

University of Ottawa

SEG 2505 [A] - Introduction au Génie Logiciel
Project Report

Group 22

Hiba Tantawi- 300250911

Meriem Mourad - 300255443

Manal Baya - 300256219

Manaal Mujeebuddin - 300255452

Course Coordinator: Hussein Al Osman

Date of submission: 9 December 2022

Introduction

As Group 22, we were assigned to create an Android application called Mealer that offers food services.

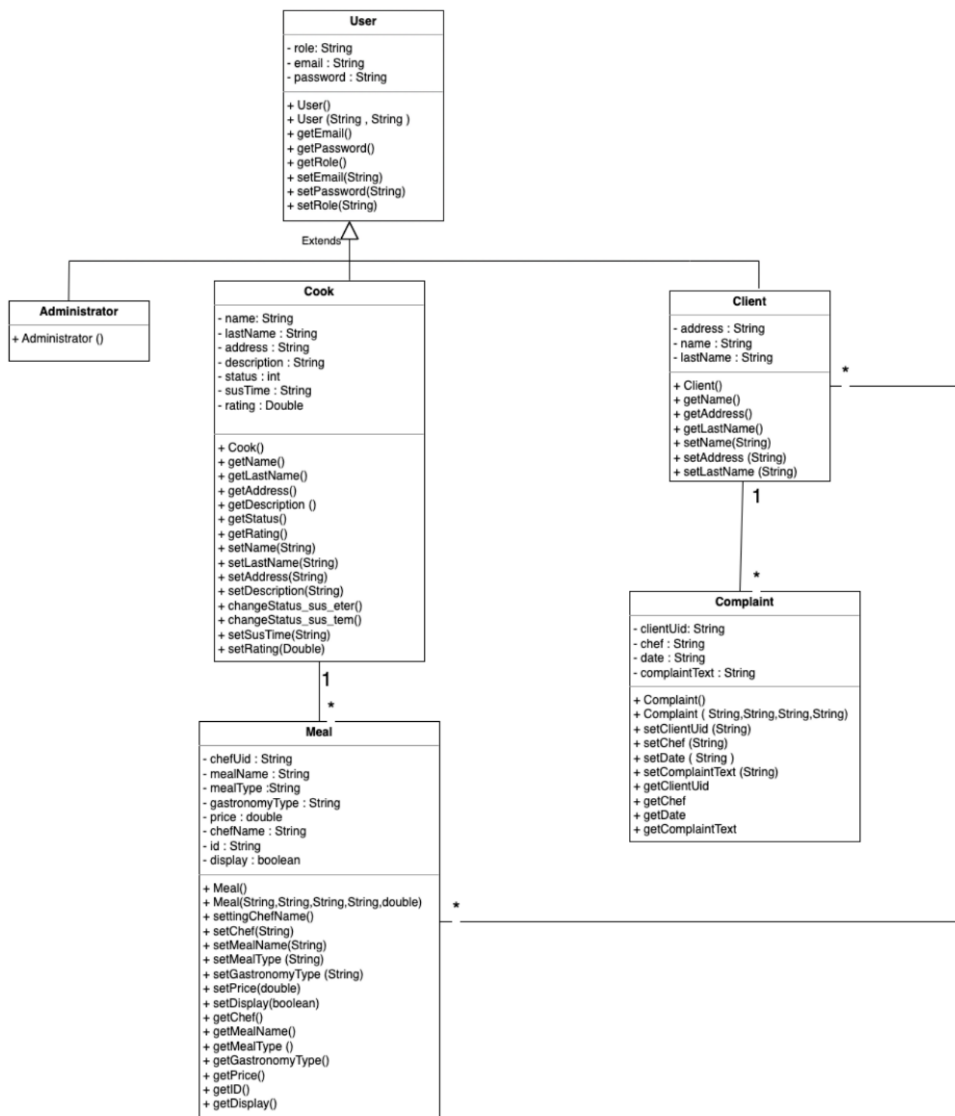
There are three different user types for this app - Administrator, Chef, and Client.

