

Android Studio Project

Mealer App

SEG2105 - Intro to Software Engineering

Fall 2022

School of Electrical Engineering and Computer Science

University of Ottawa

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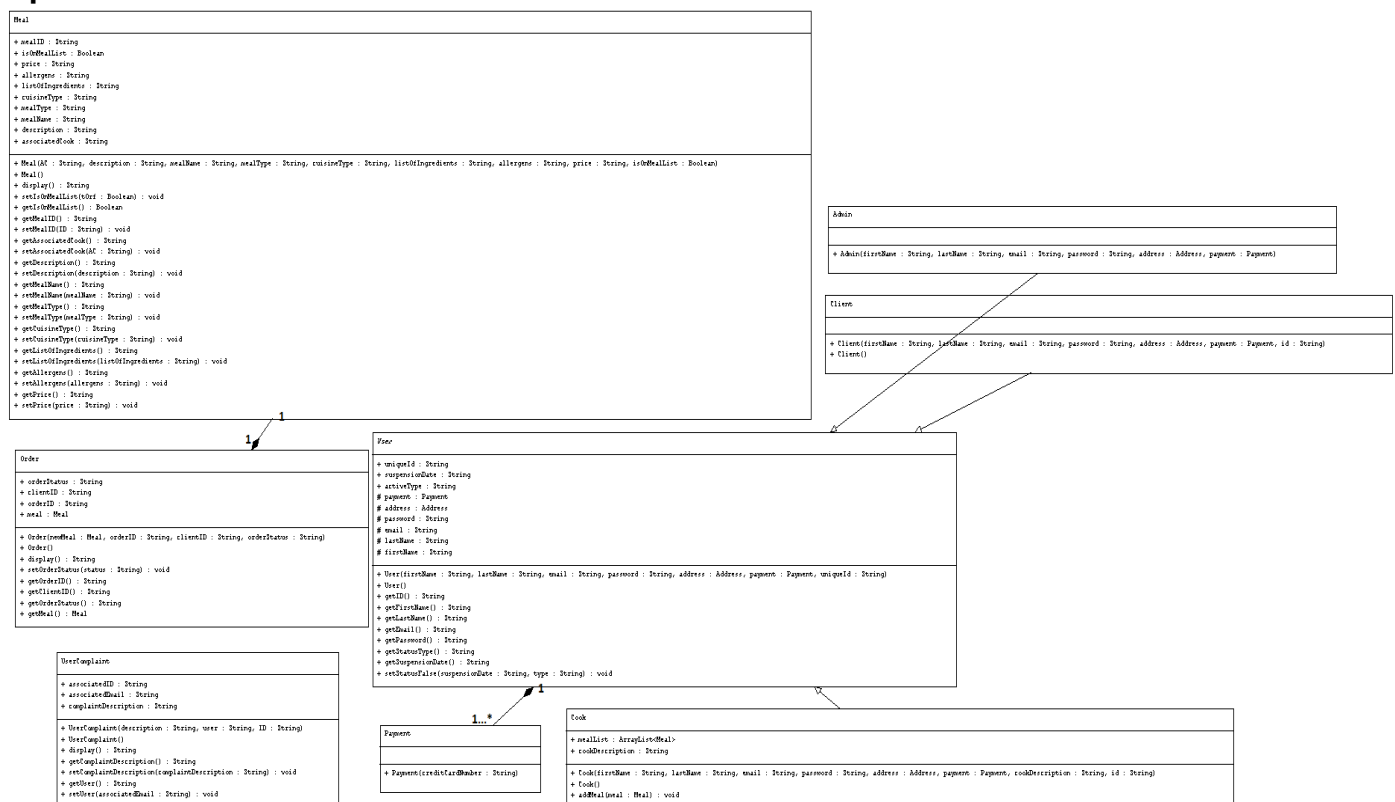
Evgeny Smirnov (8725686)

Introduction:

The report is for the “Mealer” application project done throughout the Fall 2022 semester. The “Mealer App” is a meal sharing application focused on the Ottawa area which allows local cooks to sell meals to clients from their home. The application is focused on three types of users. Administrator user oversees the complaints about cooks from clients and can suspend cooks temporarily or permanently. Cook users can post their meals for sale and sell them to clients. Client users can buy meals from cooks and leave complaints if needed.

