

SEG2105: App Development Project

SEG 2105 - Introduction to Software Engineering

Fall: 2018

University of Ottawa

Course Coordinator: Miguel Garzon

Group: Anyone is Welcome

Mokhtar Zehrawi - 7308460

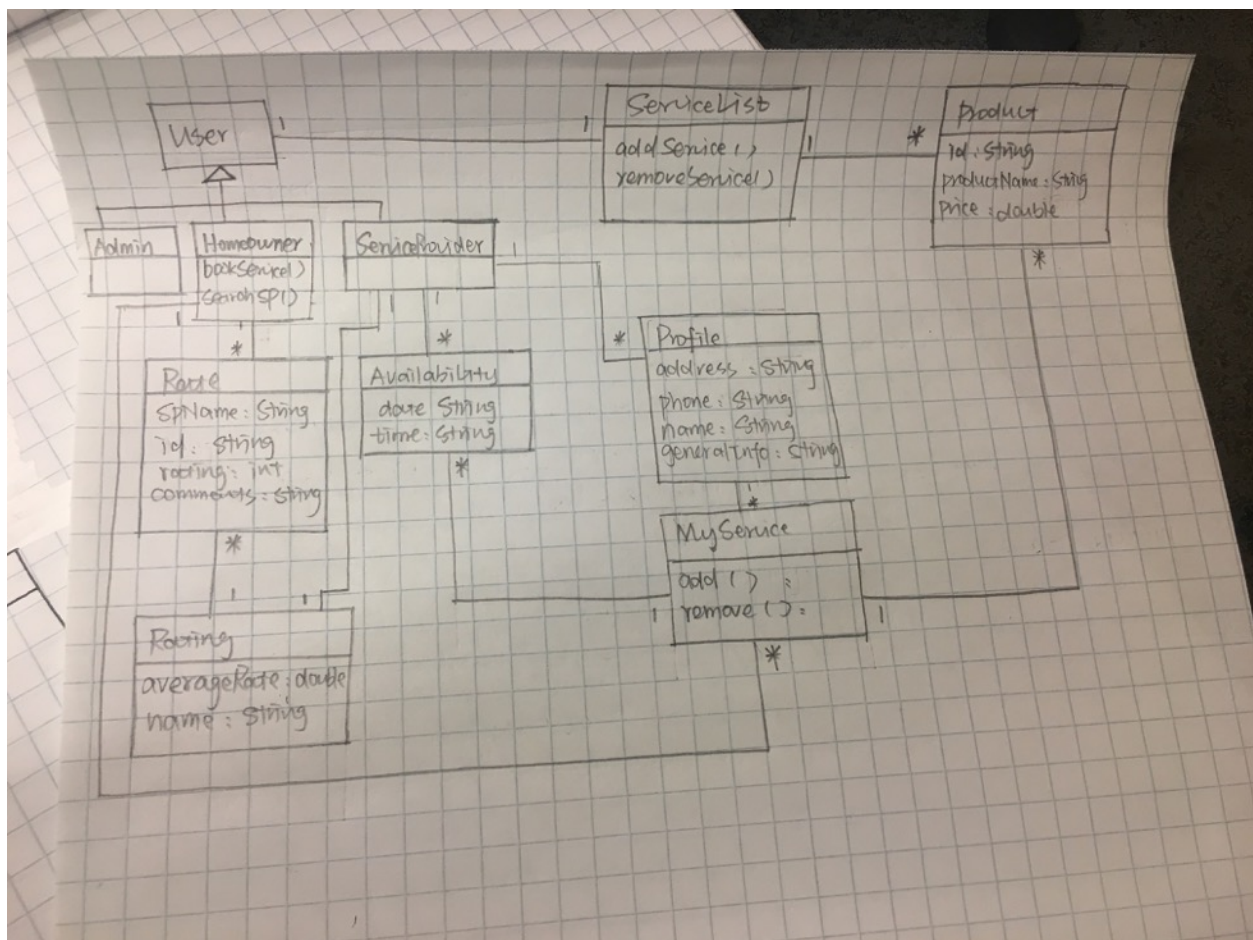
Riley DeDomenico - 300016694

Runnan Guo - 8533795

Introduction:

The presented issue of homeowner's needs for on-demand home services led to the creation of the "Android Project: On-Demand Home Repair Service App". The final product of this project is an implementation of all the components learned throughout the course, and utilized in a real world, group development setting.

