



Order App, Cross-Platform

Cross-Platform - Second Project Design Document
Student: Victor Ribeiro Cardoso
Student Number: 6930

Summary of the App	3
Audience	3
The Experience	3
Ho the App Will be Used	4
Main Features	4
Problems	4
Wireframes	5
Mockups	7
Workflow	8

Summary of the App

This will be the final app made with React-Native framework. In this project, we will focus on the importance of being able to have one code that runs in more than one kind of application. Focusing on Android and IOS.

The app intends to be an easy platform where a manager from a café can calculate his order needs. For example, according to his place capacity, and how much the stock has at the moment, the app would predict how much product it needs for the next day.

For this phase, it will be a very simple app more focused on the React-Native instead of the real functionality, where there is not enough time to be done a complete version running. However, it is already possible to connect, store and make changes in the database through a custom API. Moreover, it also implemented graphs on the screens to show the product usage through an external dependency. After the presentation of this project, the idea is to keep working on it and have a real function app.

Audience

The audience for the app are managers from small café that want to have quick access to a database that keeps its usage of the product, how much it has space in the stock and the app would predict the amount of product it needs for the next day.

Order the right amount of product for a small café is a daily task for in the business that can give a lot of headaches and too much extra time. Having an easy access to the information need and a recommendation save hours for the manager to focus in other activities. Moreover, a simple method of keep track of the usage and how much it normally needs reduce the wastage of the café and also increases the profit of the business.

In this sense, the target are young workers responsible for the forecast of the small café between 25 to 45 years old. That age of the group target normally does not want to lose time with papers or calculations like this. Therefore, an easy app where would take care of registering the daily usage and predicting the next day's needs would accelerate their daily job and they could focus on other tasks.

The Experience

The approach is extremely simple which matches with the goal of the app, where the user can easily manage in different screens the products in need.

How the App Will be Used

Scenario 1:

During the day, when the business has to plan the order for the next day or week, the user can easily open the app, go to the product in desire. In the screen of the product the user can see how much the product is in need according to the calculations in the app.

Scenario 2:

In the end of the day, the user will access the app to register the amount of product it was used. That activity is already a normal task of a manager day. However, the user will be able to save a database and have better predictions with more data been saved regularly.

Main Features

1. Sign Up and Login system
 - a. That will help to have a individual database for each business when the app is more advanced in the development.
2. Check products usage - Graph
 - a. Each screen of particular products will have a small graph with the past recent usage.
3. Calculate the amount of product in need
 - a. For that phase of the project, we will only have the interface working. The next phase it will be to implement the graph and the calculations being showed according to the database that will be continuously created by the user.

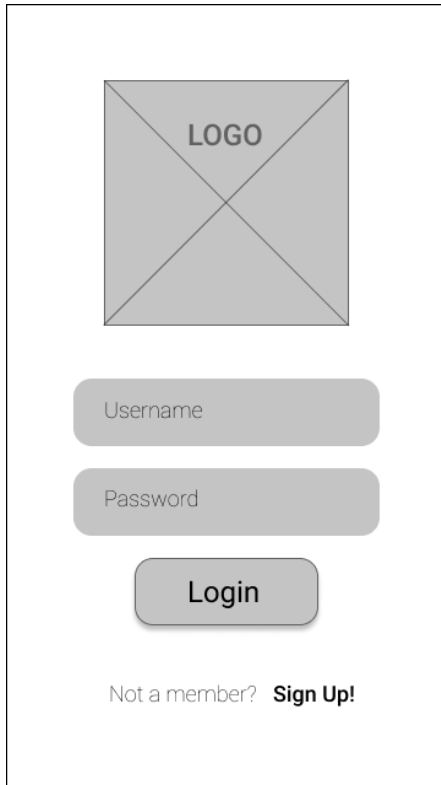
Problems

The problems relate here in this documents are expected, considering the time frame for production of this application. However, it is planned that the project will be kept in development, so it can fix problems as well as implement the functionalities.

