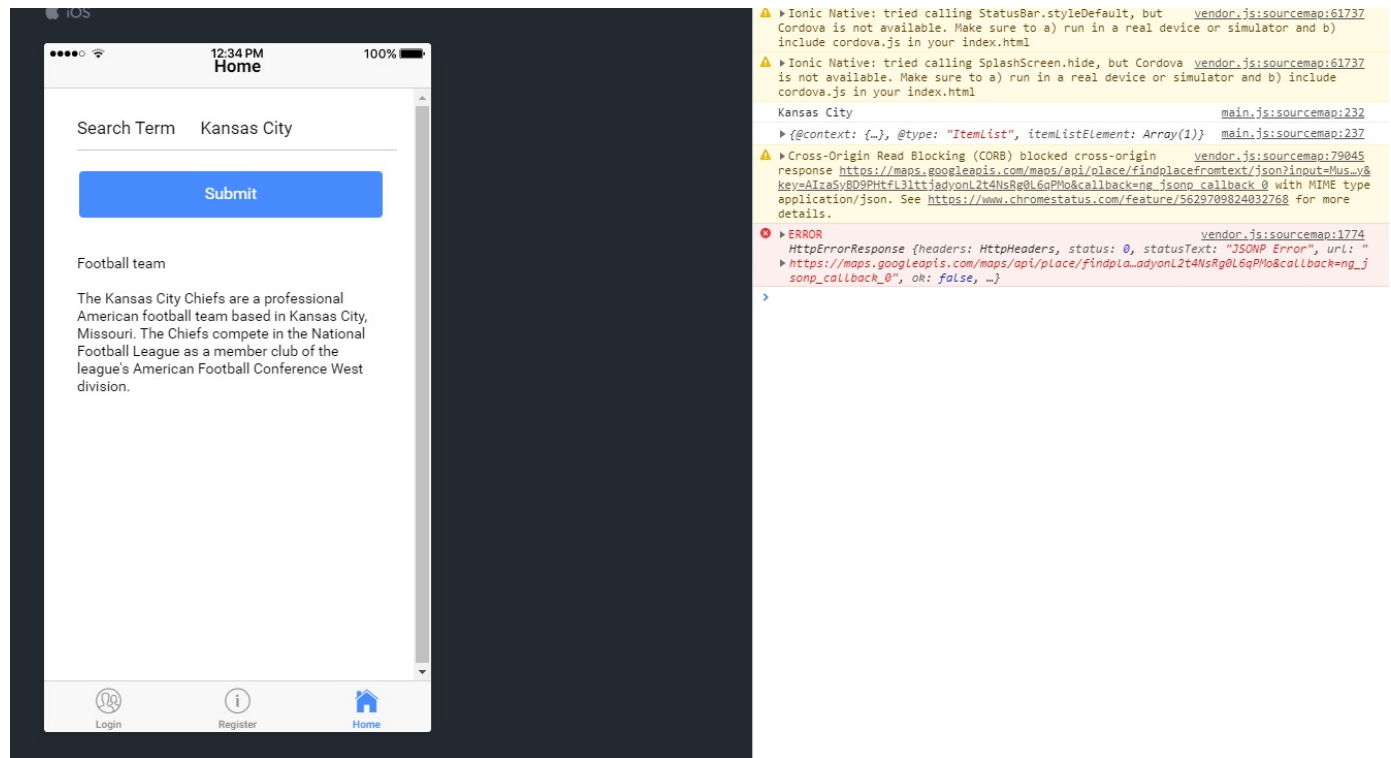


Register



Home

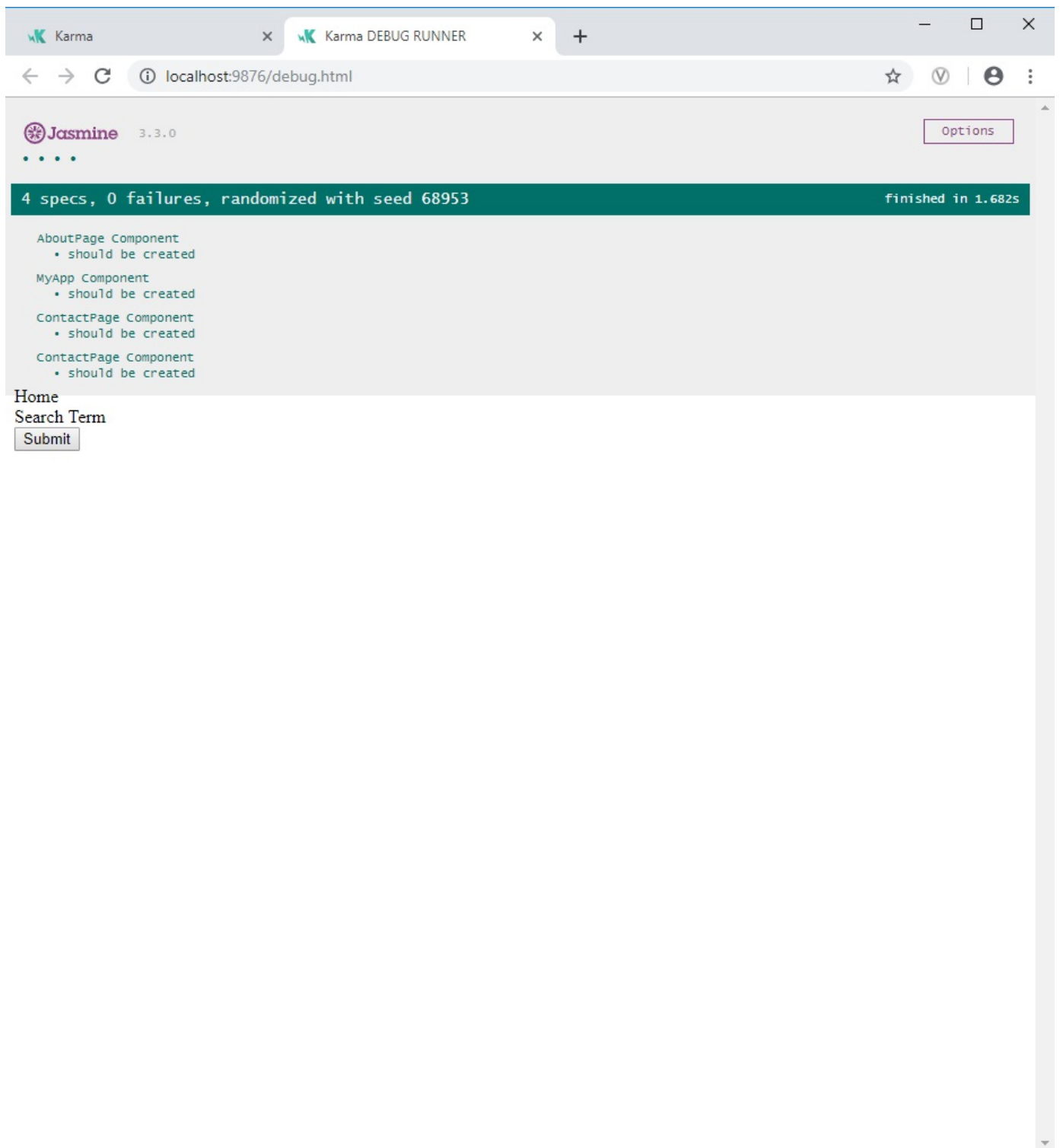
I emailed with Sirisha and Bhargavi and also attended office hours but we were unable to fix the CORB issue:



Also, the app includes unit tests for all components. Here is the unit test for the Register page:

```
about.component.spec.ts x
1 import { async, TestBed } from '@angular/core/testing';
2 import { IonicModule } from 'ionic-angular';
3
4 import { AboutPage } from './about';
5
6 describe('AboutPage Component', () => {
7   let fixture;
8   let component;
9
10  beforeEach(async( fn: () => {
11    TestBed.configureTestingModule( moduleDef: {
12      declarations: [AboutPage],
13      imports: [
14        IonicModule.forRoot(AboutPage)
15      ],
16      providers: [ ]
17    })
18  }));
19
20  beforeEach(() => {
21    fixture = TestBed.createComponent(AboutPage);
22    component = fixture.componentInstance;
23  });
24
25  it('should be created', () => {
26    expect(component instanceof AboutPage).toBe(true);
27  });
28
29
30
31 });
32
```

Lastly, the unit test output:



Limitations

There are limitations on the login and register page as we will be including a connection to the Firebase database as part of lab5. Also, as stated above, I was unable to determine a fix for the CORB issue.

References

Tutorial-4 source code (from class)

<https://www.w3schools.com/>

[https://www.youtube.com/watch?v=0jamhGf-](https://www.youtube.com/watch?v=0jamhGf-8ww&list=PLYxzS__5yYQljbuGjaeugpqs9U07gS5P5&index=1)

[8ww&list=PLYxzS__5yYQljbuGjaeugpqs9U07gS5P5&index=1](https://www.youtube.com/watch?v=0jamhGf-8ww&list=PLYxzS__5yYQljbuGjaeugpqs9U07gS5P5&index=1)