

## Online shopping application



**Nouran Hisham Mohamed Ismail**

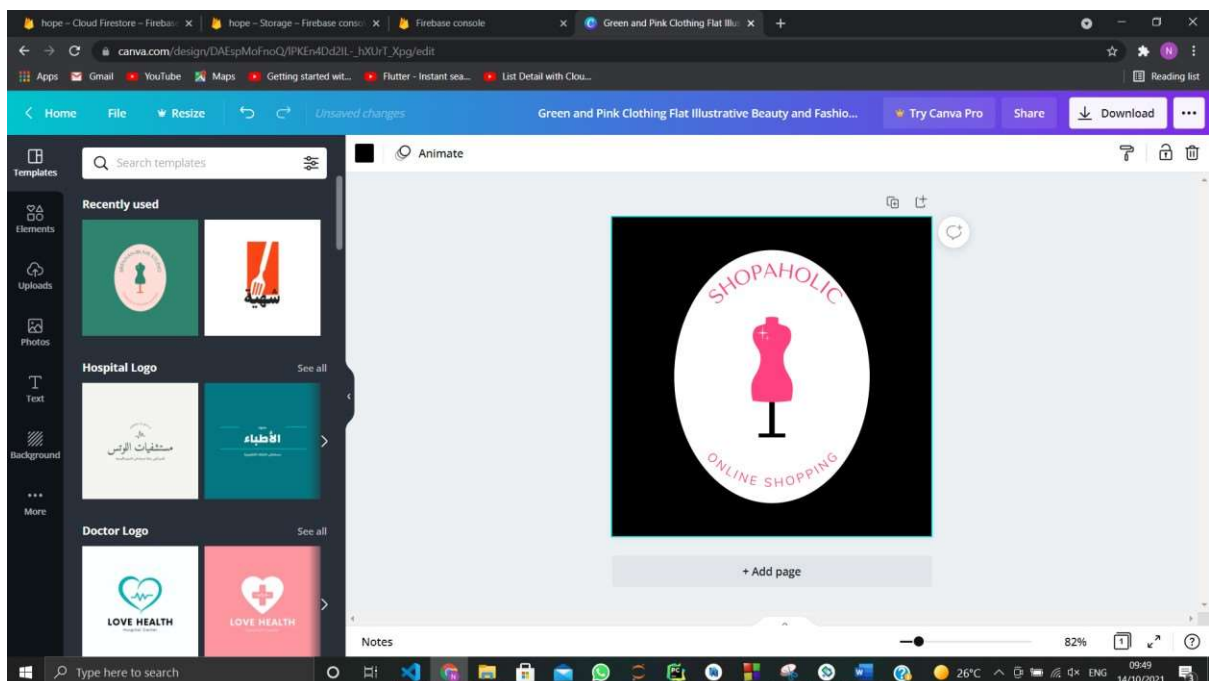
## About:

Shopaholic is an online shopping application that is developed using dart and flutter on visual studio code. It allows you to make an account, scroll through tons of clothes in many categories to buy whatever you like by just clicking the add to cart button and even add clothes to the application to put them for sale.

The database for this application is made using Firebase Authentication for user's accounts and Firebase Cloud Firestore for storing the products that are available for sale and their details.

It has to be mentioned that this version of Shopaholic application is only version 1 so that we know that we're on the right track and many further modifications will be made in the future.