The report contains a title page, introduction, final UML class diagram, table of contributions for each deliverable, screenshots of all screens of the app and lessons learned from this project. The “Mealer App” was built with Android Studio, using Java and XML. Local unit testing was performed for quality assurance. UML was used for modeling the project. GitHub and Git were used to assist in remote collaboration between team members. In the end, the project was successfully completed and taught each member of the group a variety of app-development skills in Android Studio, importance of project modeling, and the importance of teamwork in the application development.

Updated UML:



Contribution tables:

Deliverable 1:

	Front end	Back end	UML	Test cases	APK/ README
Iaroslav	10% feedback/ modifications	50% account creation/ firebase connection	10% feedback/ small modifications	-	-
Deniz	30% images/ made look nice	20% hard coded admin class + bugfix	10% feedback/ small modifications	-	60%(APK)
Matteo	10% feedback/ modifications	20%(traversals between pages/ on click functions)	60% build UML	-	40%(README)
Evgeny	50% initial pages/ buttons	10% bug fixing	20% Class associations	-	-

Deliverable 2:

	Front end	Back end	UML	Test cases	APK/ README
Iaroslav	25% View list of complaints as admin	40% banning process + bug fixing	10% feedback/ small modifications	10% feedback/ small modifications	40%(README)
Deniz	25% View list of complaints as admin	20% hard coded complaints	10% feedback/ small modifications	10% feedback/ small modifications	60%(APK)
Matteo	20% banned message for cooks	20% made complaint class	60% build UML	10% feedback/ small modifications	-
Evgeny	30% banned message for cooks	10% feedback/ small modifications	20% Class associations	70% -implemented test cases	-

Deliverable 3:

	Front end	Back end	UML	Test cases	APK/ README
Iaroslav	25% View list of meals as cook	30% cook deleting meals	10% feedback/ small modifications	10% feedback/ small modifications	
Deniz	25% View list of meals as cook	30% cook adding meals	10% feedback/ small	10% feedback/ small	60%(APK)

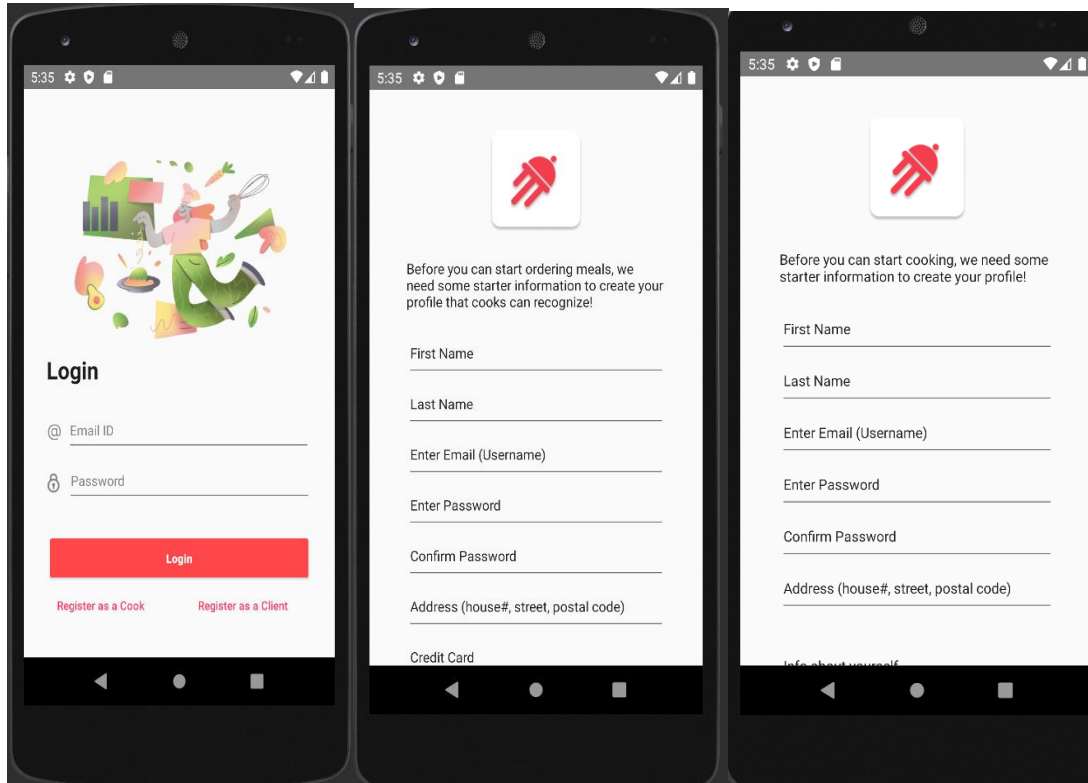
			modifications	modifications	
Matteo	25% view offered meals only as cook	20% made meal class + bug fixing	60% build UML	10% feedback/ small modifications	
Evgeny	25% view offered meals only as cook	20% Currently offered function for meals + field validation	20% Class associations	70% -implemented test cases	40%(RE ADME)

