

University of Ottawa

School of electrical Engineering and Computer Science (EECS)

**SEG2105[B]**

**Fall 2022**

Android Project: Mealer App

Group ID (24)

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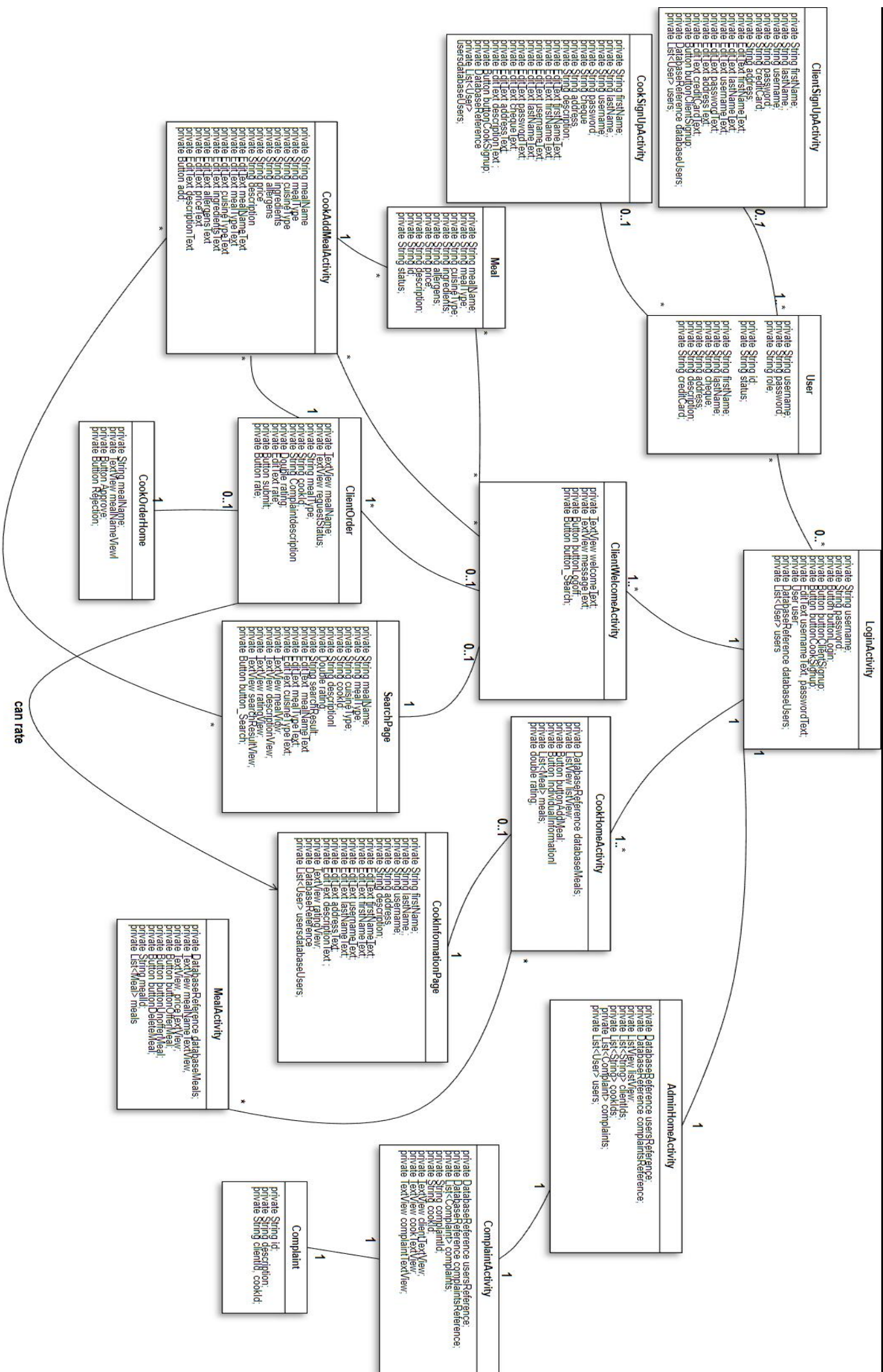
Presented to:

Dr. Wassim El Ahmar

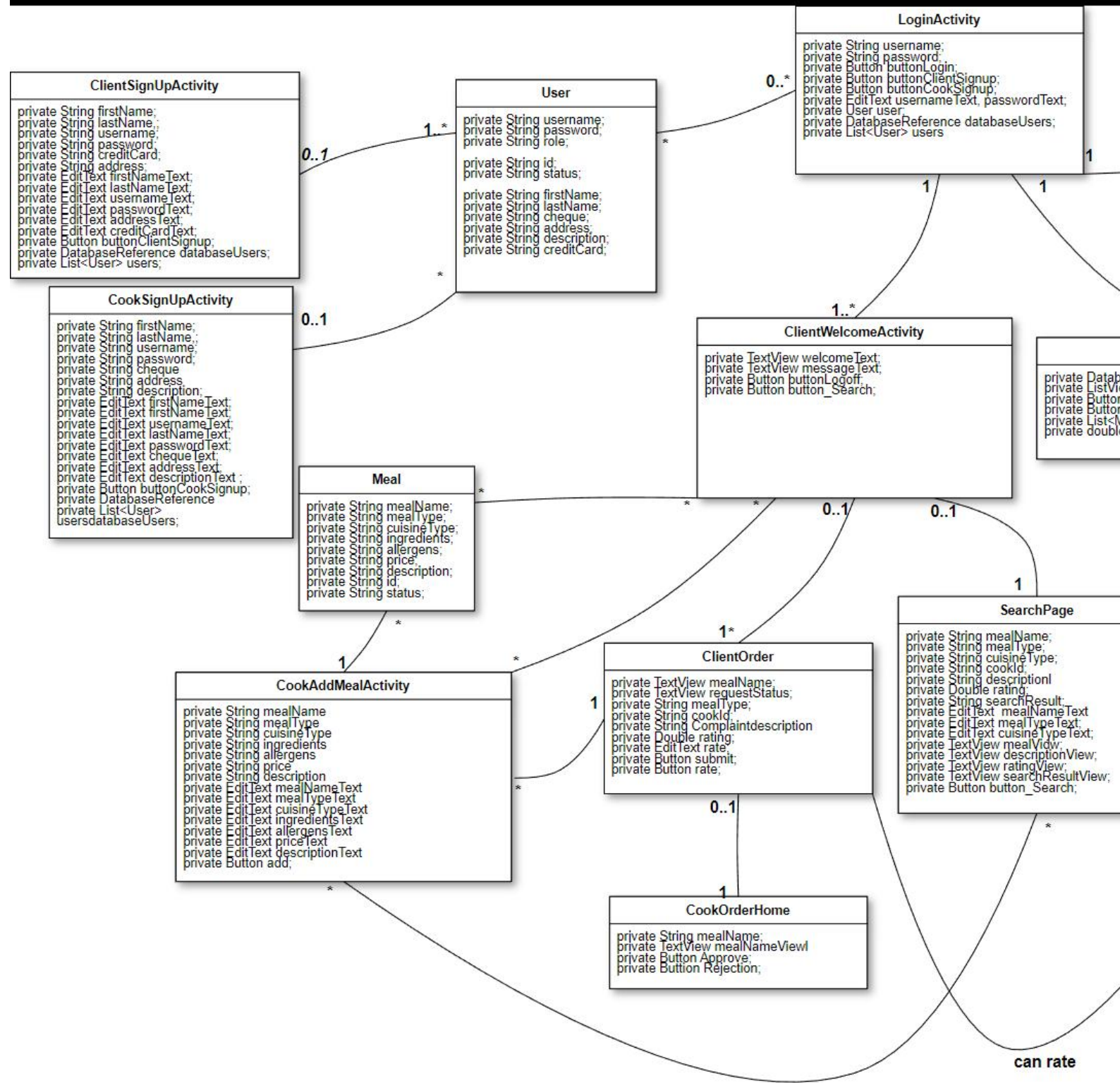
# Introduction

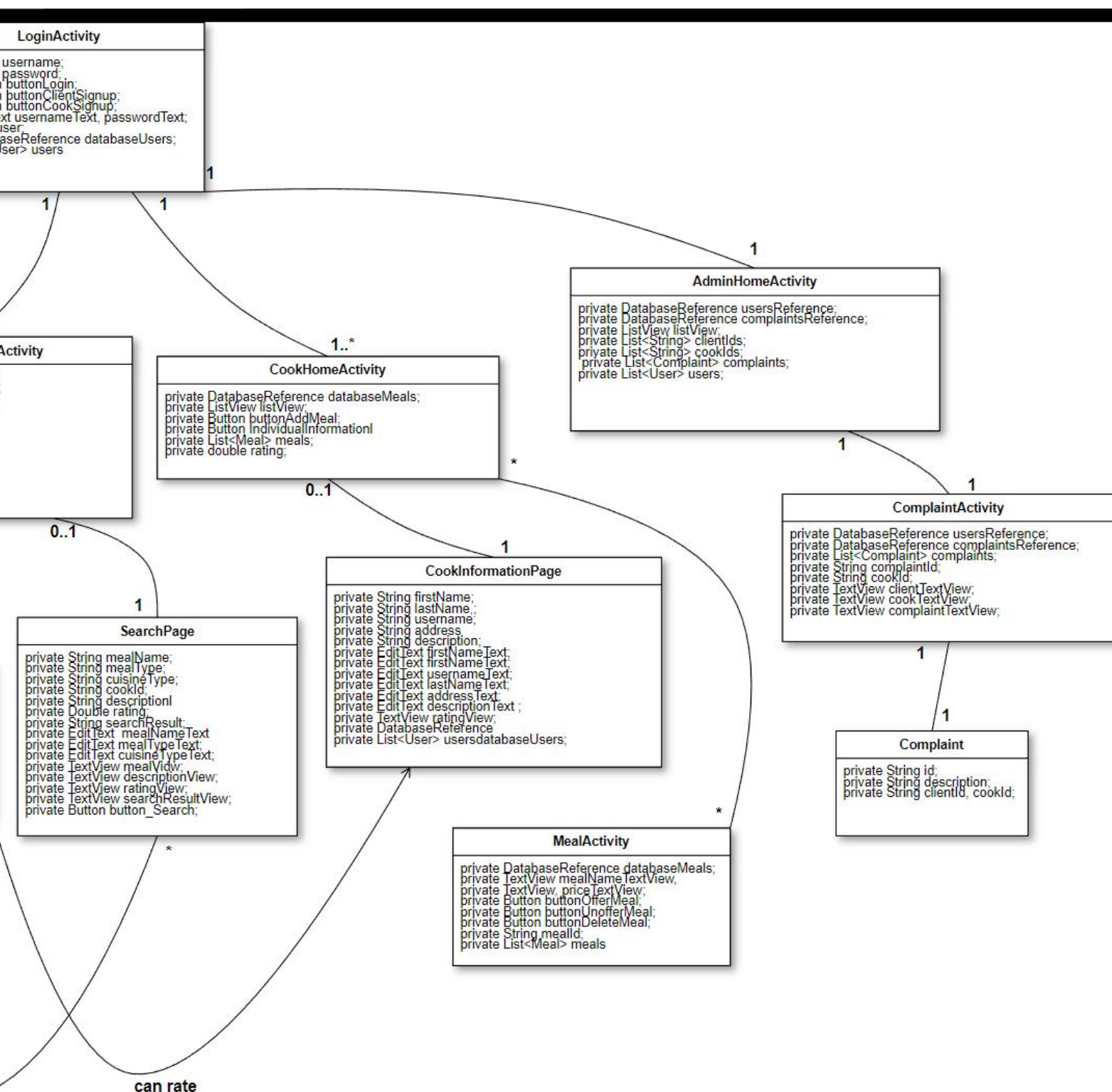
Our project is about a meal app that allows cook and clients to interact. in our app, there are three types of users: cook, client and admin. we designed the login page and the user registration page. In the registration page, users can choose to register themselves as a chef or as a customer. By the user's account type, the app system will load a different page for the user. Chef account users will have the right to offer, delete dishes, or modify dish information. Customer account users can choose to purchase dishes, cancel dishes, and file complaints with the chef. admin account users will collect complaints from clients, and admin users will have the option to suspend the service of the chef being complained about. The system interconnects the different sections to link the chef, customer and admin. The whole system is logical and provides feedback based on reality.

## UML diagram



Since the final UML diagram is too big, we'll separate it into two parts in the following two pages:





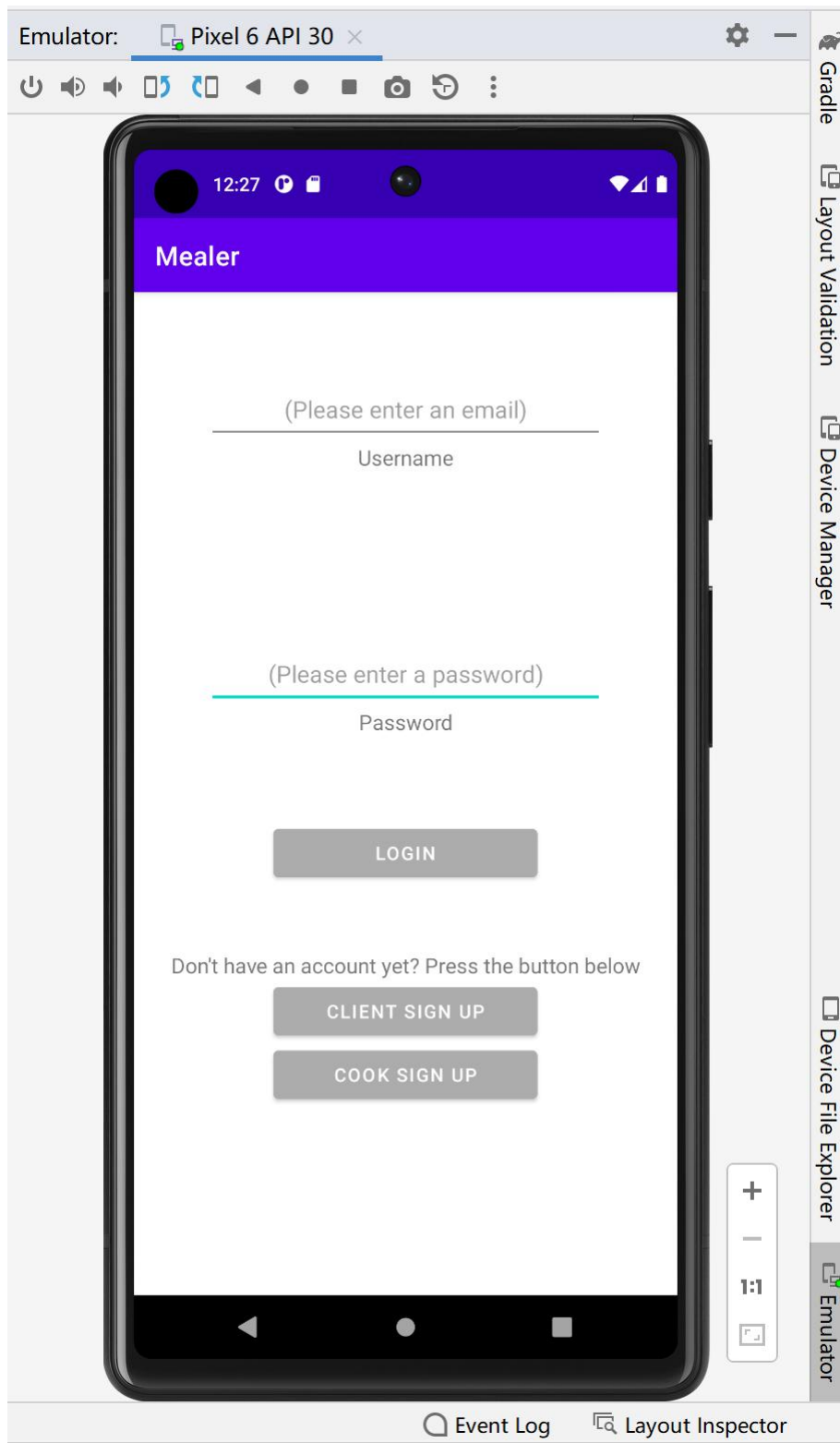


# Table of contributions

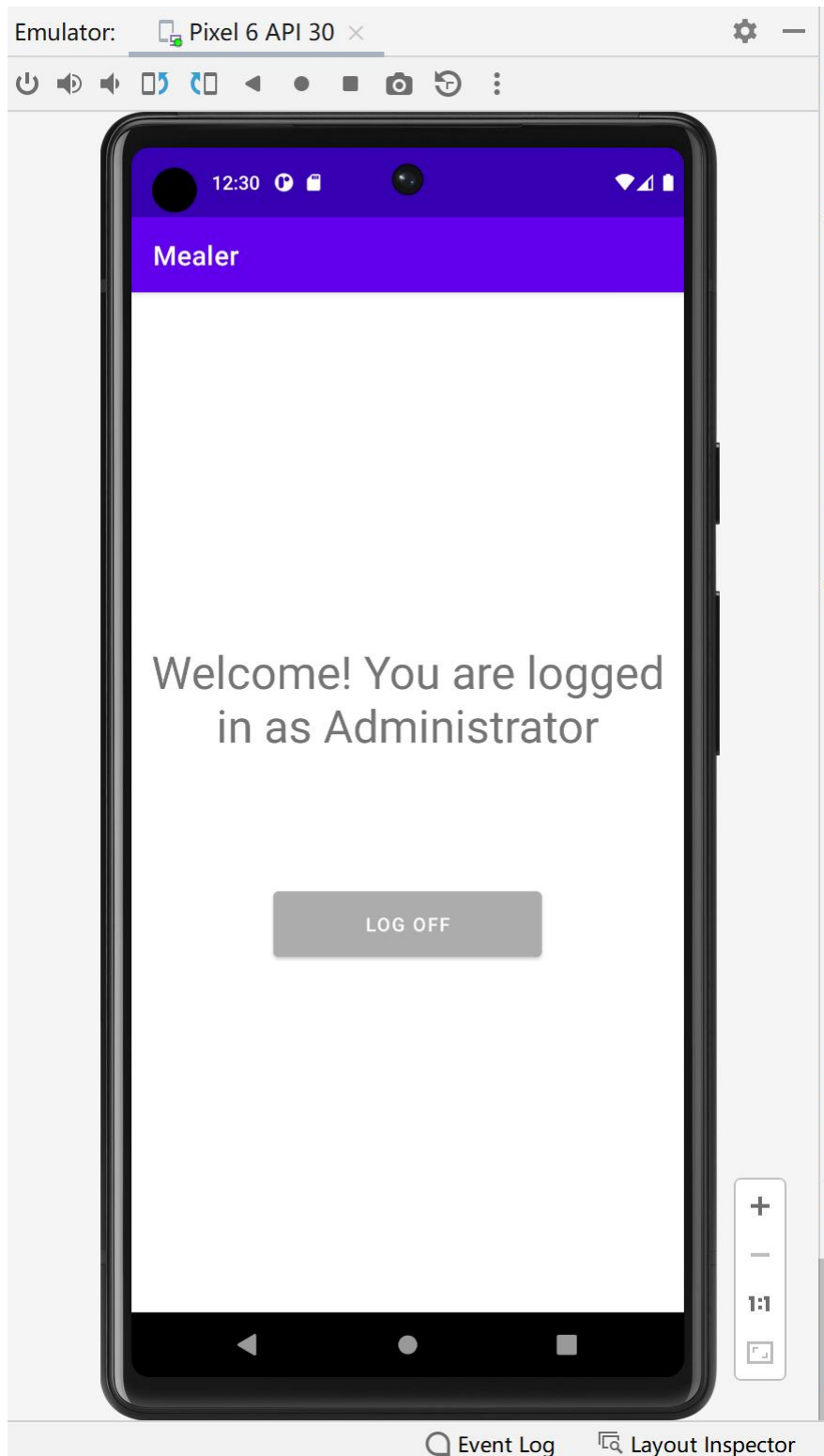
Contributions Name	<i><b>Deliverable 1</b></i>	<i><b>Deliverable 2</b></i>	<i><b>Deliverable 3</b></i>	<i><b>Deliverable 4</b></i>
Haoran Jia	The UML diagram	The UML diagram, Project test cases, Project testing	The UML diagram, Cook deleting meals function, Suspended message function	The UML diagram, Client rate function, Client complaint function
Junbo Wang	User register function, User log in/off function, Database use	Administrator function, Cook function, Project testing	Cook adding meals function, Cook deleting meals function, Remove meals from offered list function	Client search function, Client view setting, Client complaint function, Project test cases
Ruoyu Liu	User log in/off function	Cook function, Project test cases, Project testing	Cook deleting meals function, Cook remove meals from offered meals list function	Client search function, Client complaint function
Zhiwei Fu	User log in function, Welcome block function	Administrator function, Connection with DB(value stored)	Remove meals from offered list function,Suspended message function	Final report, Project test cases, Cook can view message from the clients

