

# Students Information

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## Introduction

Lab exercise 4 aimed to create a mobile application using ionic. We had three parts to do. The first one was to create login and signup activities. Second, we used two services in our application. Finally, we had three unit test cases.

## Objectives

1- We made the home page as a login screen for using the app, and we created a new activity for the signup screen.

- Users should be able to sign up. ( we used localStorage for storing the data.
- We used the guard to control the routing, which means users cannot open the list activity in our project unless they signed in.

2- We signed in for Knowledge Graph Search API

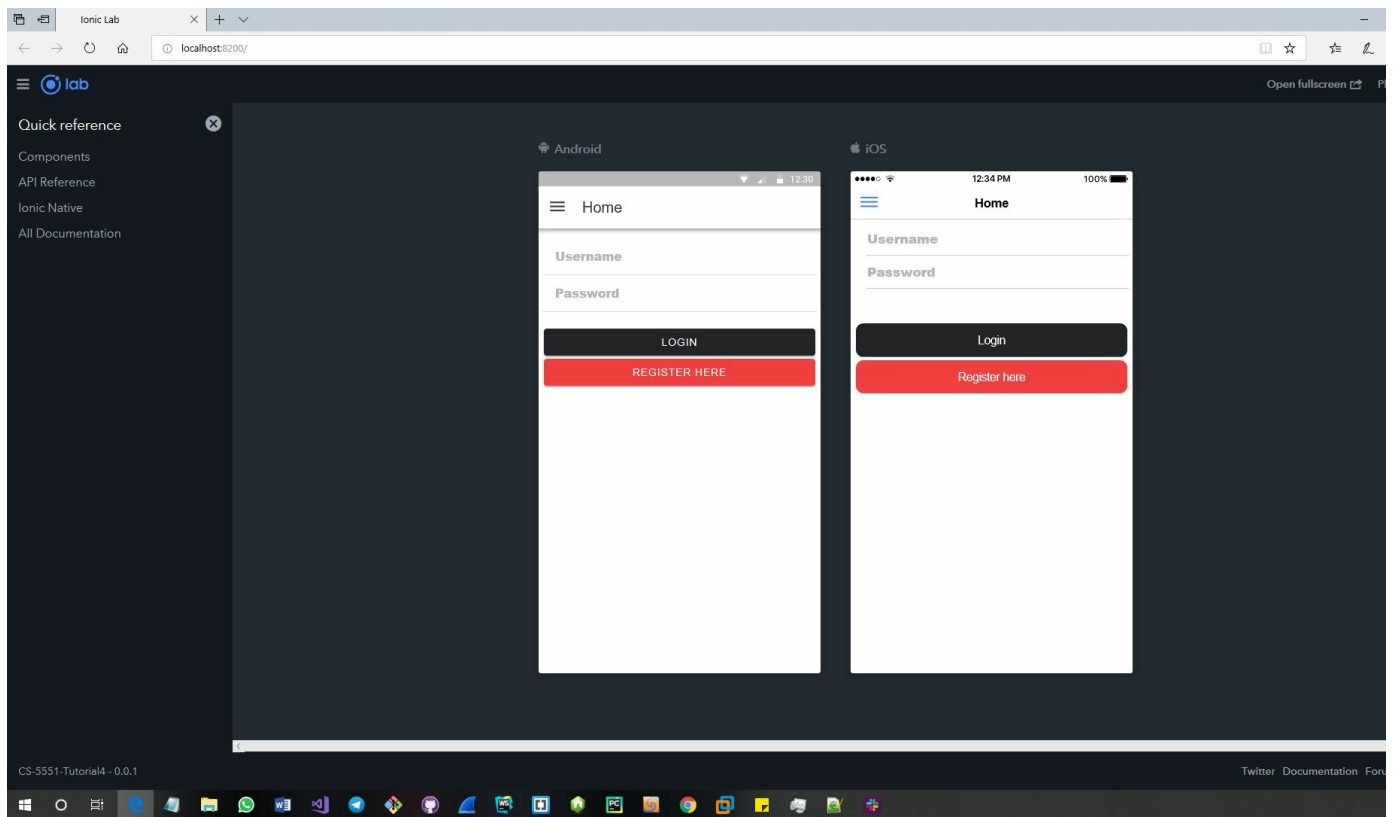
3- we created new activities for our services.

