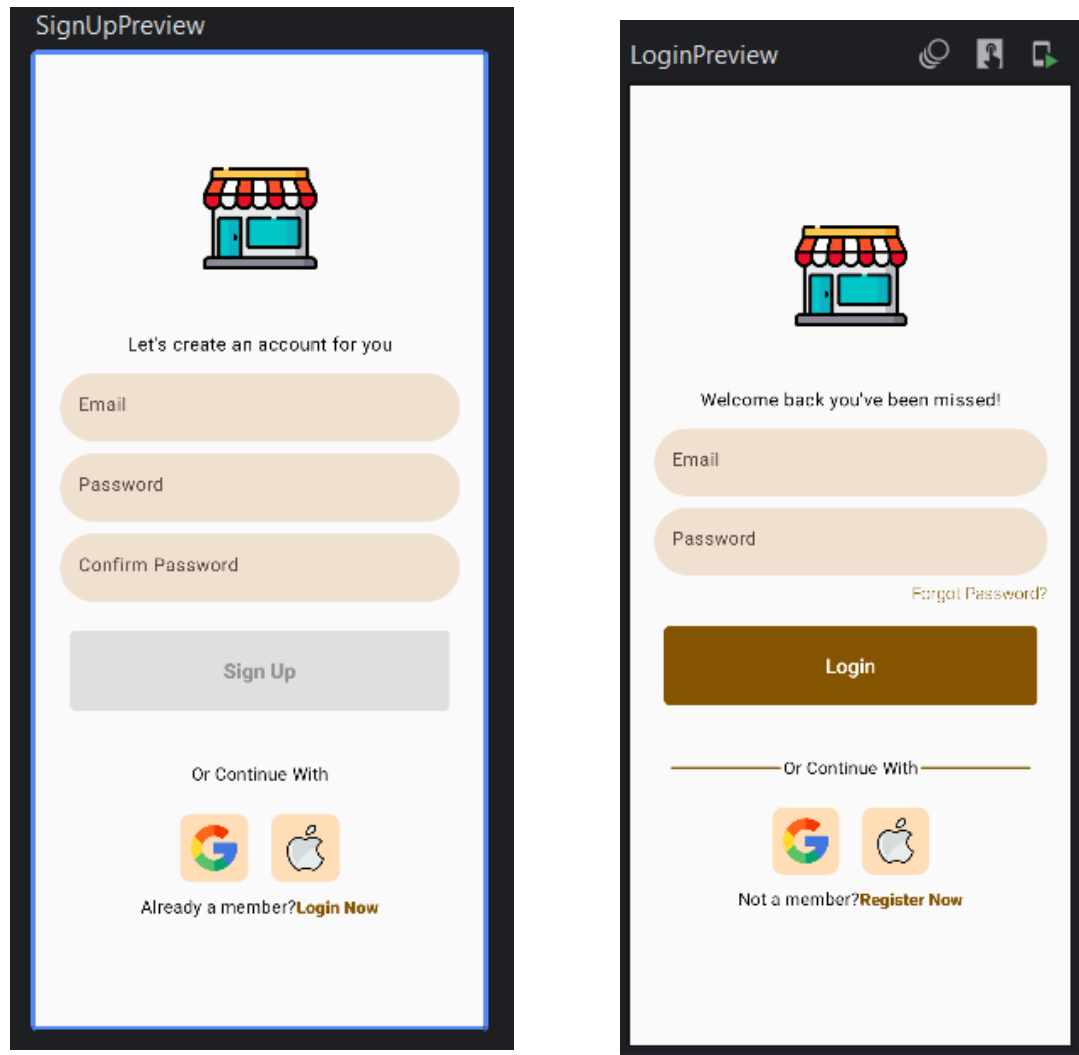# Mobile Apps
Final Project
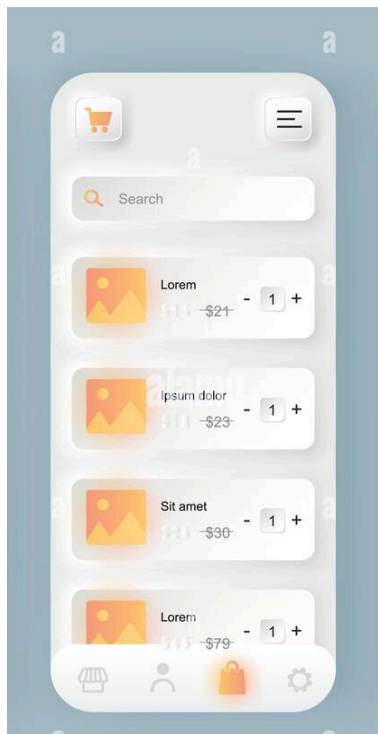
Tsangou Sarah

04 April 2024

I Re-used login and signup screen from assignment 1 and updated colors using Material Themes and new images. I helped myself with the following tutorial: Theming in Compose with Material 3