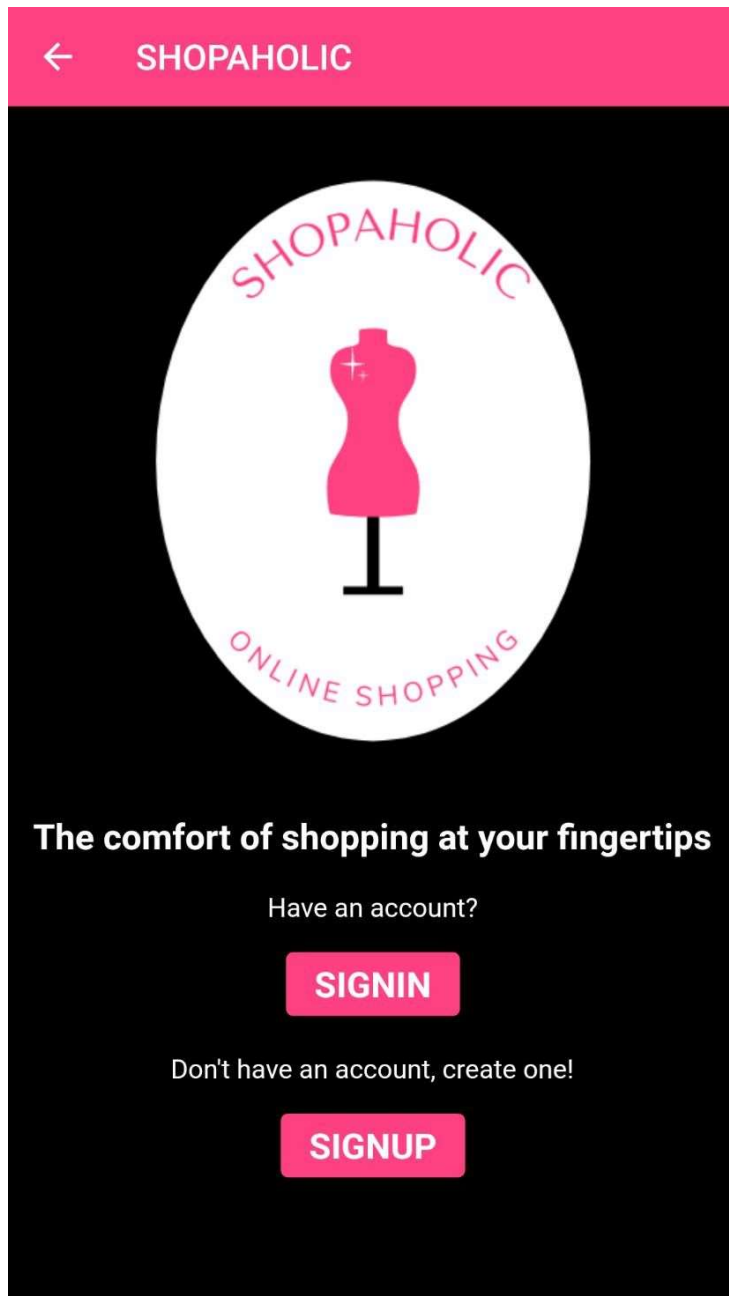
Additionally, shopaholic logo was designed by canva.



## How the applications works:

The first screen that will appear to the user when downloading the application for the first time is the start screen which gives the user two choices, whether to sign in if he/she already has an account or signup if he/she are using the application for the first time.

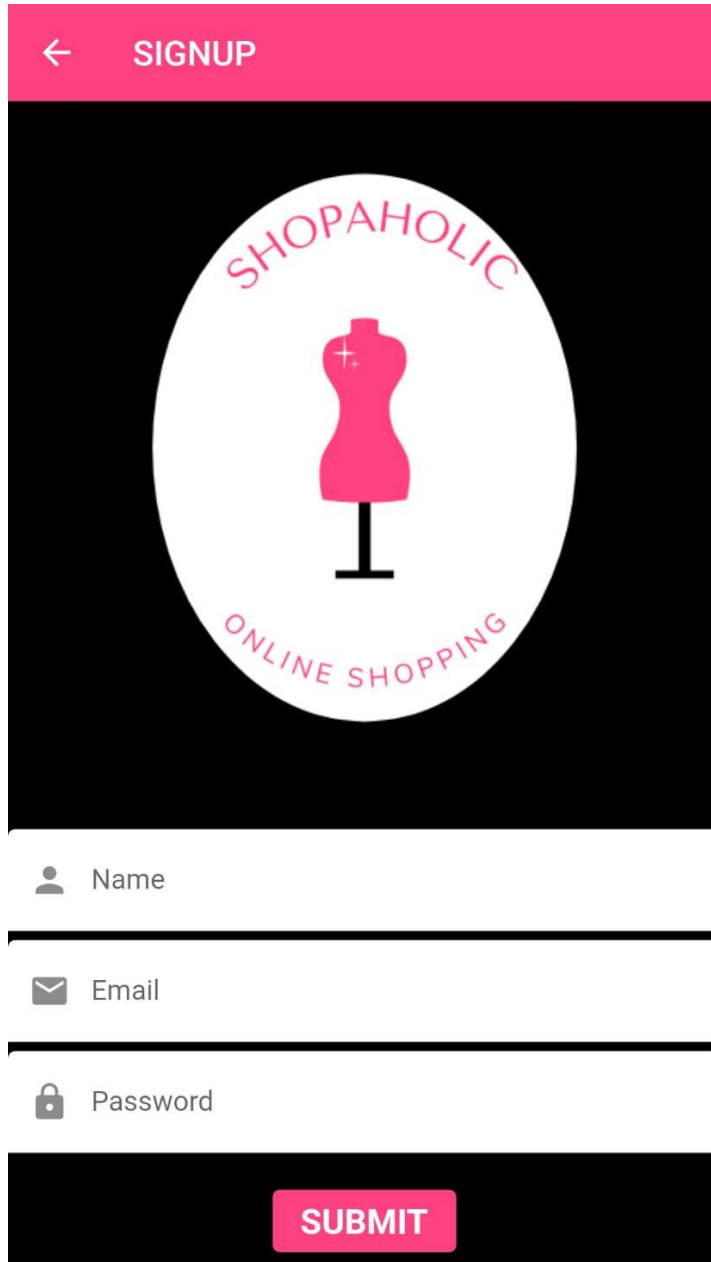
### Start Screen



Assuming the application is being used for the first time, the user will choose signup then he/she will be taken directly to the signup screen in which they will be asked to enter their name, email and password.