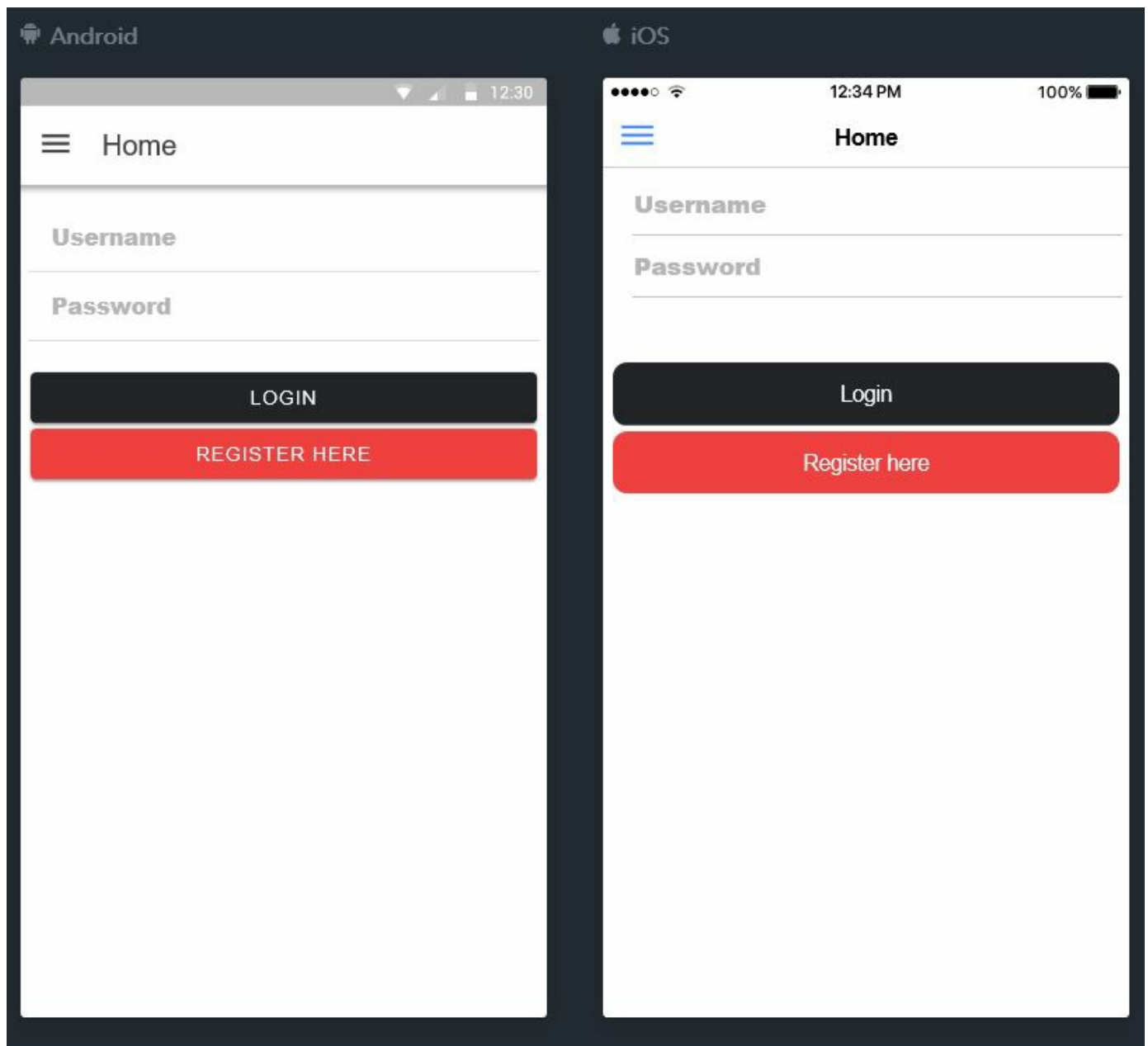
## Design/Implementation

```
$ ionic g Service auth
$ ionic g guard auth
$ ionic g page register
$ ionic g page service1
$ ionic g page service2
```