And generated my themes here and later when i changed the colors with this webSite: Material Theme Builder
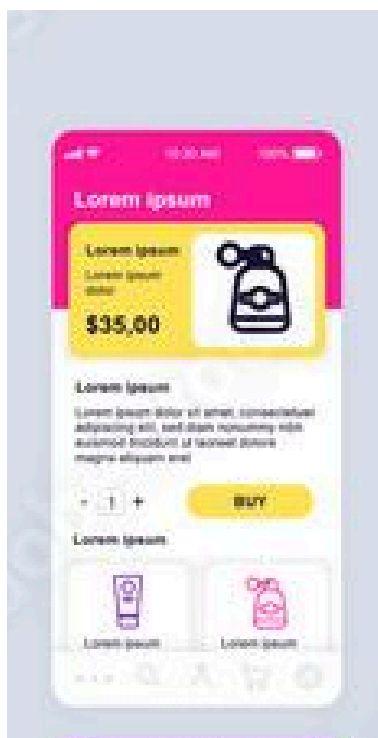

I then made the decision to only use material themes to choose the colors of my app Because it would make the process of customizing them and changing said coors later way easier
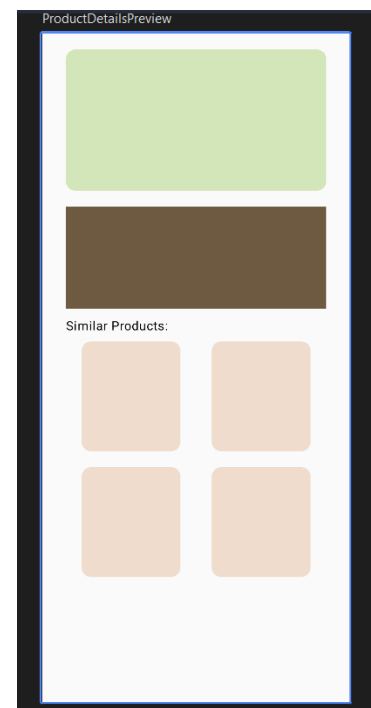
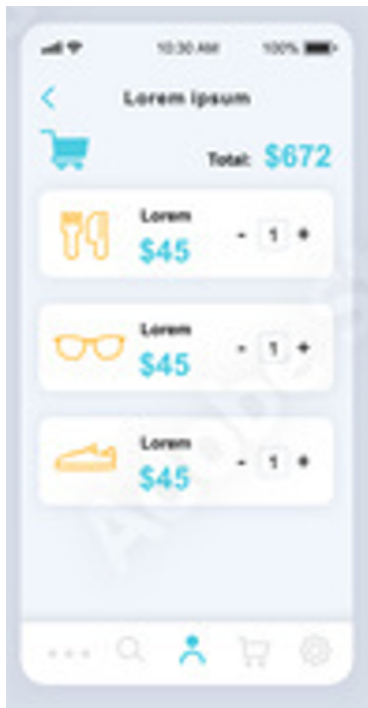searched online for shop screen ideas will try to replicate those:

blocked ou version of product list

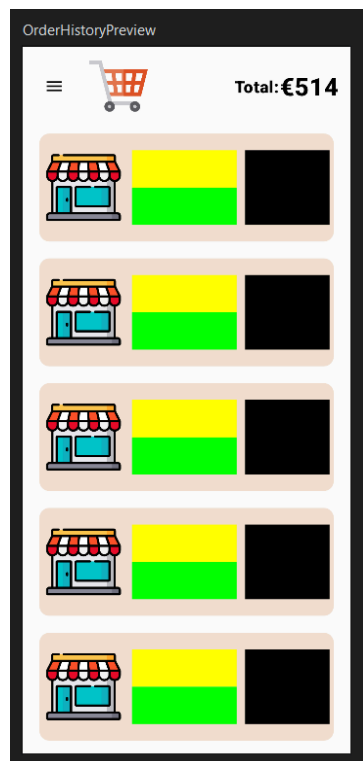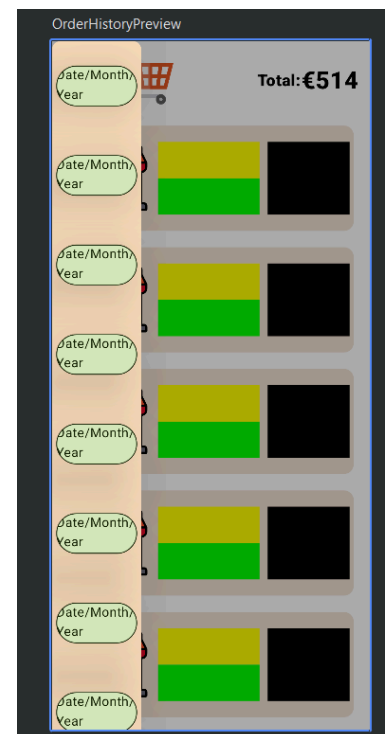blocked out version of product details
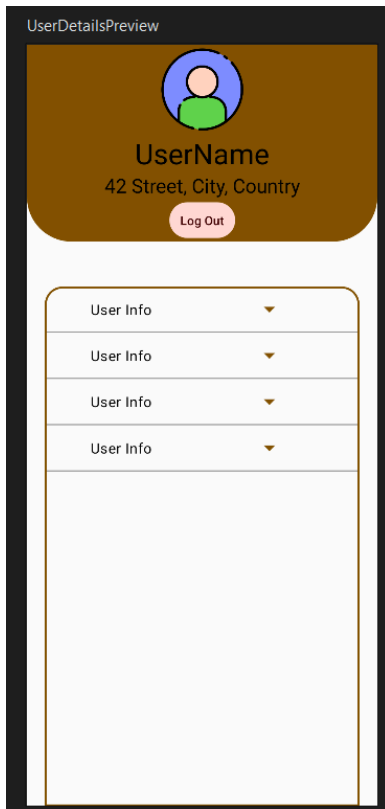
blocked out version af cart list