UML Class Diagram:

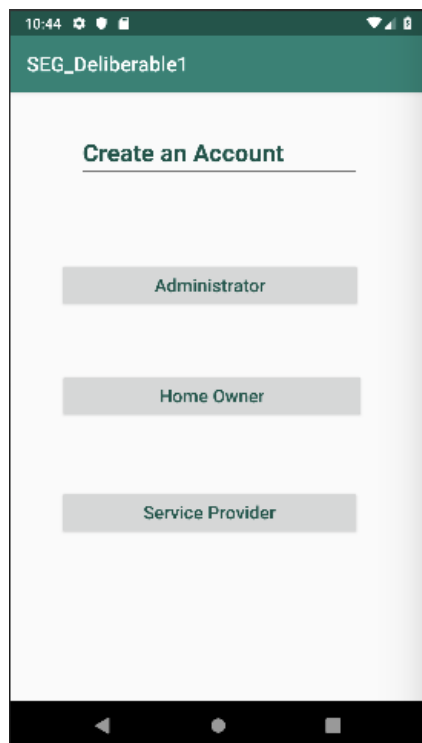


Roles and Contributions:

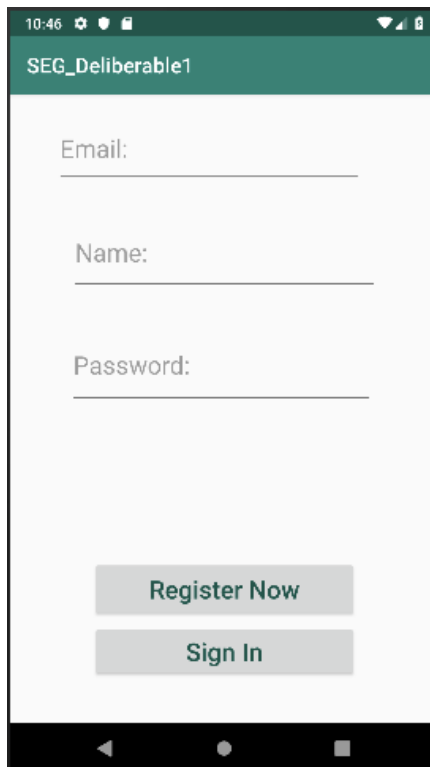
Name	Role	Contribution
Runnan Guo	Group Leader and Programming	Lead group in the project, help distribute roles, wrote part of the Final report, worked heavily on code throughout deliverable1,2,3 and 4.
Mokhtar Zehrawi	Programming	Rate and Rating part, uploaded multiple bug fixes and implemented some coding portions throughout deliverable2 and 4
Riley de Domenico	Documenting and Planning	Implemented small bug fixes in code, wrote part of the Final report, guided the planning of the presentation and its format

Screenshot of UI:

- *screenshot of the homepage*

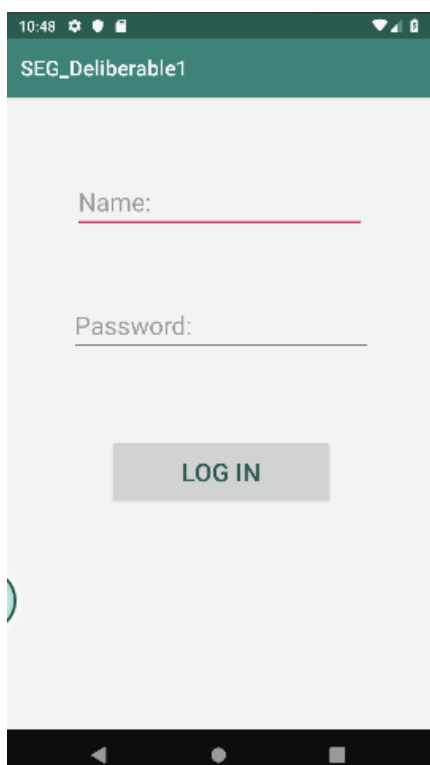


- *screenshot of the register page*



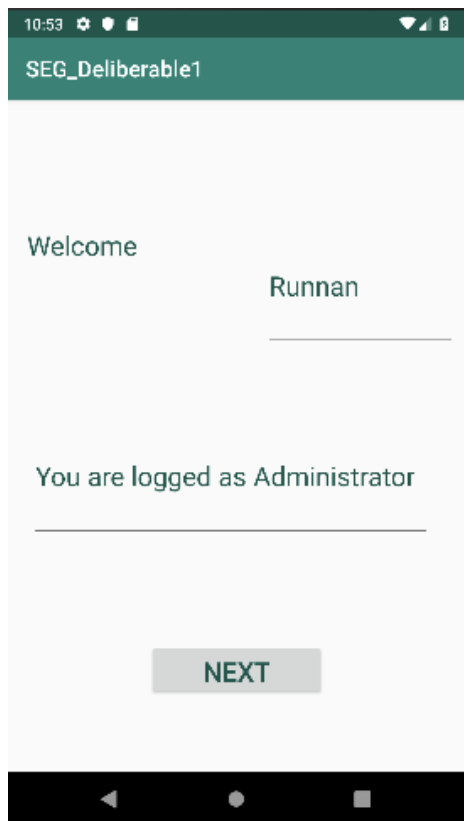
A screenshot of a mobile application's registration page. The page has a dark green header with the text "SEG_Deliberable1". Below the header, there are three input fields: "Email:", "Name:", and "Password:". Each field has a horizontal line for text entry. At the bottom of the form, there are two buttons: "Register Now" and "Sign In". The page is displayed on a black background, likely representing a mobile device screen.

- *screenshot of sign in*

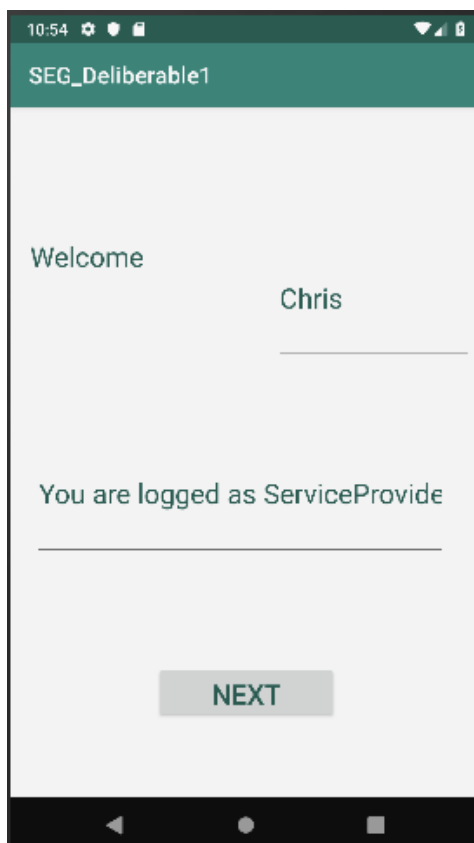


A screenshot of a mobile application's sign-in page. The page has a dark green header with the text "SEG_Deliberable1". Below the header, there are two input fields: "Name:" and "Password:". Each field has a horizontal line for text entry. At the bottom of the form, there is a single button labeled "LOG IN". The page is displayed on a black background, likely representing a mobile device screen.

