

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

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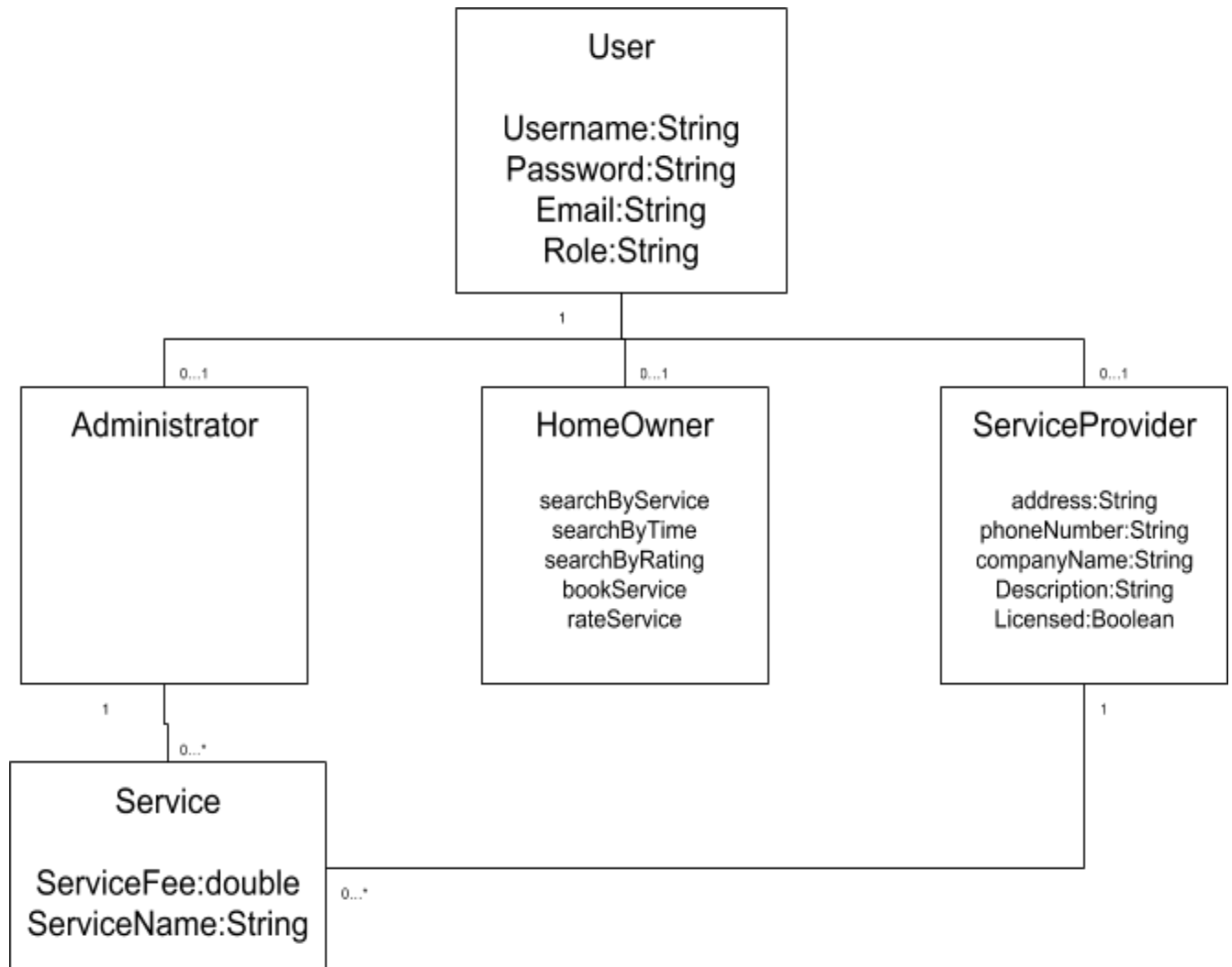
Runnan Guo - 8533795

Submission Date -December 5, 2018

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 Services 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:

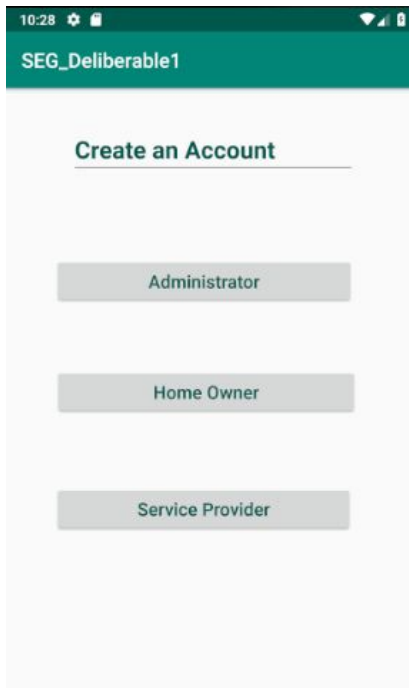


Roles and Contributions:

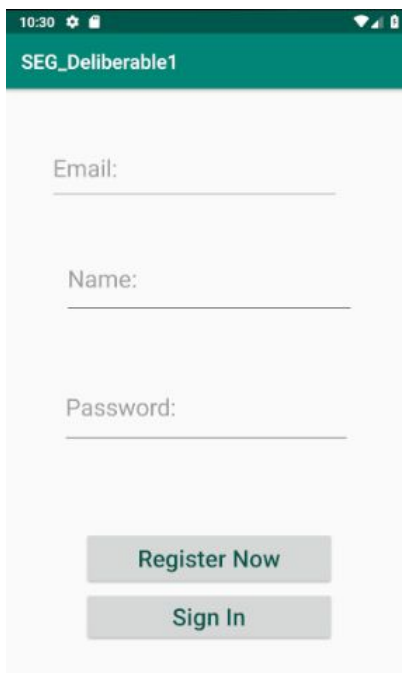
| Name | Role | Contributions |
|-------------------|--------------------------|---|
| Runnan Guo | Group Leader | Lead group in project, help distribute roles, worked heavily on code throughout deliverable 1,2, 3 and 4, worked |
| Mokhtar Zehrawi | Programming | Rate and Rating part, uploaded multiple bug fixes and implemented various coding portions throughout deliverable 2,3 and 4 |
| Riley de Domenico | Documentation & Planning | Implemented small bug fixes in code, created UML Diagrams, wrote Final report, guided the planning of the presentation and its format |

Screenshots:

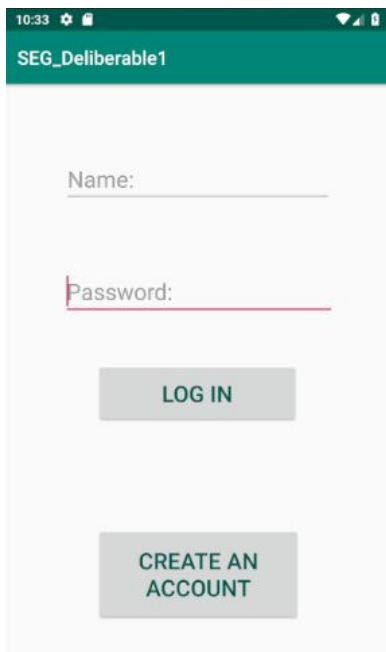
Screenshot of the homescreen



Screenshot of the register page



Screenshot of the sign in page



10:33

SEG_Deliberable1

Name:

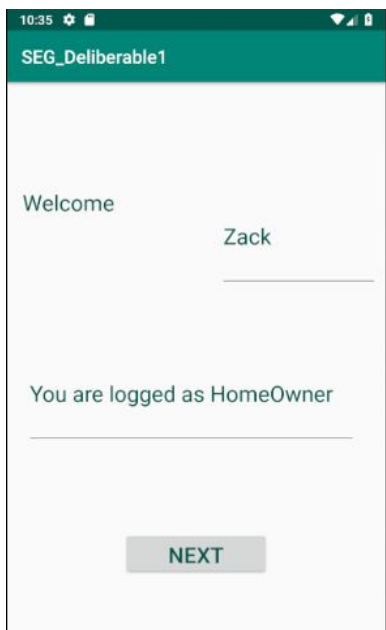
Password:

LOG IN

CREATE AN ACCOUNT

This screenshot shows a mobile application interface for signing in. At the top, there is a green header bar with the text "SEG_Deliberable1". Below the header, there are two input fields: "Name:" and "Password:". The "Password:" field has a red border. Below the input fields, there are two buttons: "LOG IN" and "CREATE AN ACCOUNT".