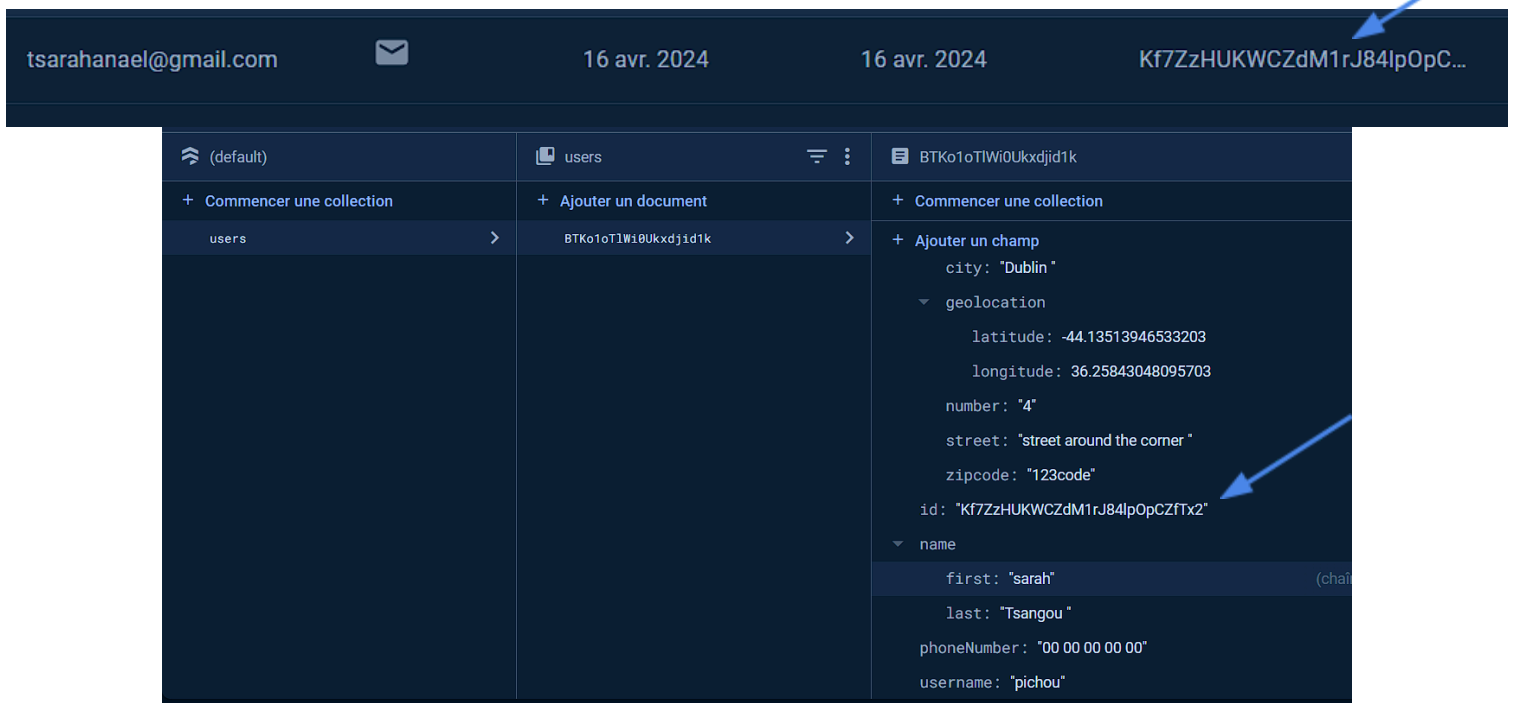Made a very similar view for order history but added a drawer to choose which order to view