Deliverable 4:

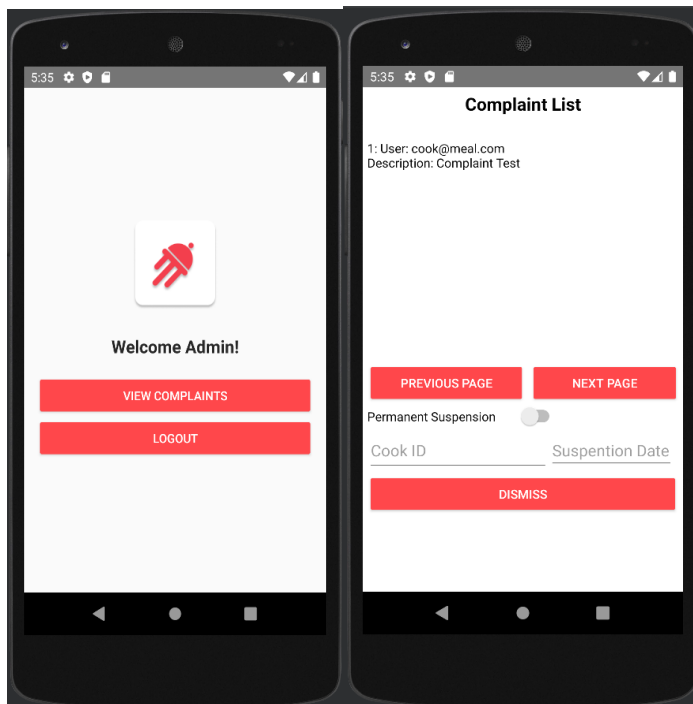
	Front end	Back end	UML	Test cases	APK/ READM E	Final Report
Iaroslav	25% View status of purchase	30% purchase request+rating +cook accept/reject order	10% feedback/ small modifications	10% feedback/ small modifications		10% screenshots
Deniz	25% View profile/ rating as cook	30% complaint creation	10% feedback/ small modifications	10% feedback/ small modifications	60%(AP K)	
Matteo	25% Client view meals/ rating and information	20% client search for meal	60% build UML	10% feedback/ small modifications	20%(RE ADME)	50% Tables + front page+uml
Evgeny	25% Client view meals/ rating and information	20% Client view rating information	20% Class associations	70% -implemented test cases	20%(RE ADME)	40% intro+ lessons learned

App screenshots:

Login and Registration:




Admin:



Cook:

5:35




Welcome Cook!

[VIEW MEALS](#)

[VIEW ORDERS](#)

[LOGOUT](#)

5:35



Enter a meal name

Enter the meal type

Enter a description of your meal

Enter the cuisine type

Enter a list of ingredients separated by a comma


Enter a list of allergens separated by a comma

Enter price for the meal

Switch On to add to offered meals list

[ADD MEAL!](#)

5:35



Show only offered meals ☐ [ADD MEAL](#)

Meal: 1

Meal Name: A

Meal Type: aa

Description: a

Cuisine Type: a

List of Ingredients: aa


List of Allergens: a

Price: \$a

[PREVIOUS PAGE](#) [NEXT PAGE](#)

[DELETE MEAL](#)

5:35



[APPROVE](#) [DENY](#)