Screenshot of “signed in” page



10:35

SEG_Deliberable1

Welcome

Zack

You are logged as HomeOwner

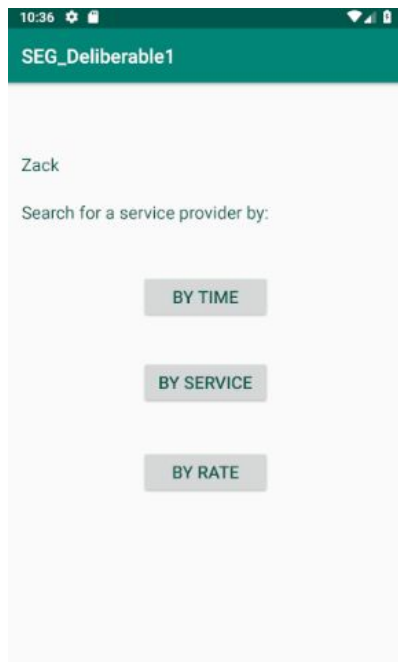
NEXT

This screenshot shows a mobile application interface for the signed-in state. At the top, there is a green header bar with the text "SEG_Deliberable1". Below the header, there is a "Welcome" message followed by the name "Zack" and a horizontal line. Below this, there is a message "You are logged as HomeOwner" followed by a horizontal line. At the bottom, there is a button labeled "NEXT".

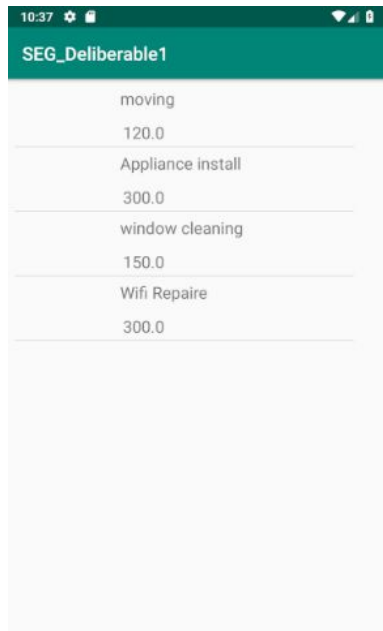
Screenshot of the homeowner options page



Screenshot of the search for service provider page



Screenshot of the search by service page

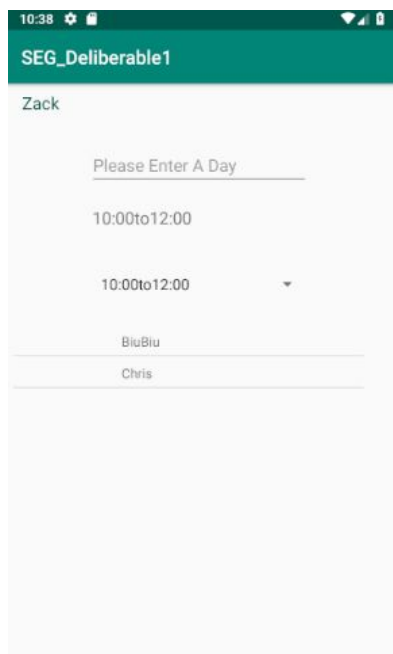


10:37

SEG_Deliberable1

| | |
|-------------------|-------|
| moving | 120.0 |
| Appliance install | 300.0 |
| window cleaning | 150.0 |
| Wifi Repaire | 300.0 |

Screenshot of the search by time page



10:38

SEG_Deliberable1

Zack

Please Enter A Day

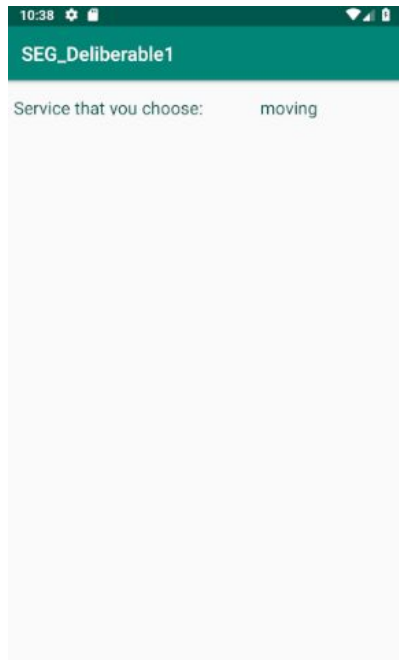
10:00to12:00

10:00to12:00

BiuBiu

Chris

Screenshot of the service selection page



10:38

SEG_Deliberable1

Service that you choose: moving

This screenshot shows a mobile application interface for service selection. At the top, there is a status bar with the time 10:38 and various icons. Below it is a green header bar with the text "SEG_Deliberable1". The main content area is a light gray rectangle. At the top of this area, the text "Service that you choose:" is followed by the word "moving".