It can be noticed that the product list, Show cart and order history view are very similar so i can make a common Composable out of the similar parts this will make the back end easier as well
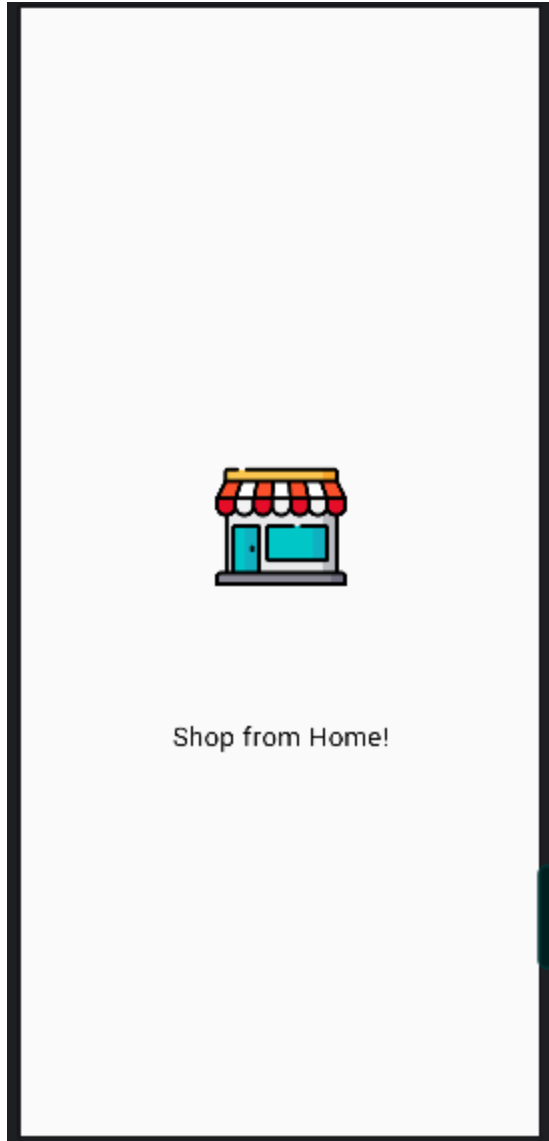
I made a pretty simple blocked out version of theuser details screen as well

I Then created a firebase project and handled users I decided to Create a firestore database with a collection in witch all users will ha a dedicated file with all their info

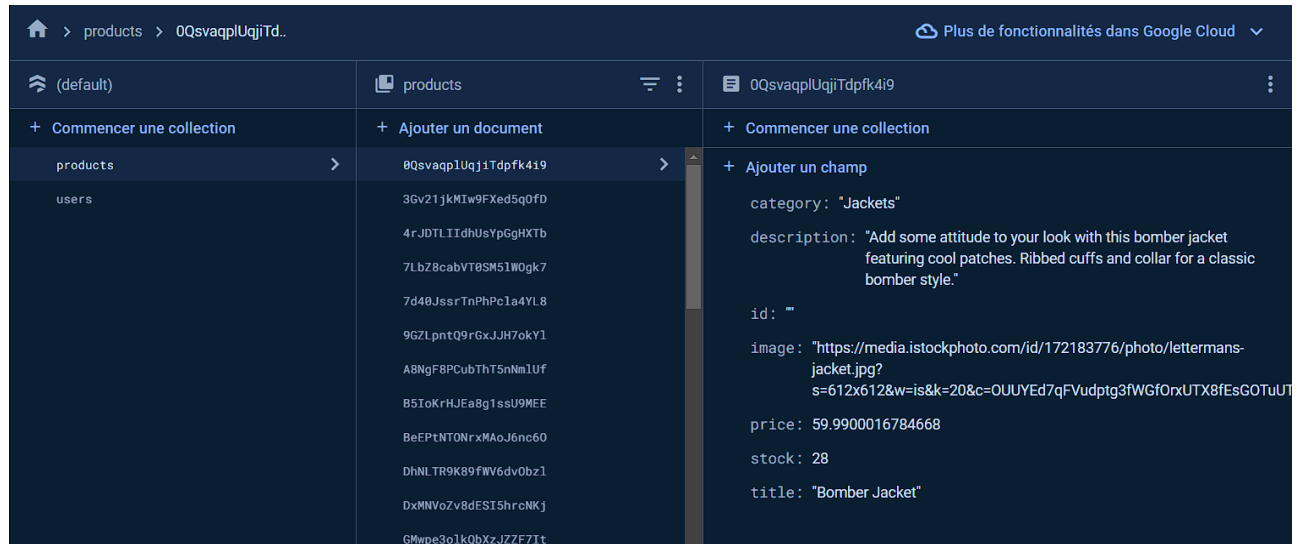Thankfully Firebase Authentification already stores the userId on the app as long as the user hasn't logged off.