# Screenshots

## User login page



## Admin login welcome block





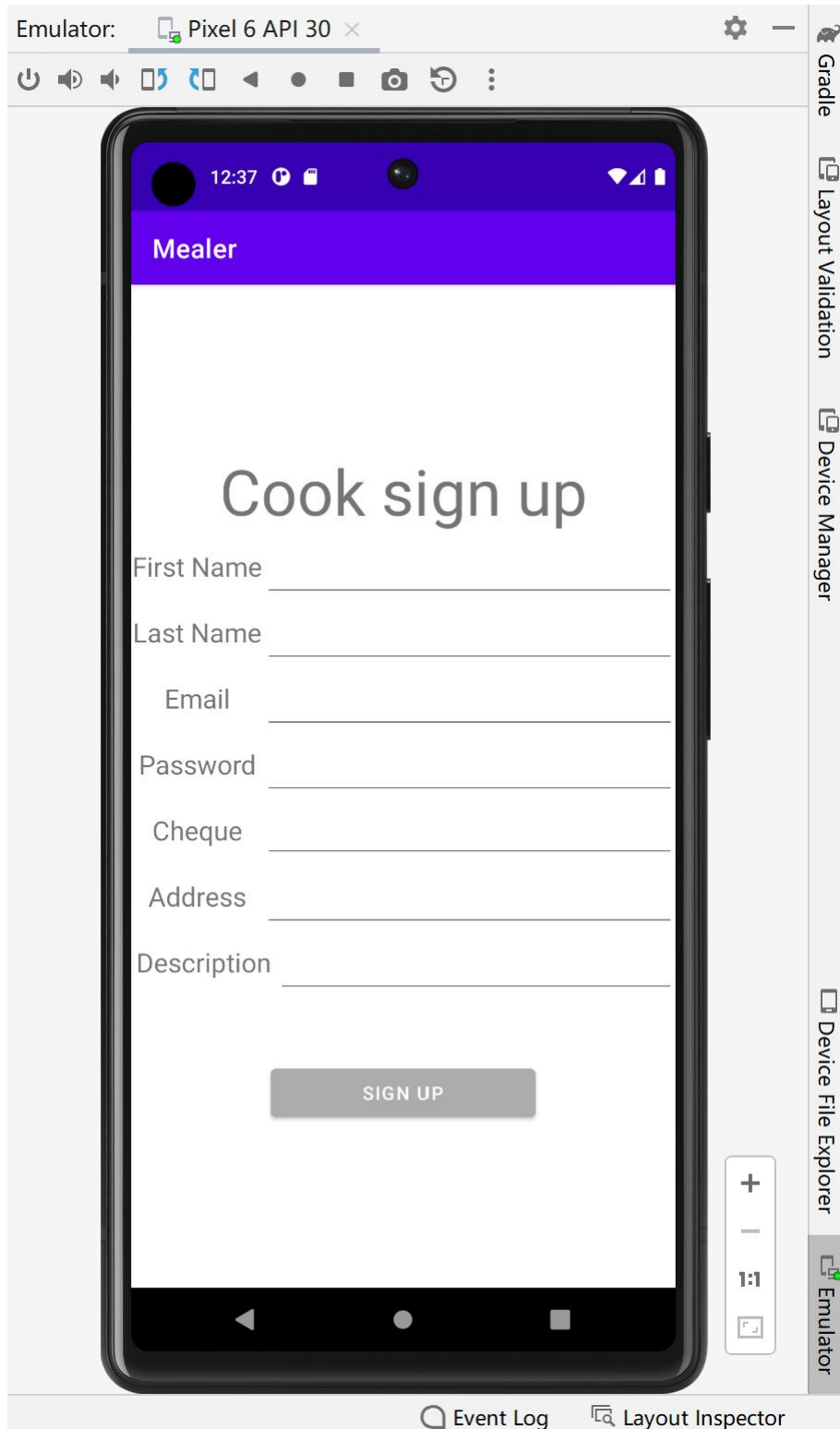
## Admin main page



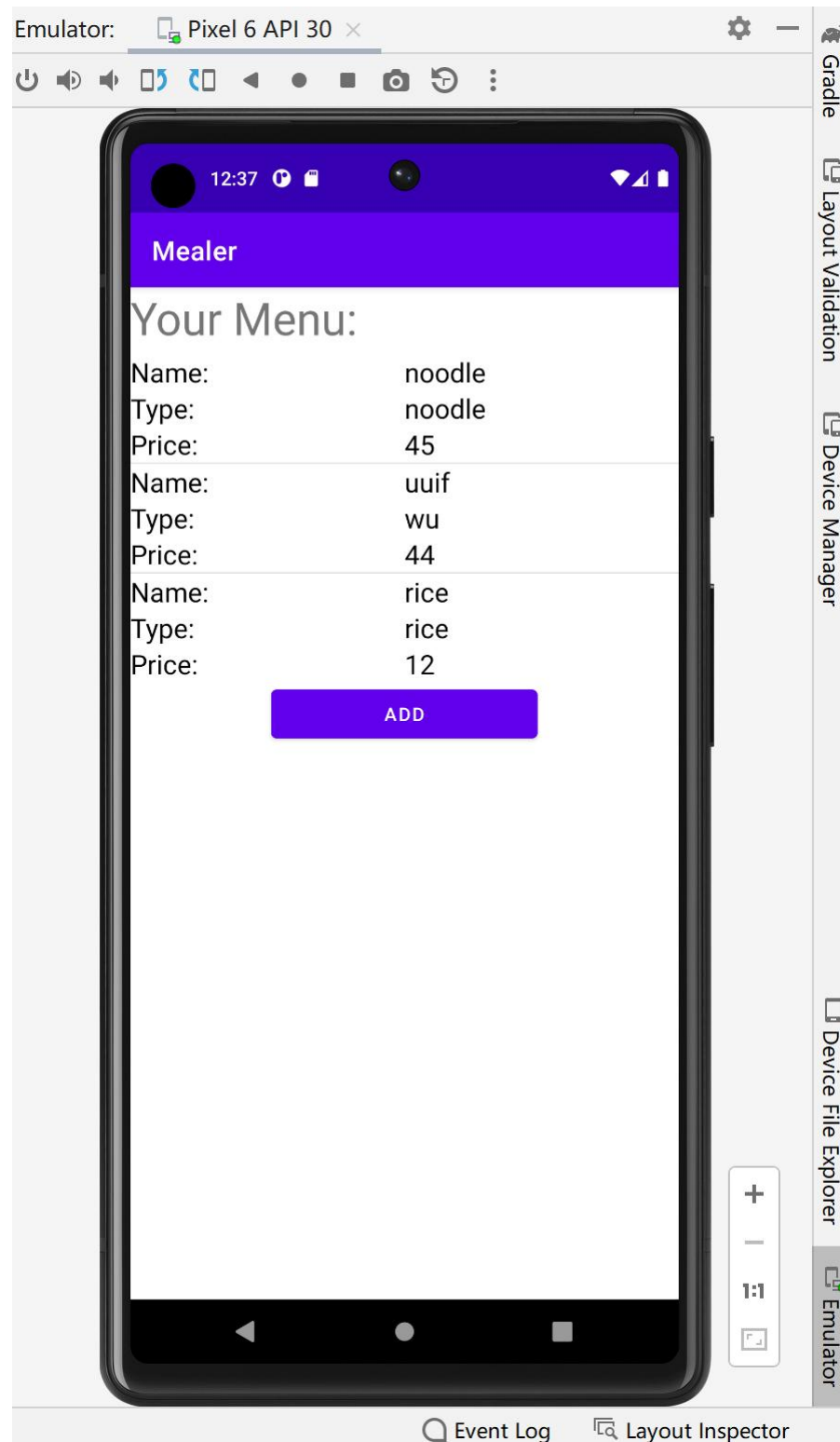
## Complaints (view from admin account)



