

Criterion A – Planning

The Problem

A client is a delivery person, who manages all the delivery logistics in the local pet food shop. At the start of the day, he gets the lists of orders on paper from the call center operator, which then is organized by him for delivery.

I got to know the problem at one of the dinner gatherings in which he was explaining to us how much of a headache it was to get, organize and then deliver all the orders on the same day. He also said that if he had an assistant which would take some of the work and responsibility, it would help the business and the workload itself by losing less time on logistics, thus having more time on delivering the products.

This was the moment when an idea sparked about an application that would help my client digitally? So, I decided to ask him if he was willing to meet with me to get to know the problem in-depth and propose a possible solution.

For an interview please access Appendix I.

The Rational of Solution

The app would provide a helping hand in managing the logistics by creating the general function which would help my client in adding the orders and clients and then saving them to the database. Whenever needed he can access the database from the app to read or delete the clients/finish the orders, while having to help with functions like call forwarding, location forwarding, and map of orders. This functionality can also be compared to Google Maps which can be used similarly, but my application would provide a more efficient and all-in-one solution.

Keeping in mind these proposed and then developed functionalities, I decided to make my program in Android Studio because of the following reasons:

- Easy to integrate the online database with the Android Studio assistant tool.
- Easy to integrate google maps because of its integrated fragment.
- Easy to create a user-friendly UI with the help of Material Design.
- Android Studio is taught in school.

Success Criteria

- The application will provide a user-friendly UI.
- The application will allow the user to add the order to the database and then finish it. During the addition process, the client will input order information and a client. If the client doesn't exist the user will add it and then choose the client.
- The application will allow adding the client by inputting the client's name, address, and number.
- The application will allow the user to see the order location in google maps and call forward from within the app.
- The application will allow the user to see the client address location in google maps and call forward from within the app.
- The application will allow the user to see all the orders marked with their information in google maps.

Word Count: 464