So i simply had to implement a simple splash screen that would check weather or not a user is logged in and then redirect to the corresponding composable.
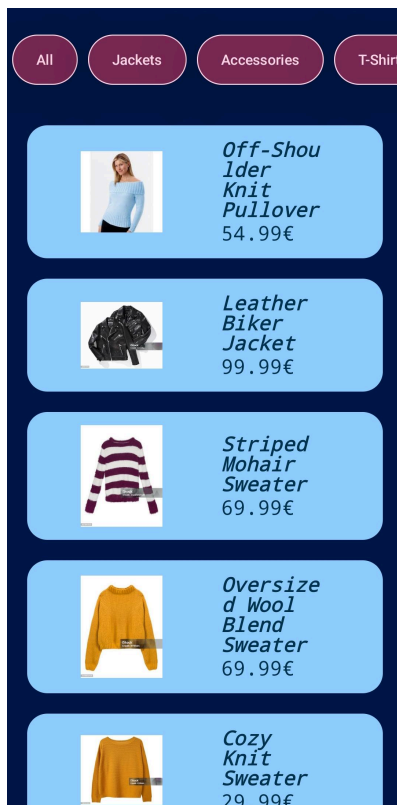
I then made the choice to create my own API using firebase to get some data for the different products.

I made this decision because i have already understood how to use firebase and create my own database thus i feel more comfortable using it rather that learning and implementing another API into my project

So i created my Firebase database while getting inspiration from fake store API given in the documentation
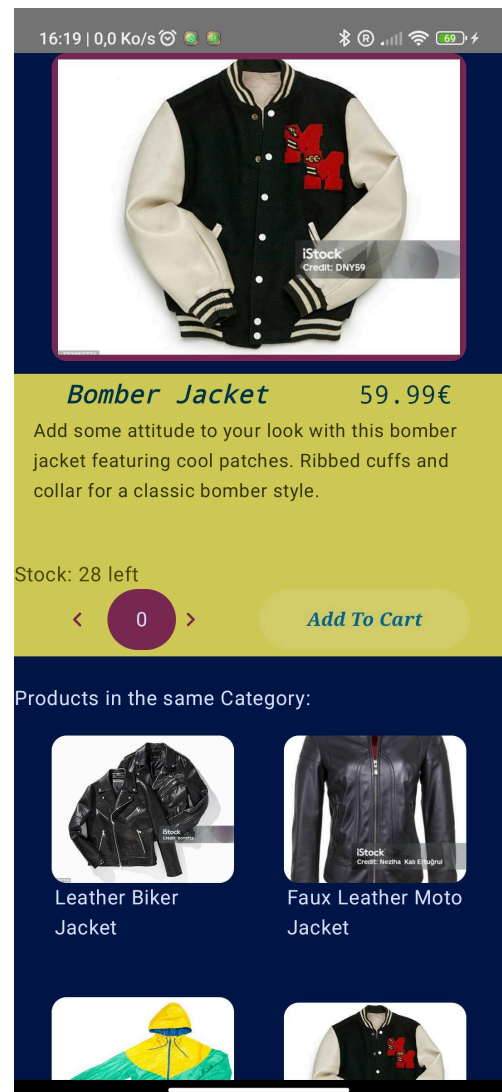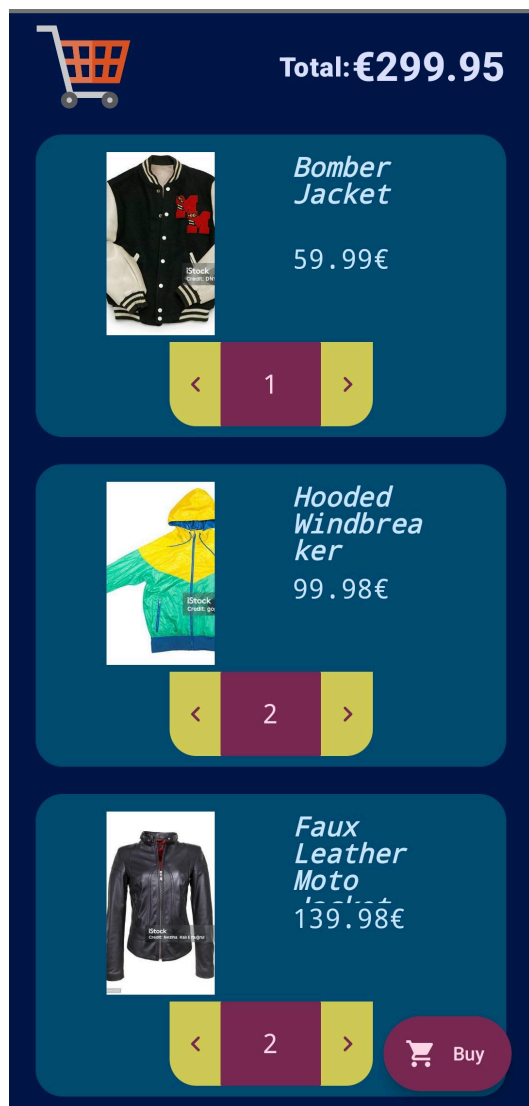