MealMeal Name: A

Meal Type: aa

Description: a

Cuisine Type: a

List of Ingredients: aa

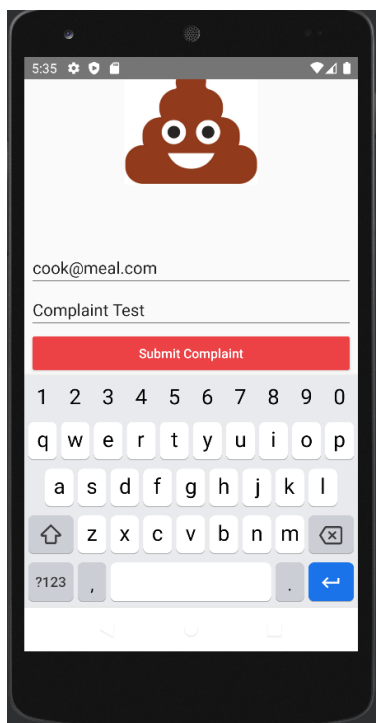
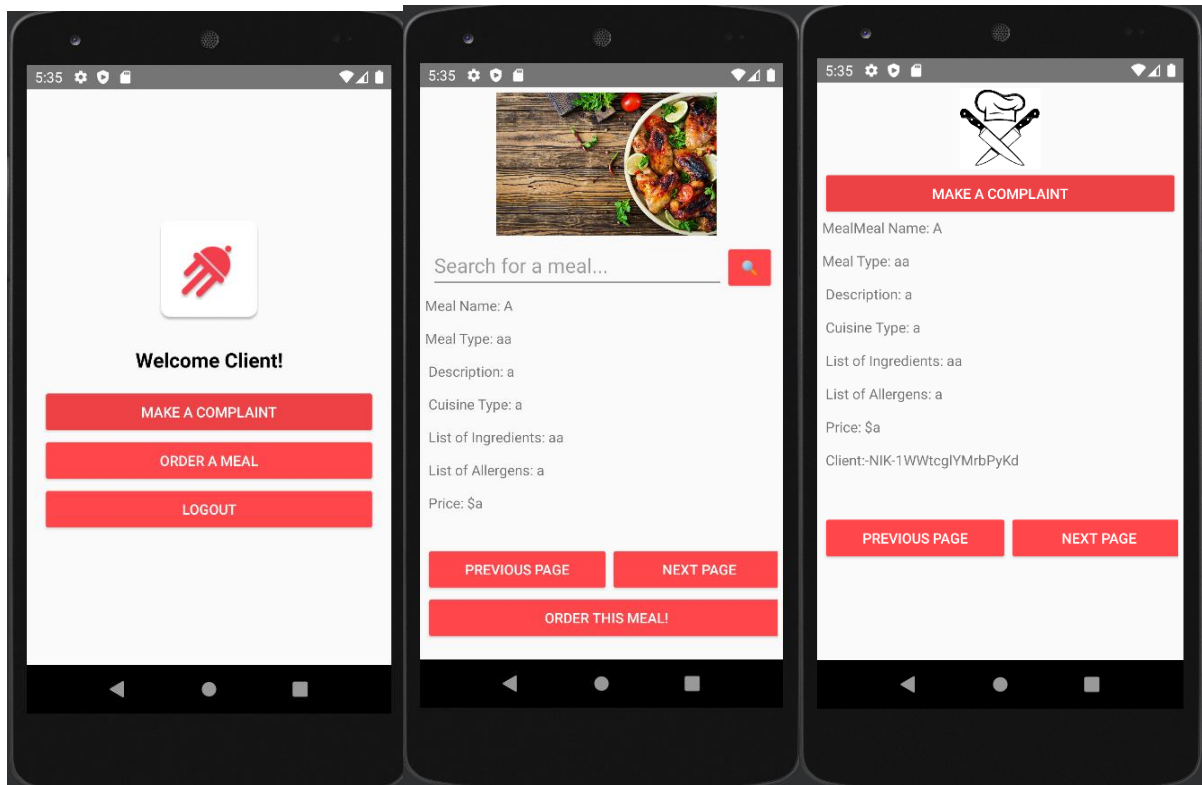
List of Allergens: a

Price: \$a

Client:-NIK-1WWtcgIYMrbPyKd

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Client:



Lessons Learned:

In the beginning of the course, our team didn't know much about app development in Android Studio. Now, all team members gained valuable experience working with front-end and back-end in Android Studio. We learned the importance of version control by mastering Git and synchronizing the progress of the project between all team members. We gained valuable experience working with Firebase and removing or fixing various bugs. We learned how to perform basic unit testing to check code for bugs and make sure that the quality of programming is adequate. The project was also a good exposure to working on a relatively large-scale application over a longer period of time. We learned to plan ahead and respect deadlines of deliverables which will be useful in the future careers.