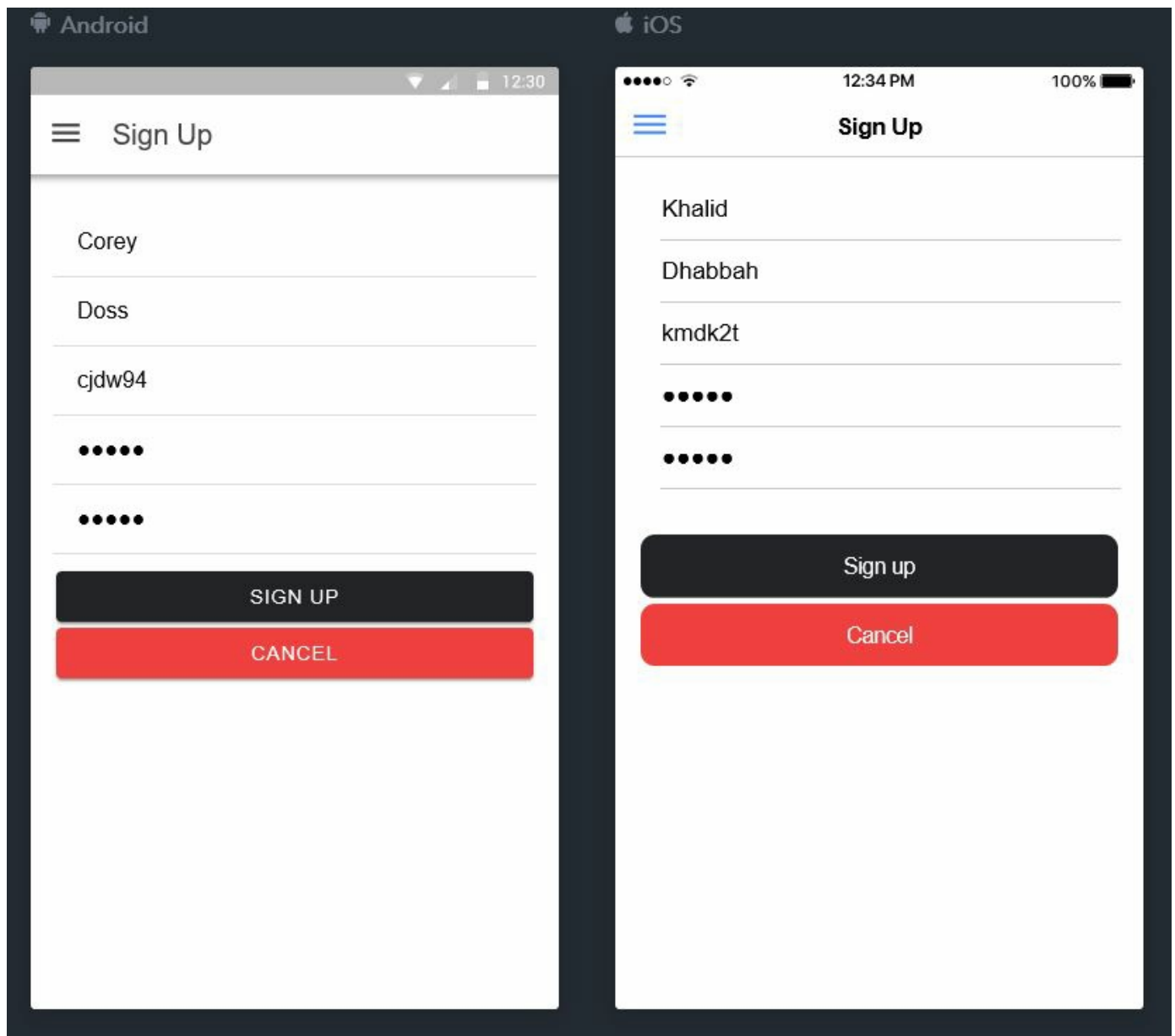
# Input

We used ionic Lab to test our project on multiple screen sizes.