Here iswhat the screen looked like once the data was implemented into the app.
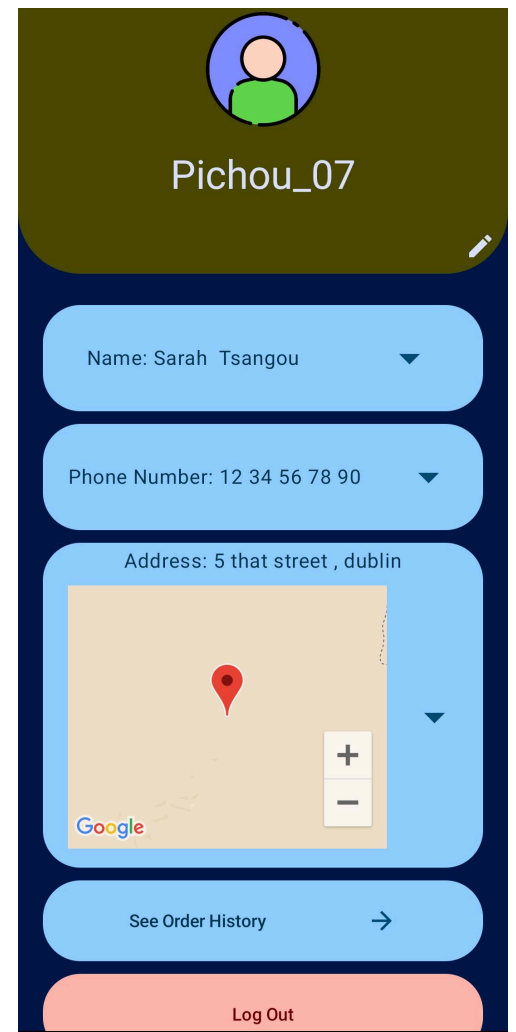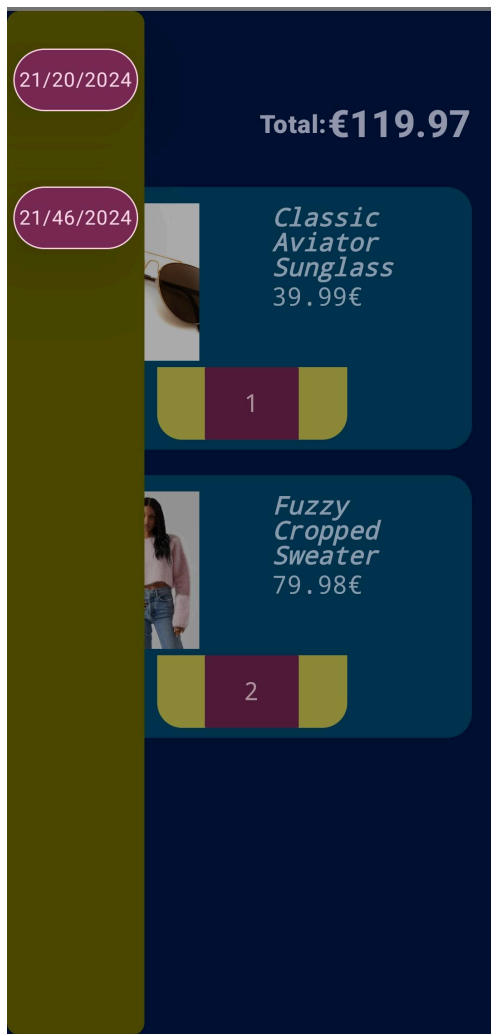