Administrator: a user who receives complaints about a Cook from a Customer and can suspend the Cook if necessary.

Chef: A user who cooks meals at home and sells them to Customers.

Customer: A user who purchases meals from the Cook. He orders the meal via the application and picks it up from the Chef.

UML Diagram



User Functionalities:

Administrator:

The Administrator is a pre-registered user. This means that the information about the Administrator account (i.e. username and password) is already in the database when the system is started for the first time. The Administrator receives complaints about a Chef from a Client and may suspend the Chef if necessary. The admin has an inbox to receive Customer complaints. Each complaint is associated with a Cook and contains a description of the complaint as written by the customer. Depending on the complaint, they have the choice of temporarily suspending the Chef or indefinitely. They can also dismiss the complaint. Once the Administrator processes the complaint (dismisses or suspends), the complaint disappears from its list.

Chef:

This user cooks meals at home and sells them to Customers. The Chef can remove the meal from the list of meals offered, which means that the Customer can no longer see it in his searches or buy it. In addition the Chef can view and approve/reject purchase requests received from customers. The Chef can see their profile and their evaluation score. To become a Chef, the user must register by submitting the following information:

- Name
- Email address (which also serves as username)
- Account password
- Address

Client:

Customer: The client is a user who purchases meals from the chef. They order the meal from the application and pick it up from the chef. To become a Client, a user must register by submitting the following information:

- Name
- Email address (which also serves as username)
- Account password
- Address
- Credit card information (for payment purposes)

Once registered, a Customer can search for meals. They can also search information about the Cooks as well as meal information. The Customer can then select a meal, specify a pick-up time and submit a request to purchase the meal. The Customer may lodge a complaint concerning a Chef with the Administrator.

Team Contributions

Name	
Hiba Tantawi	<ul style="list-style-type: none">● Creating Search Activity for Client● Setting Cart Activity● Worked on Client/Chef Methods
Meriem Mostefai	<ul style="list-style-type: none">● Firebase Integration● UI Design● Implemented Initial Main Activity● Worked on Client/Chef Methods
Manal Baya	<ul style="list-style-type: none">● Creating UML● Worked on UI Design● Worked on Register page UI● Worked on Backend classes model
Manaal Mujeebuddin	<ul style="list-style-type: none">● Organized and Wrote Report● Maintained UML updates● Worked on updates


Conclusion

This was our first time working on an android app and interacting with Android Studio using databases. We learnt to apply all our knowledge from previous courses and built on that. We also learned how to perform firebase integration and design UI in Android Studio. We learnt how to make UML diagrams and we learnt to use GitHub. Working through the bugs and setting timelines were the biggest challenges we faced. Since it was a big learning curve for us, at times we struggled with certain methods and codes.

We learnt to set reminders and plan ahead. While in the planning stage, we learnt the best ways to effectively communicate our ideas and balance work loads. Even with tight deadlines and some setbacks, we learnt to stay calm and work through our tasks. We developed high problem-solving, troubleshooting, bugging and debugging skills and enhanced our attention to detail and search skills. We bonded as a team and had fun developing this app. This has been a very encouraging and helpful experience for us!

Screenshots

Main Page:



MEALER

Email address:

Email

Password:

Password

LOGIN

Don't have a Mealer account yet?

REGISTER

Client

Client registration

Name

Last name

Email address

Password

Address

Enter card details:

CVV

MM/YY

DONE

Cook

Welcome hiba !

SIGN OUT

VIEW PROFILE

Your menu:

burger
fast food
23 CAD
italian

fahita
fastfood
2.0 CAD
italian

hh
ug

ADD MEAL

ORDERS

Your profile :

Name : hiba

Rating: 2.5

Your Displayed Meals:

burger

fast food

23 CAD

italian