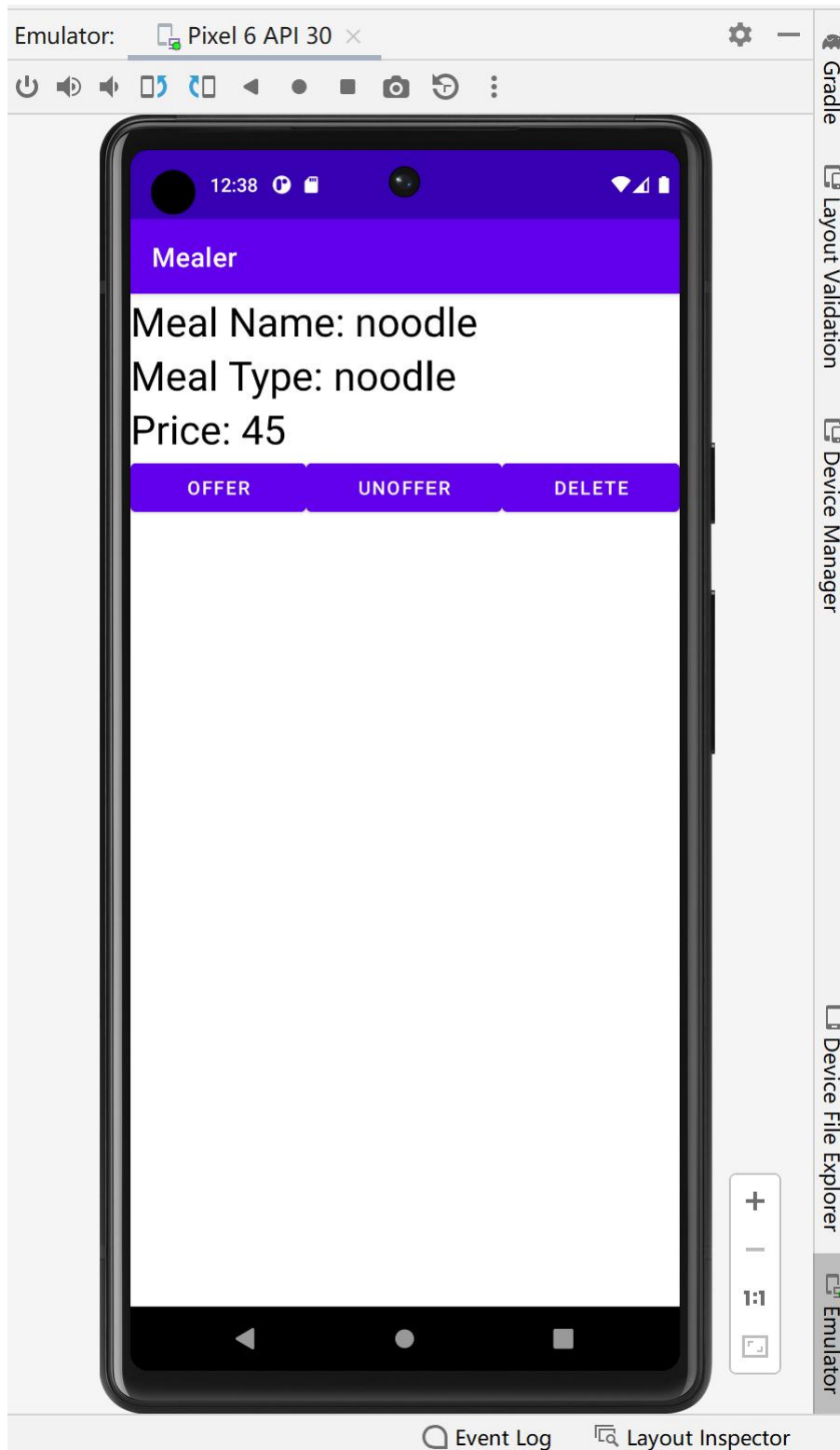
## Cook sign up(Register) page



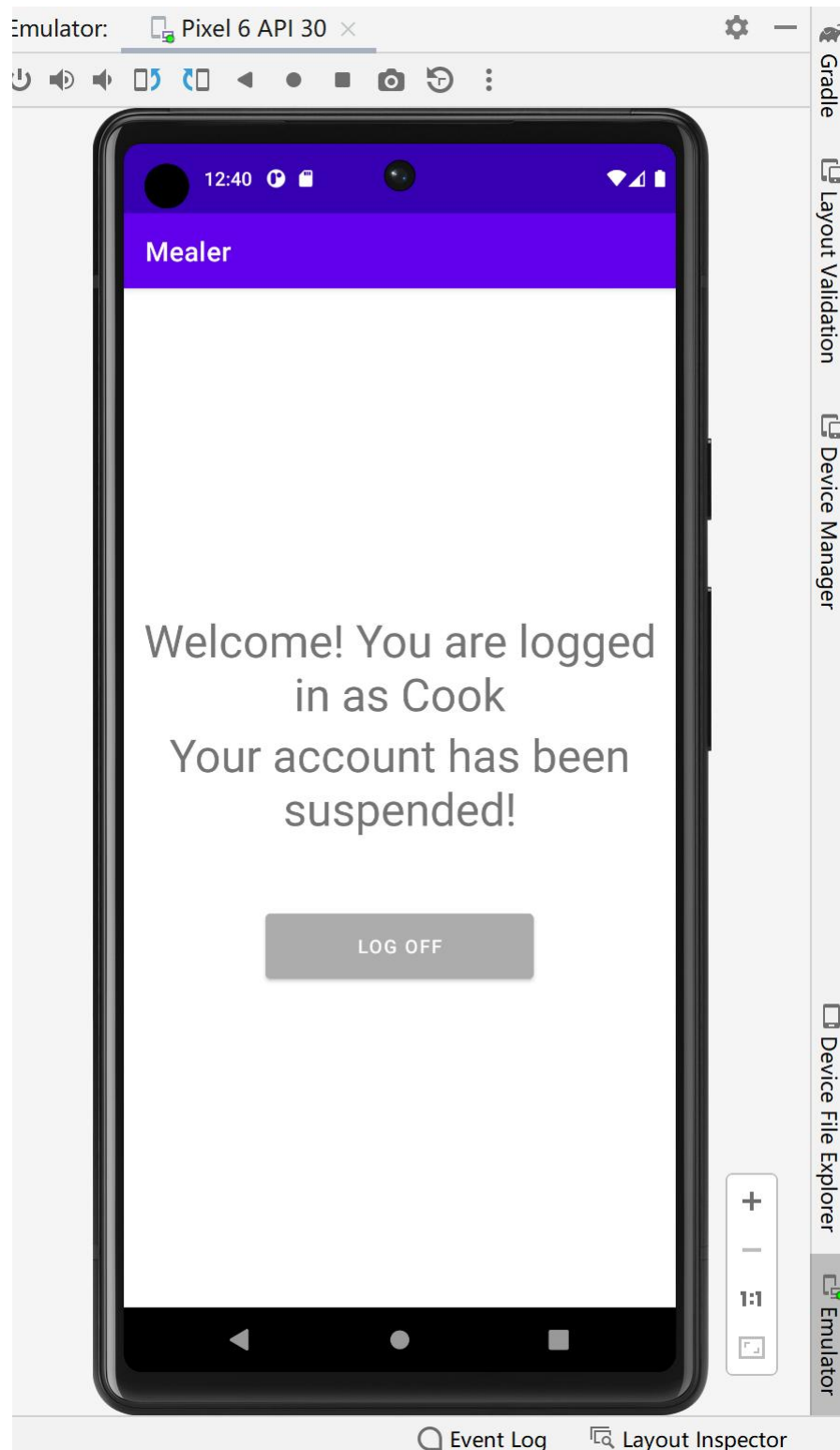
## Cook main page



## Cooks' meal management page

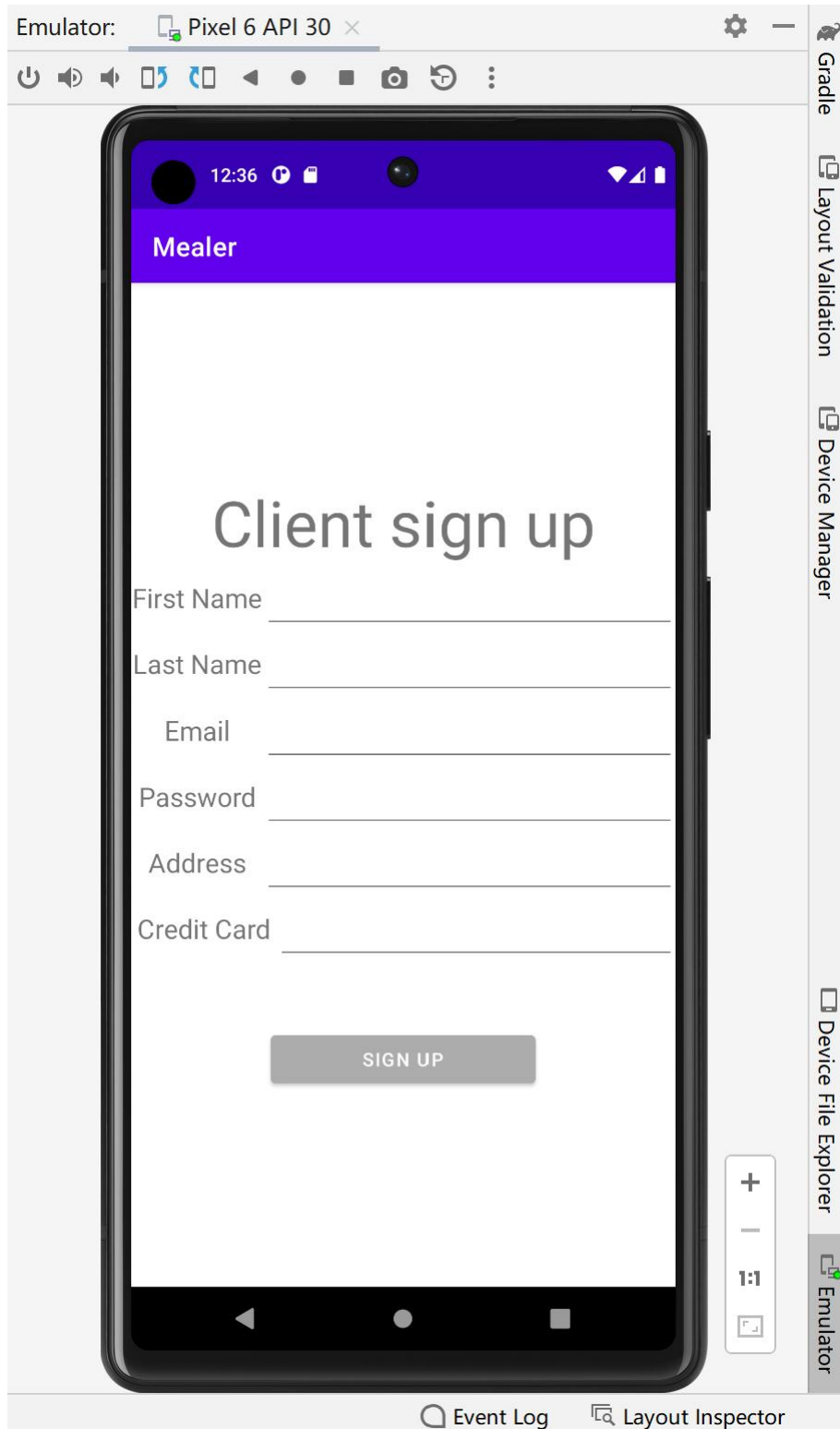


## Suspended Cook login page

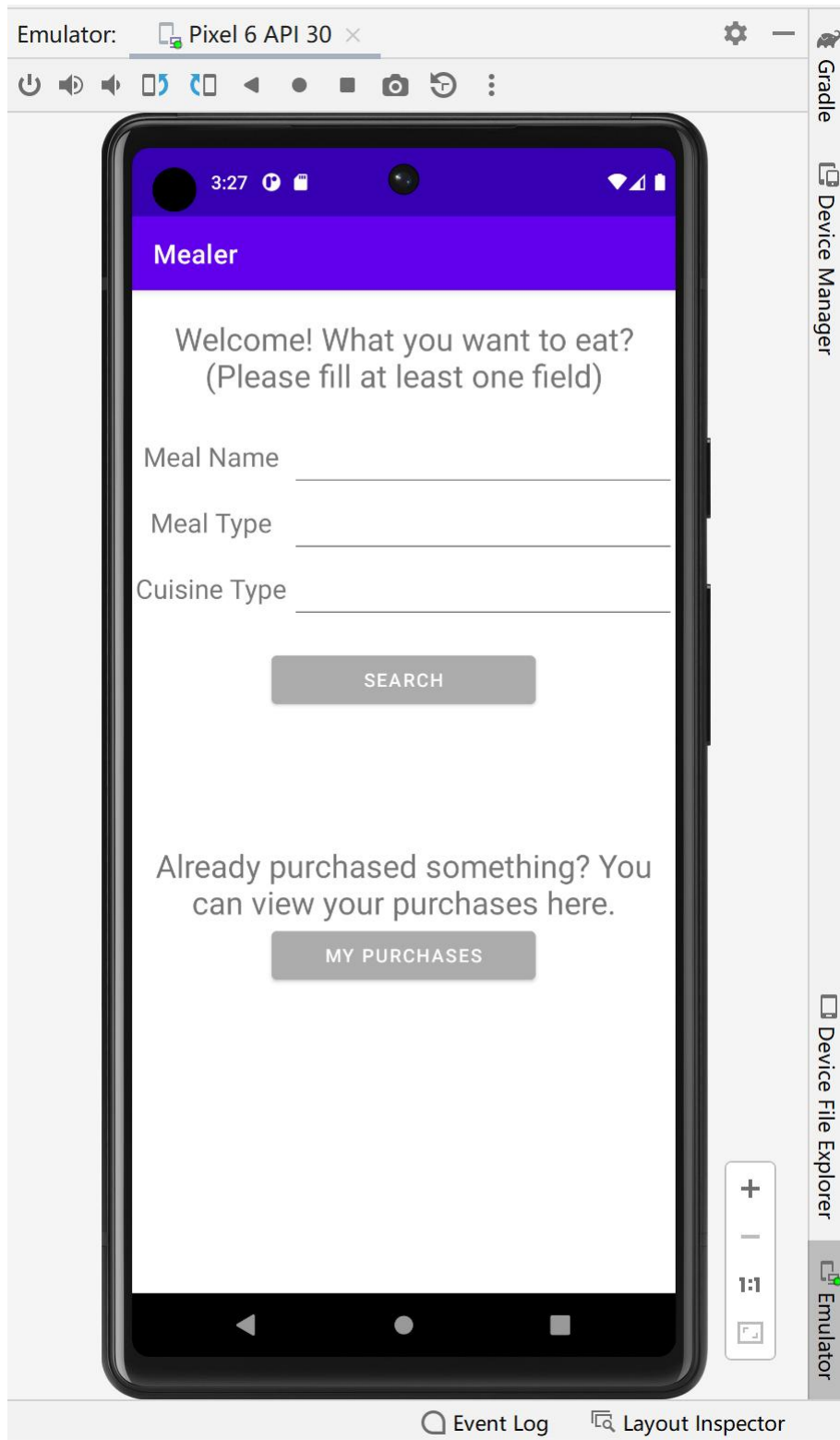




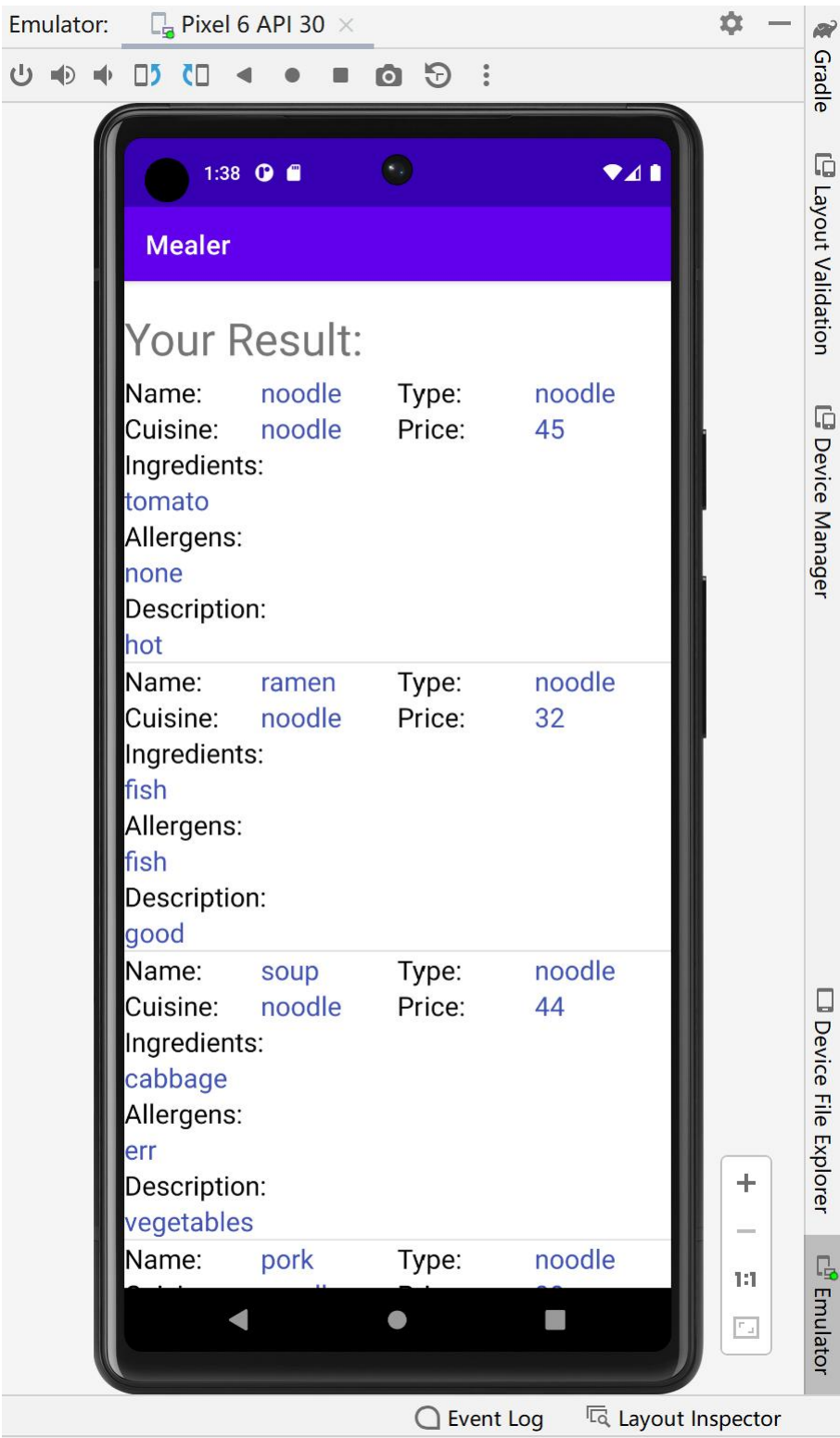
## Client sign up(Register) page



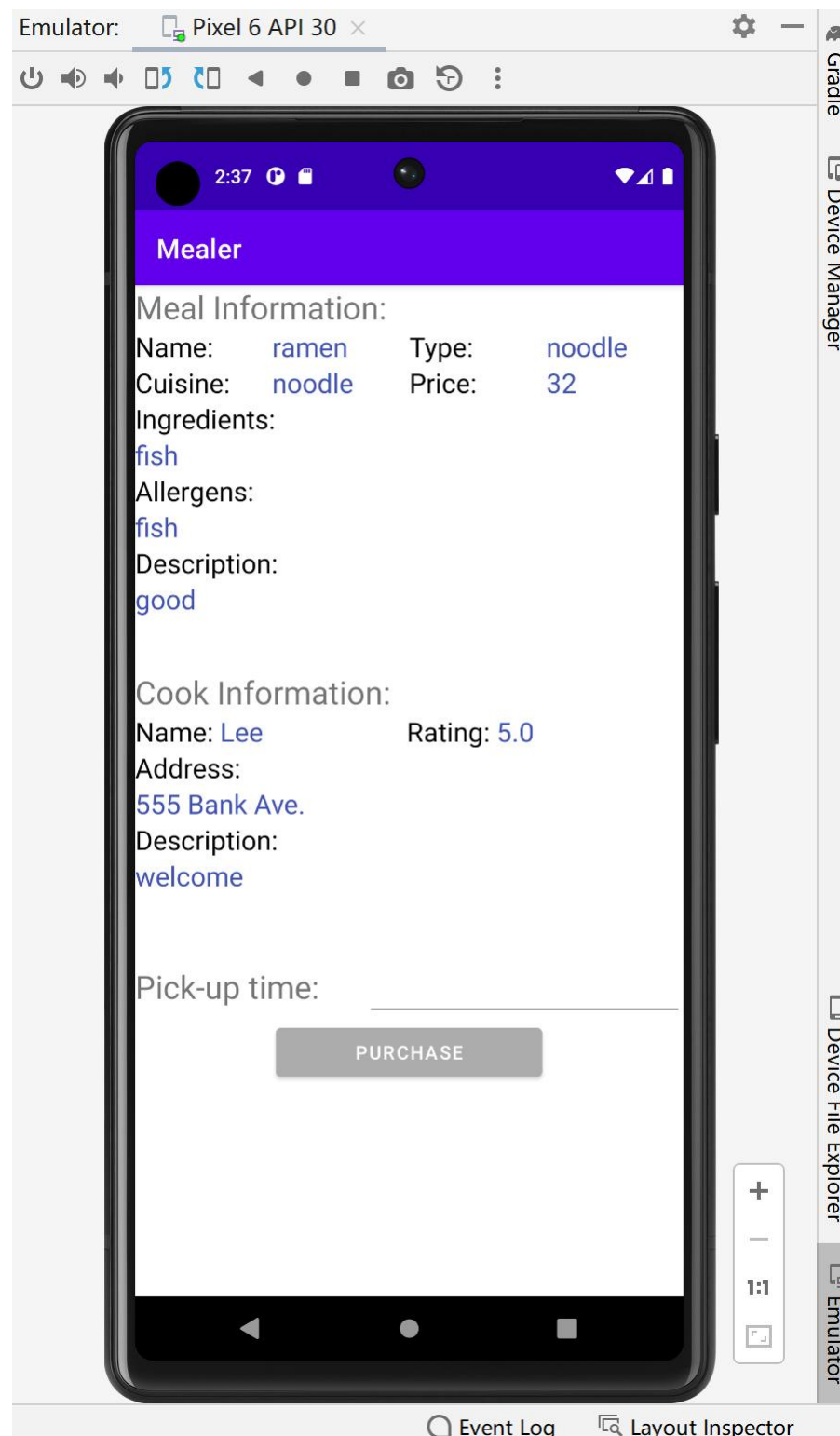
## Client searching page



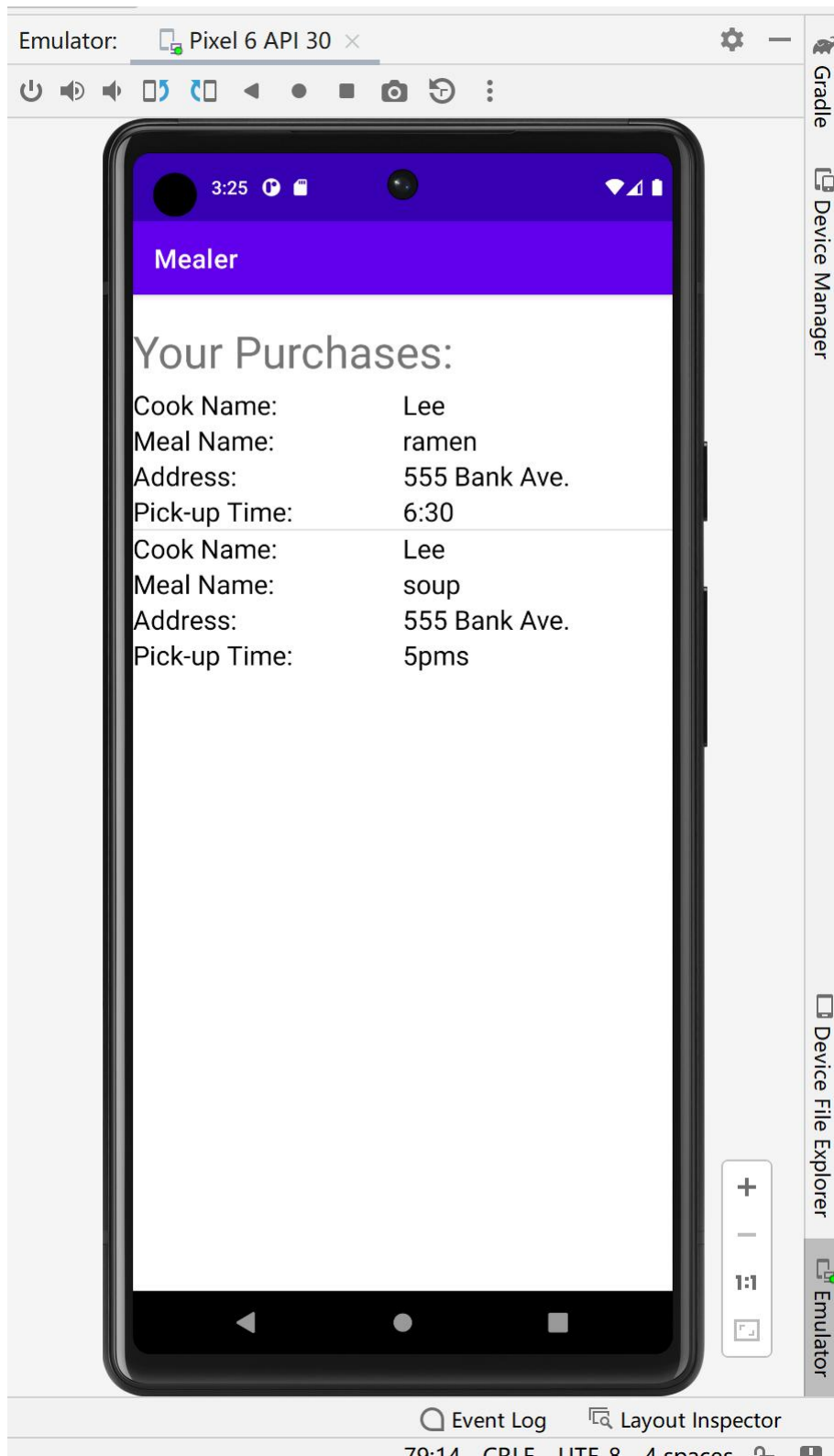
Client searching result page



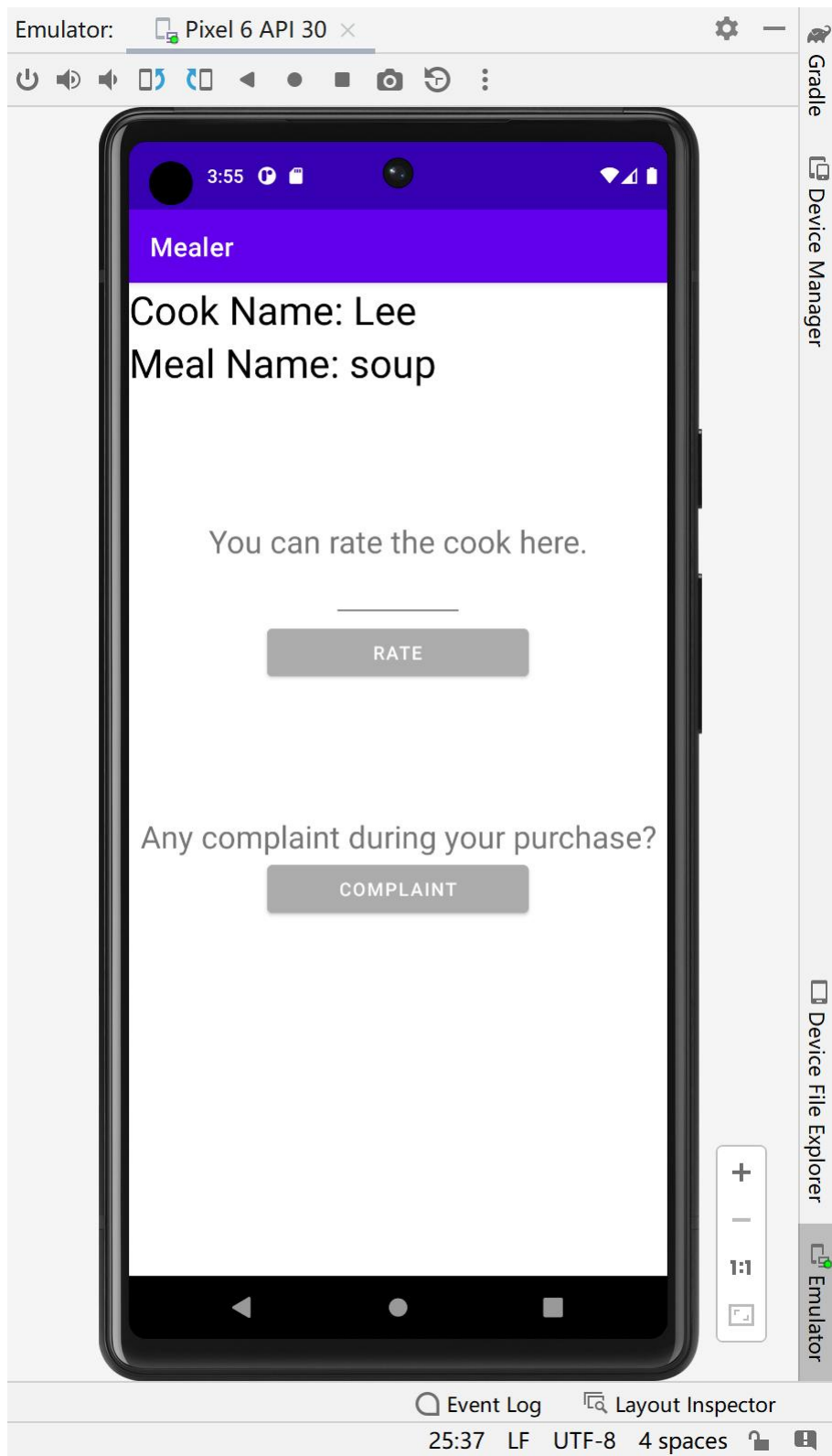
## Client order page



## Client view order page



## Client rating and complain page





## Lessons Learned

In this Android project, we designed a meal app. we learned a lot of new knowledge by using Android Studio in combination with what the team members knew to complete the project. The team members had used Firebase as the database for the app system in deliverable 1. Firebase is an online database. by connecting with the offline system, the account information registered by all users in the registration page of the project will be transferred and stored in Firebase. We found that by doing this we could significantly reduce the application's need for local memory and share the database across multiple locations. One of the things about the use of Github. The panelists found that while we knew how to use git for code upload and download, the git plugin that comes with the computer programming software would be much easier and more time efficient. The team encountered difficulties in completing the cook feature, which has two functions: offer meals and reject offer meals. Since both features are associated with the client, the team members needed to ensure that the client could not see the cookie rejecting the offer, so that the client would not place an order for the cookie rejecting the offer. However, since this step was split into different members at the beginning of the project, it was not possible to connect the code effectively. Although the program runs successfully, the result fails to prioritize the removal of meals from the client's page. This was the result of team members using different call

methods. This led to a renewed focus on the division of labor among team members. After several bug-finding sessions and redistribution of project content, we managed to implement its functionality in Android Studio's virtual phone.