Final Product Listing Composable

Final Product Details Composable

Final Cart Composable

Final UserDetails

I used this guide to implement a map into the composable:
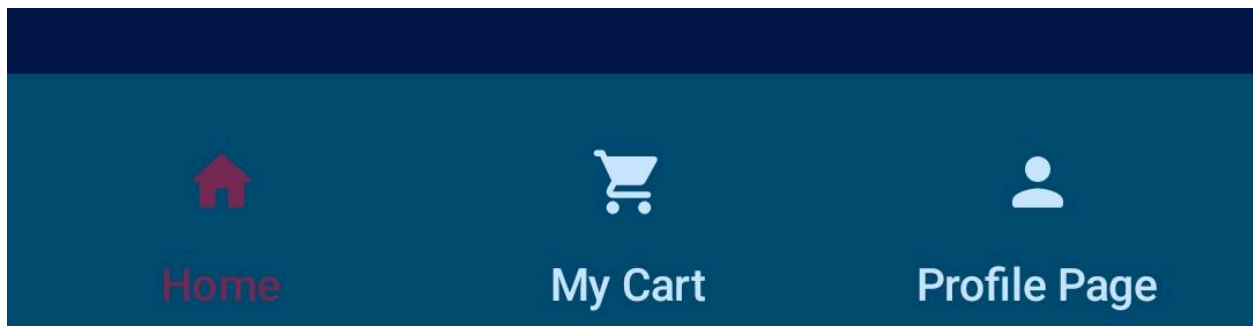Maps SDK for Android Quickstart | Google for Developers
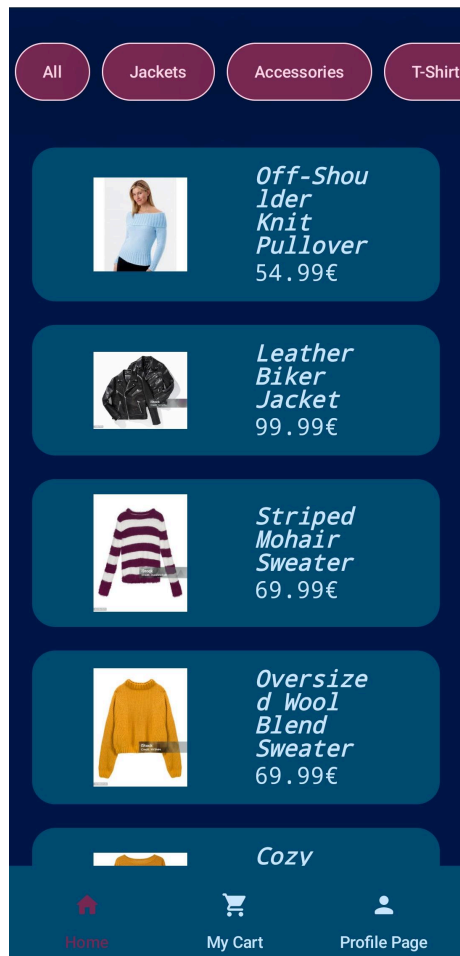

Final Order History Composable

(Note that i changed the colors it didn't take me any time at all thanks to the decision made earlier of using themes and it looks nicer)

In this part I spent the most time handling the composable that had to be updated. I had to learn to use the mutable states in kotlin and understand when jetpack will and won't recompose composables.

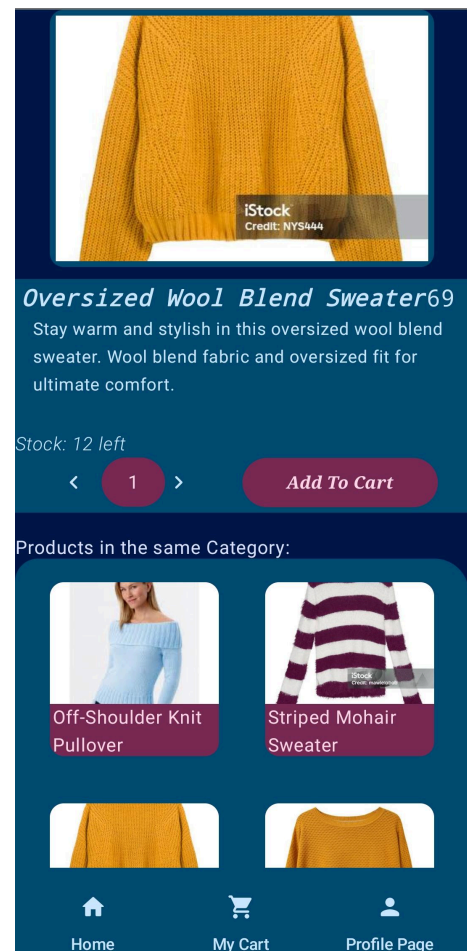I then decided to add a simple bottom navigation bar to allow the user to navigate between the composables
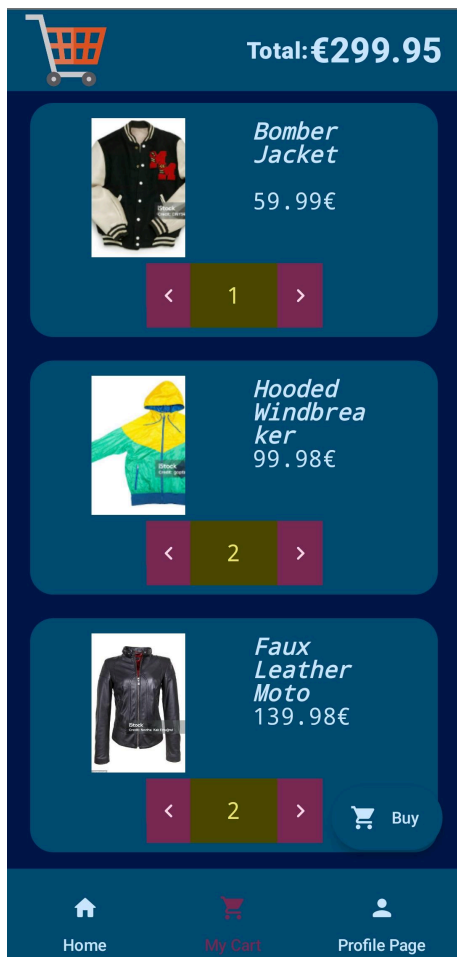
Here are the final screens of my app:
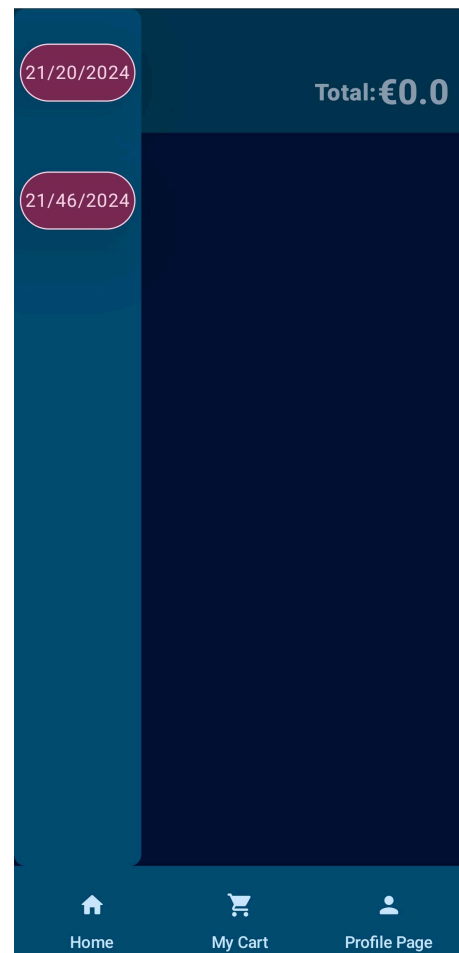
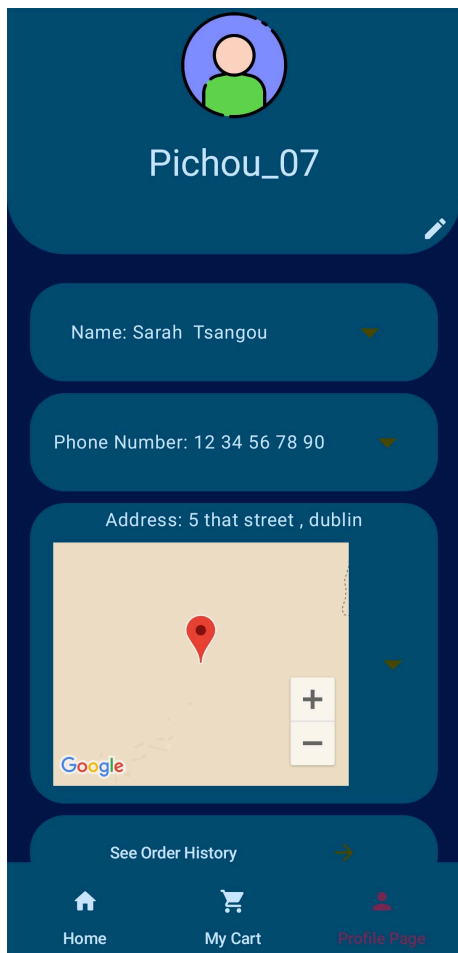