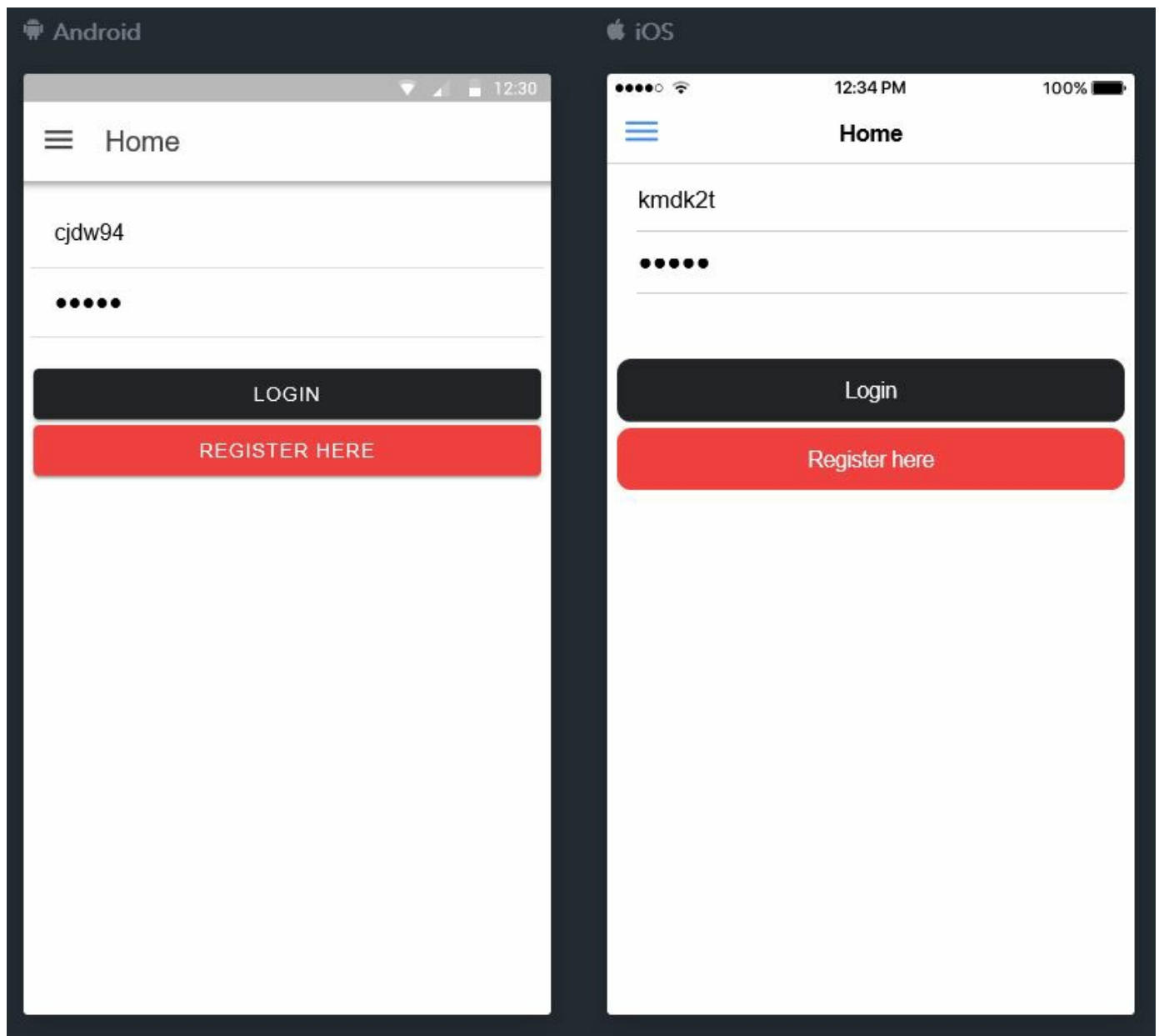




## Register Page Input

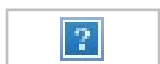


## Login Page Input



Once We signed in, we could access our services.

## Output of our Services.



### 1- Knowledge Graph Search service.

We used this service for typing a name such as Donald Trump, and then we could have something about him.

## Input



## Service 1

Donald

---

Trump

---

show

# Output





## Service 1

Donald

Trump

show

**Name:** Donald Trump

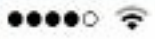
**Description:** 45th U.S. President



## 2- Weather service.

We used our previous service for getting information about the current weather statues.

### Input



12:34 PM

100%



## Service 2

MO

Kansas City

show

# Output




## Service 2

MO

Kansas City

show

**Name:** Kansas City, MO 

**Wind:** From the North at 7.4 MPH  
Gusting to 25.0 MPH

**Temperature:** 30.8 F : -0.7 C

Pressure:	29.76	Humidity:	83%
Time	12:00 AM	1:00 AM	2:00 AM
condition	Partly Cloudy	Partly Cloudy	Partly Cloudy
Feelslike	20	20	20
Temp	32.3	32.2	31.1

# Conclusion

This was the end of this lab. We installed all the requirements. Then we had our project worked just fine. There were minor issues like spaces, and we are still working on them.