Screenshot of the rate service page



10:39

← SEG_Deliberable1

Rate: 1-5

comments

SUBMIT

Name

BiuBiu

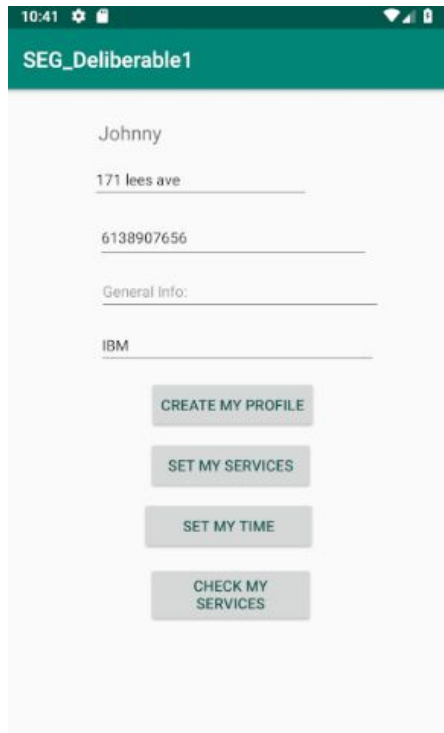
IBM

Chris

IBM

This screenshot shows a mobile application interface for rating a service. At the top, there is a status bar with the time 10:39 and various icons. Below it is a green header bar with a back arrow and the text "SEG_Deliberable1". The main content area is a light gray rectangle. At the top of this area, the text "Rate:" is followed by a text input field containing "1-5". Below this is a text input field labeled "comments". In the center of the screen is a gray button labeled "SUBMIT". Below the button is a list of names: "Name", "BiuBiu", "IBM", "Chris", and "IBM".

Screenshot of the Service provider's options and profile screen



10:41

SEG_Deliberable1

Johnny

171 lees ave

6138907656

General info:

IBM

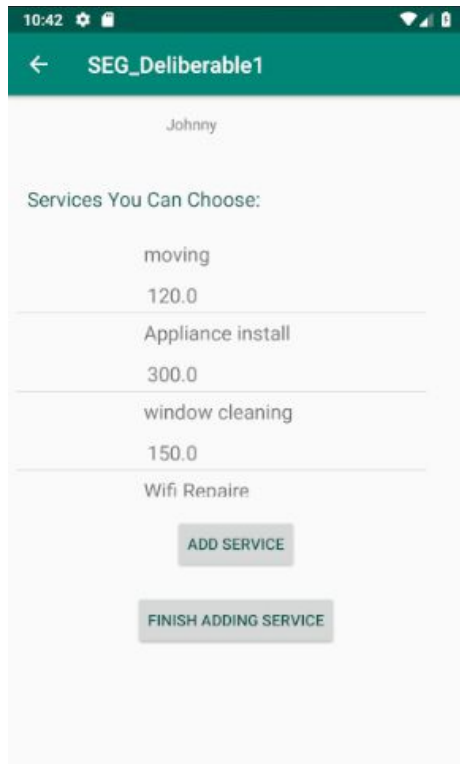
CREATE MY PROFILE

SET MY SERVICES

SET MY TIME

CHECK MY SERVICES

Screenshot of the set services screen



10:42

← SEG_Deliberable1

Johnny

Services You Can Choose:

moving
120.0

Appliance install
300.0

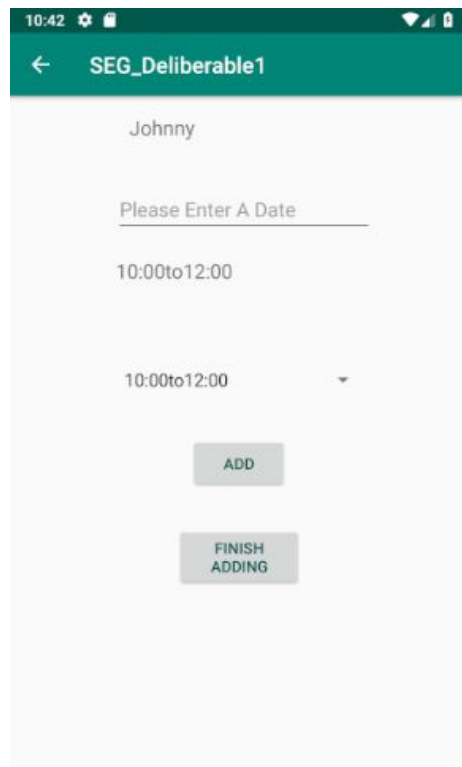
window cleaning
150.0

Wifi Renaire

ADD SERVICE

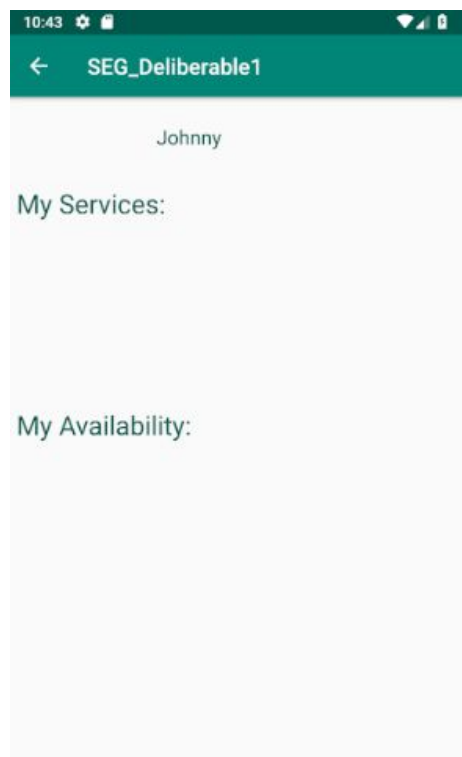
FINISH ADDING SERVICE

Screenshot of the set my time screen



A screenshot of a mobile application interface for setting a time slot. The top status bar shows the time 10:42 and various icons. Below it is a teal header bar with a back arrow and the text 'SEG_Deliberable1'. The main content area is light gray and contains the name 'Johnny' at the top. Below the name is a text input field with the placeholder 'Please Enter A Date'. Underneath the input field, the time '10:00to12:00' is displayed. Below this, there is a dropdown menu showing '10:00to12:00' with a downward arrow. At the bottom of the screen are two gray buttons: 'ADD' and 'FINISH ADDING'.

Screenshot of the check my services screen



A screenshot of a mobile application interface for checking services. The top status bar shows the time 10:43 and various icons. Below it is a teal header bar with a back arrow and the text 'SEG_Deliberable1'. The main content area is light gray and contains the name 'Johnny' at the top. Below the name, the text 'My Services:' is displayed. Further down, the text 'My Availability:' is displayed. The rest of the screen is empty.

Screenshot of the administrator options page

11:19

SEG_Deliberable1

Enter Service

Enter Value

ADD

Services

| | |
|-------------------|-------|
| moving | 120.0 |
| Appliance install | 300.0 |
| window cleaning | 150.0 |
| Wifi Repaire | |

This screenshot shows the 'ADD' screen for services. It features a header bar with the title 'SEG_Deliberable1'. Below the header, there are two input fields: 'Enter Service' and 'Enter Value'. A green 'ADD' button is positioned below these fields. Underneath the button, the word 'Services' is displayed. A table lists existing services with their corresponding values: 'moving' (120.0), 'Appliance install' (300.0), 'window cleaning' (150.0), and 'Wifi Repaire' (empty). The table is styled with horizontal lines separating the rows.

Screenshot of administrator delete and update service screen

2:44

SEG_Deliberable1

moving

Enter Service

Enter Value

UPDATE DELETE

This screenshot shows the 'UPDATE' and 'DELETE' screen for services. It features a header bar with the title 'SEG_Deliberable1'. Below the header, the word 'moving' is displayed. There are two input fields: 'Enter Service' and 'Enter Value'. Below these fields, there are two buttons: 'UPDATE' and 'DELETE'. The screen is framed by a dark border.

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.