Product Listing
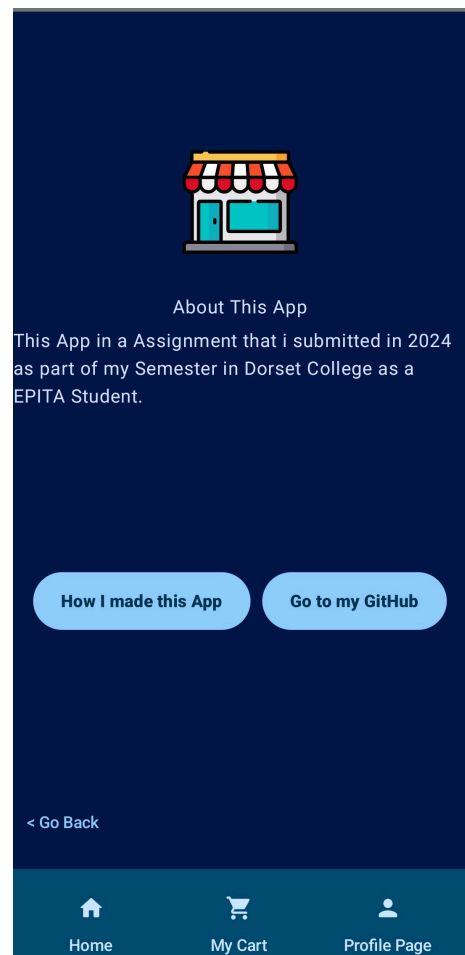
Product Details

User Cart

User History

User Details

About this App

Let's create an account for you

Email

Password

Confirm Password

Sign Up

———— Or Continue With ————

Already a member?**Login Now**

Sign Up Page

Welcome back you've been missed!

Email

Password

Forgot Password?

Login

———— Or Continue With ————

Not a member?**Register Now**

Sign in Page

icons from: https://www.flaticon.com