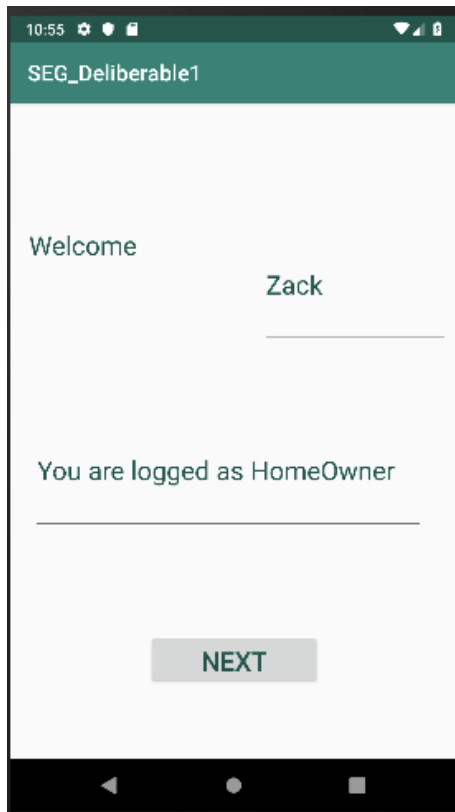
- *screenshot of Welcome page as an Admin:*



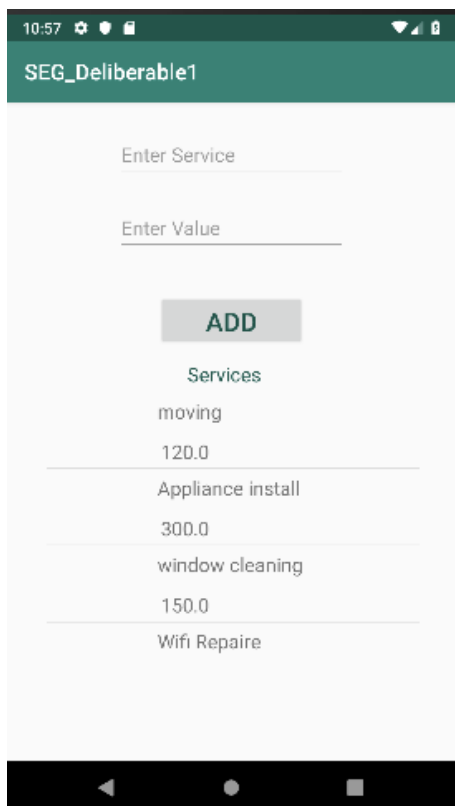
- *screenshot of Welcome page as a Service Provider:*



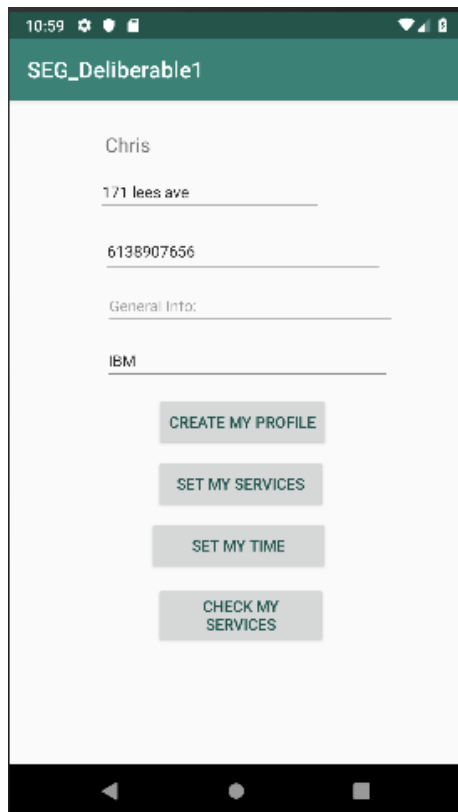
- *screenshot of Welcome page as a Home Owner:*