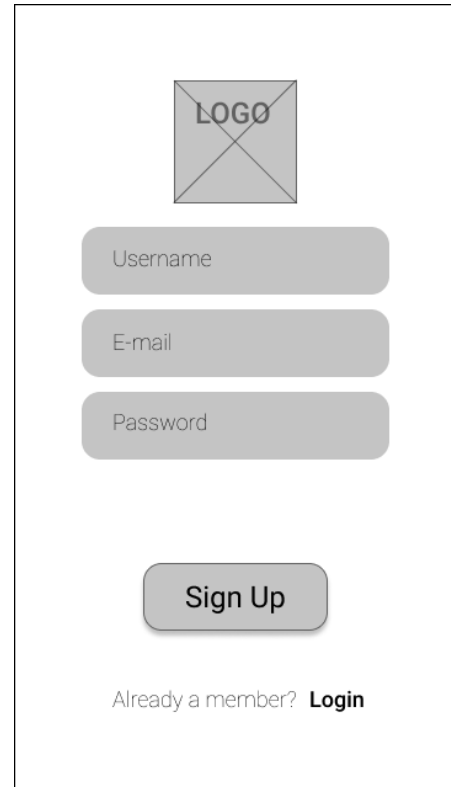
- Login is still not finalized. However, database is connected to the app through custom API made by me, **Victor Ribeiro Cardoso**.
- The functionalities of the app are restricted. Where you can not really calculate for real the number of products. During this first phase, I only could focus on the interface scene, due the lack of time to develop more functionalities.
- Graph is showing only random number. In the next phase the graph will be changed according to the database that is connected to the application.
- Database is only Localhost at the moment. Same apply for the API created.

Wireframes

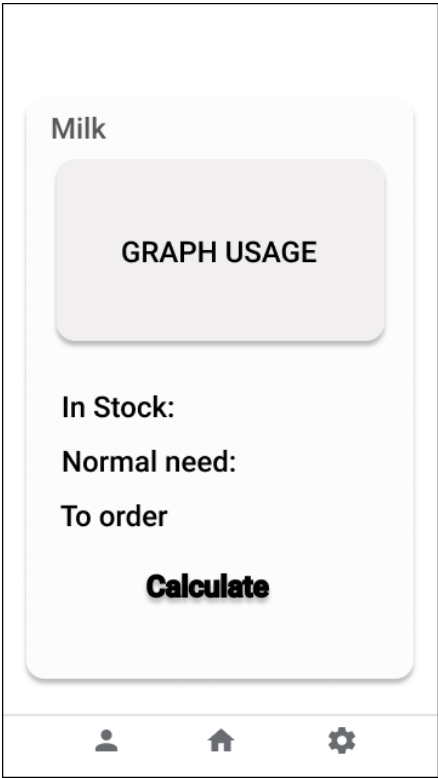
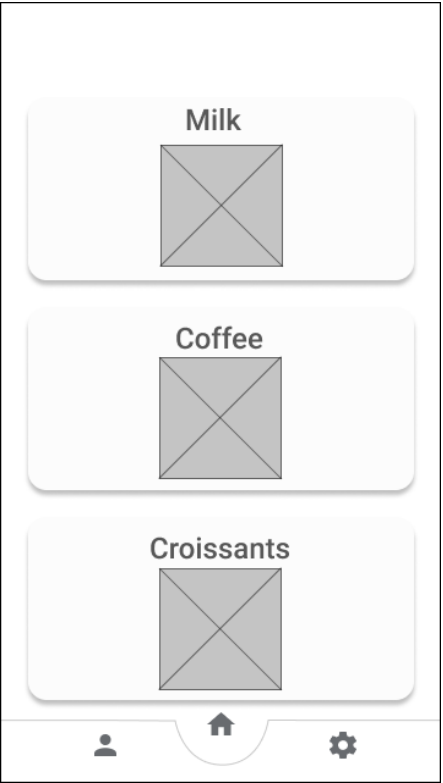
Find below the representation of few screens of the application. It is important to say that the design can be changed during the process according to the real needs.