- *screenshot of Admin function page:*

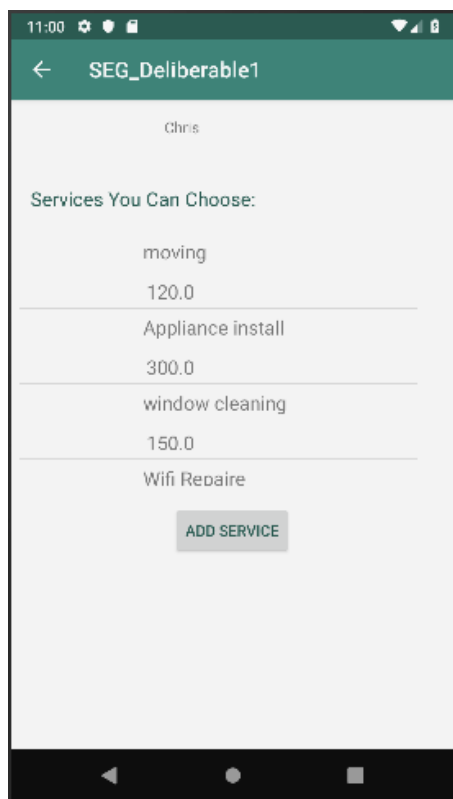


- *screenshot of Service Provider function page:*



A screenshot of a mobile application interface for a service provider. The top status bar shows the time 10:59 and various icons. The app's header is a dark green bar with the text "SEG_Deliberable1". The main content area is white and contains the following elements: the name "Chris" in a light gray font; a text input field with "171 lees ave"; another text input field with "6138907656"; a section header "General Info:" followed by a text input field containing "IBM"; and four gray buttons with white text stacked vertically: "CREATE MY PROFILE", "SET MY SERVICES", "SET MY TIME", and "CHECK MY SERVICES". The bottom of the screen shows the standard Android navigation bar.

- *screenshot of Service Provider SetServices page:*



A screenshot of a mobile application interface for a service provider's "SetServices" page. The top status bar shows the time 11:00. The app's header is a dark green bar with a back arrow icon and the text "SEG_Deliberable1". The main content area is white and contains the following elements: the name "Chris" in a light gray font; a section header "Services You Can Choose:"; a list of services with their prices, each in a light gray font and followed by a horizontal line: "moving" (120.0), "Appliance install" (300.0), "window cleaning" (150.0), and "Wifi Repaire"; and a gray button with white text "ADD SERVICE" at the bottom. The bottom of the screen shows the standard Android navigation bar.

- *screenshot of Service Provider SetAvailability page:*

11:01

← SEG_Deliberable1

Chris

Please Enter A Date

10:00to12:00

10:00to12:00 ▼

ADD

- *screenshot of Service Provider CheckServices&Availability page:*

11:02

← SEG_Deliberable1

Chris

My Services:

moving
0.0

window cleaning
0.0

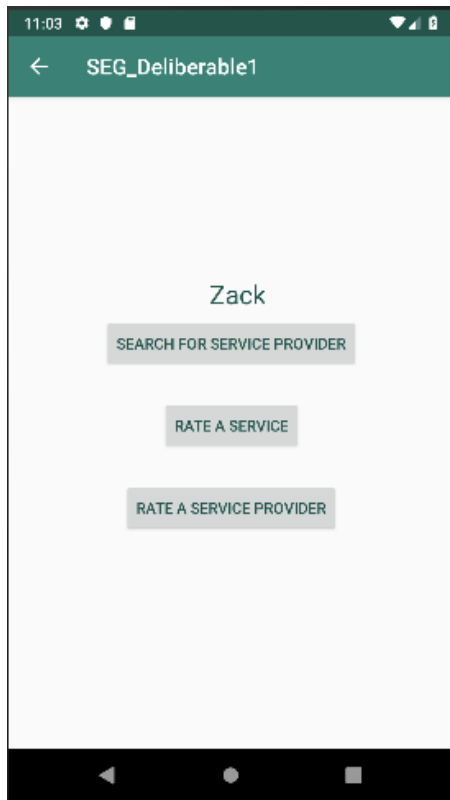
My Availability:

Monday
10:00to12:00

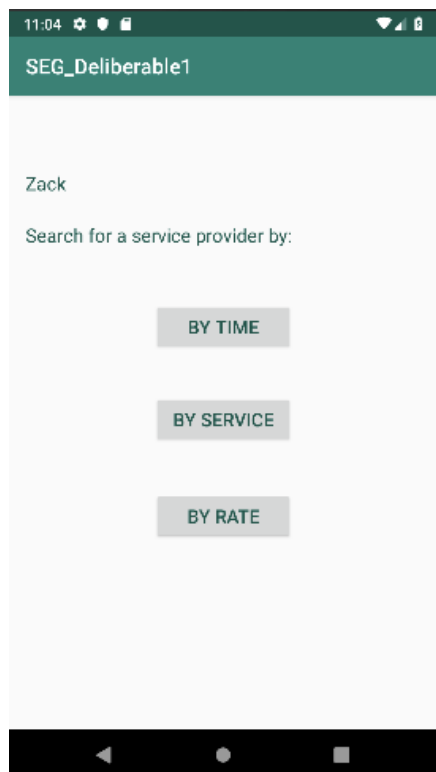
Friday
16:00to18:00

Friday

- *screenshot of Home Owner function page:*



- *screenshot of Home Owner SearchForServiceProvider page:*



- *screenshot of Home Owner SearchByTime page:*

11:05

SEG_Deliberable1

Zack

Please Enter A Day

10:00to12:00

10:00to12:00 ▼

SEARCH

- *screenshot of Home Owner BookServiceByTime page:*

11:07

SEG_Deliberable1

Zack

Monday

10:00to12:00

Available Service Providers:

BiuBiu

Chris

11:07

← SEG_Deliberable1

Zack

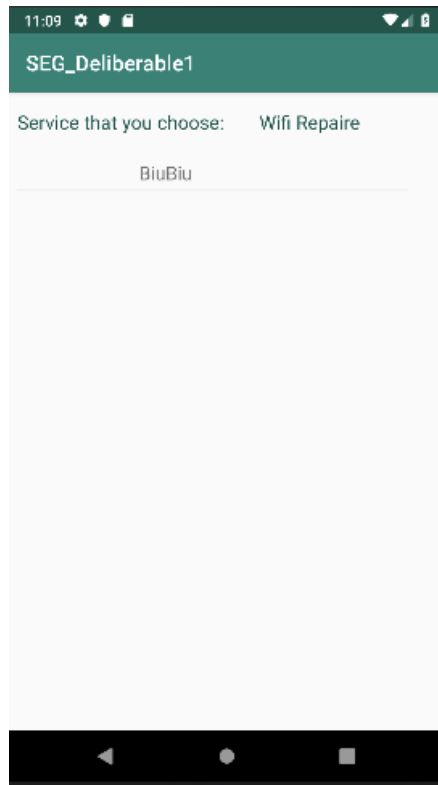
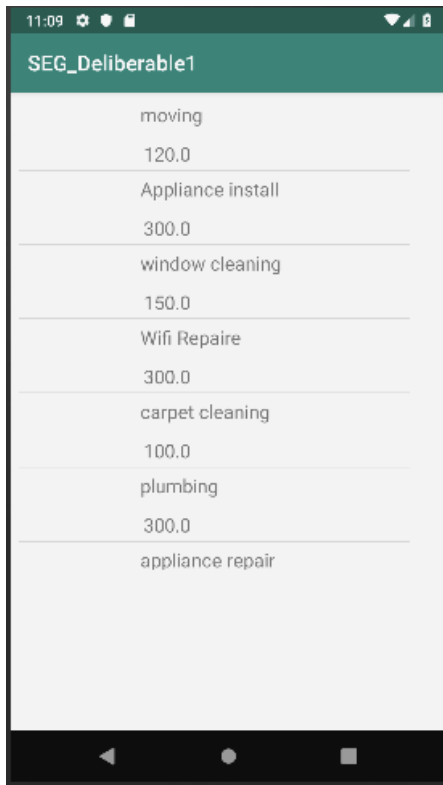
BiuBiu has these services:

Wifi Repaire

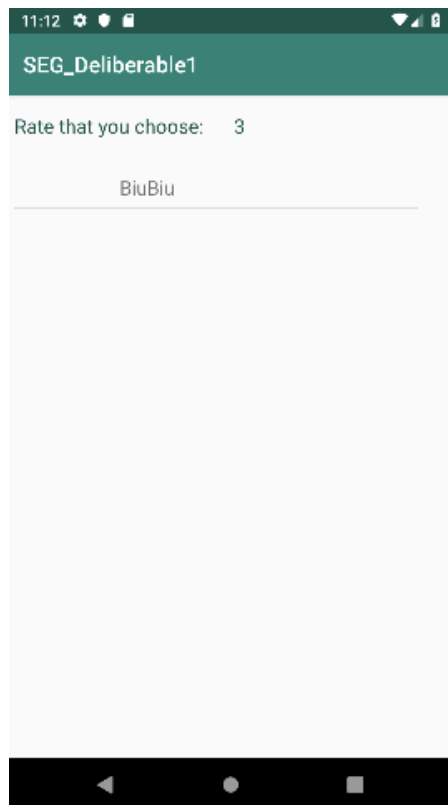
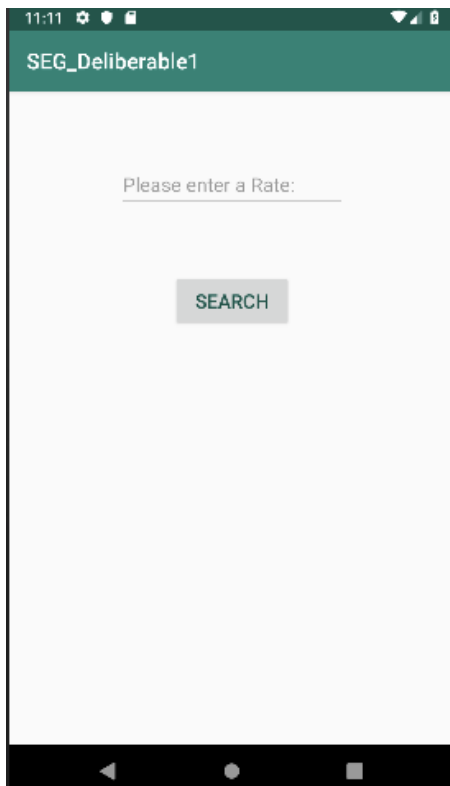
0.0

BOOK THIS SERVICE

- *screenshot of Home Owner SearchByService page:*



- *screenshot of Home Owner SearchByService page:*



- *screenshot of Home Owner RateAService page:*

11:17

SEG_Deliberable1

Zack

Rate: 1-5

comments

SUBMIT

Service

window cleaning

moving

- *screenshot of Home Owner RateAServiceProvider page:*

11:19

← SEG_Deliberable1

Zack

Rate: 1-5

comments

SUBMIT

Name

BiuBiu

Chris

Johnny

Conclusion:

To conclude the overall project, much was learned, not only about programming, but also about working on various different components of a development project. From the final project, our team learned lessons on group work, and how to work with different people and different workflow styles. This was mostly an issue when it came to deadlines as some group members preferred to do all the work right away, whereas others may have preferred to spread the work out more. Our group managed to find a successful method by utilizing communication to discern when and where work would be completed. As well, we have learned how to incorporate all of the theoretical lessons learned throughout the semester, and combine them into one final, and polished product. Such as the incorporation of the UML Class diagrams to help aid in OO visualization, as well as the incorporation of the firebase, so that data could be stored on a server that the client can access. Therefore, throughout this project, lessons were both learned about group work, as were lessons learned about the implementation of theoretical aspects learned in class.