A wireframe for a login screen. It features a large square placeholder for a logo with the word "LOGO" in the center. Below the logo are two rounded rectangular input fields, one labeled "Username" and one labeled "Password". Underneath these fields is a rounded rectangular button labeled "Login". At the bottom of the screen, the text "Not a member?" is followed by a bold "Sign Up!" link.

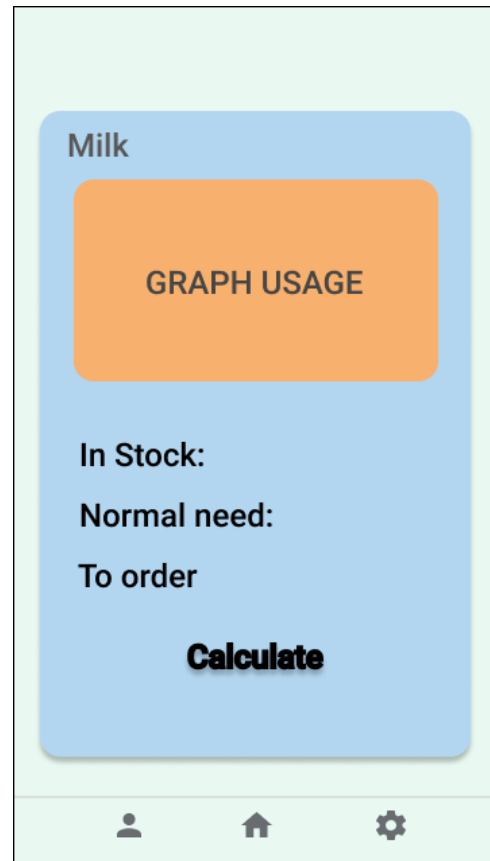
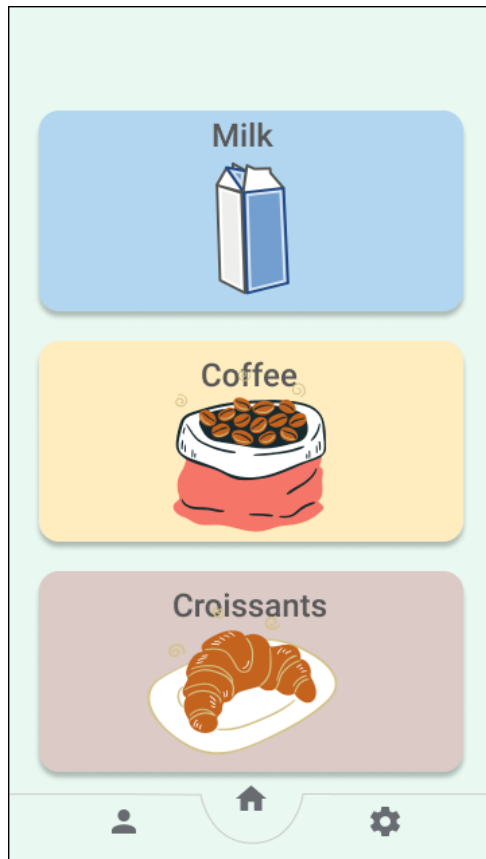


A wireframe for a sign up screen. It features a small square placeholder for a logo with the word "LOGO" in the center. Below the logo are three rounded rectangular input fields, labeled "Username", "E-mail", and "Password" from top to bottom. Underneath these fields is a rounded rectangular button labeled "Sign Up". At the bottom of the screen, the text "Already a member?" is followed by a bold "Login" link.



Mockups

Find below the representation of few screens of the application. It is important to say that the design can be changed during the process according to the real needs. In the prototype (find link in the next section) you can also see all the other screens with colors and functionality.



Workflow

To see the workflow of the application, please, access the prototype through the link below. The link will send you to FIGMA website with access to the prototype where you can touch the buttons and the functionalities as it is a real application on a phone.

<https://www.figma.com/proto/3W6zD30WfKB3Fh6LVVQuP/Order-Wireframes?node-id=1%3A2&scaling=scale-down&page-id=0%3A1>