Due to working with Firebase Authentication, the application makes sure that each email address that any user enters is unique which means that there can't be more than one account with the same email address and in that case an error message saying "Try again" will pop up to the user.

### Signup Screen



← SIGNUP

SHOPAHOLIC

ONLINE SHOPPING

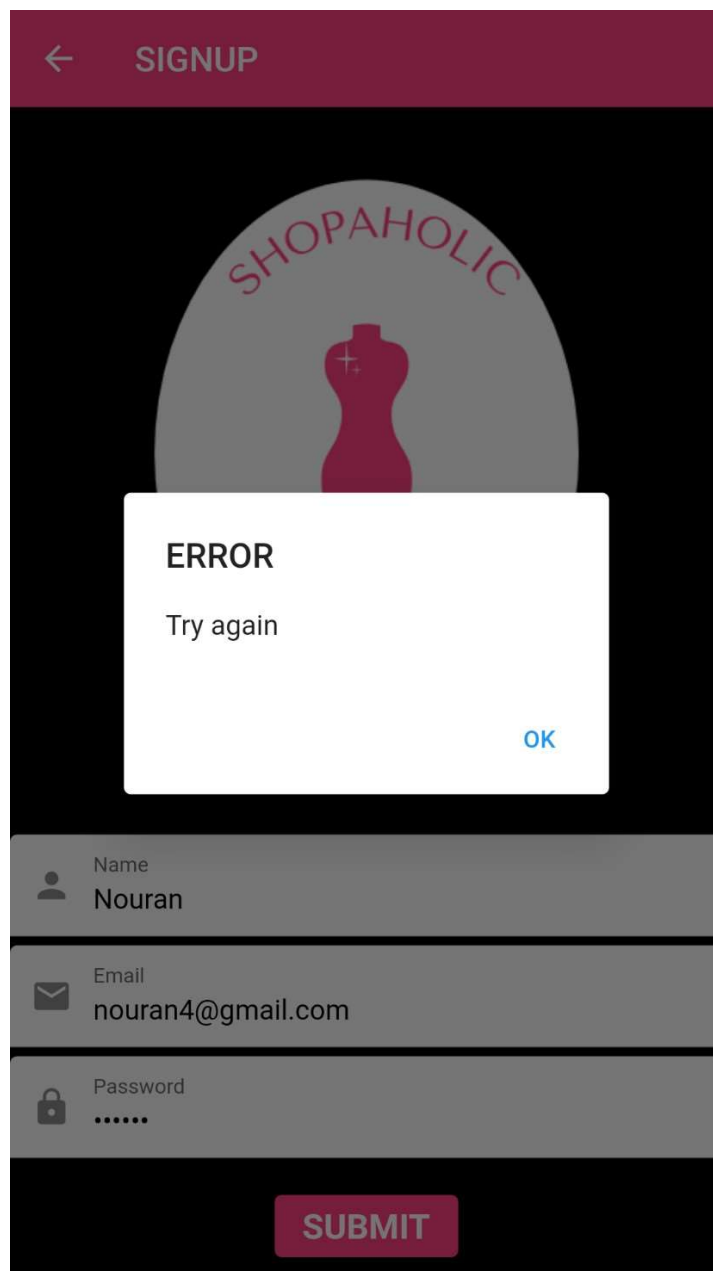
Name

Email

Password

SUBMIT

### Error message



The screenshot shows a mobile application interface for a store named 'SHOPAHOLIC'. At the top, there is a dark red header bar with a back arrow and the text 'SIGNUP'. Below the header is a dark background featuring a large, light gray circular logo with the word 'SHOPAHOLIC' in a semi-circle and a red dressmaker's mannequin silhouette in the center. An error message dialog box is overlaid in the center, with a white background and a thin gray border. It contains the text 'ERROR' in bold, 'Try again' in a smaller font, and an 'OK' button in blue. Below the dialog, there are three input fields with gray backgrounds and dark gray borders. The first field is labeled 'Name' and contains the text 'Nouran'. The second field is labeled 'Email' and contains the text 'nouran4@gmail.com'. The third field is labeled 'Password' and contains six dots. At the bottom of the form is a red rectangular button with the text 'SUBMIT' in white capital letters.

← SIGNUP

SHOPAHOLIC

**ERROR**

Try again

OK

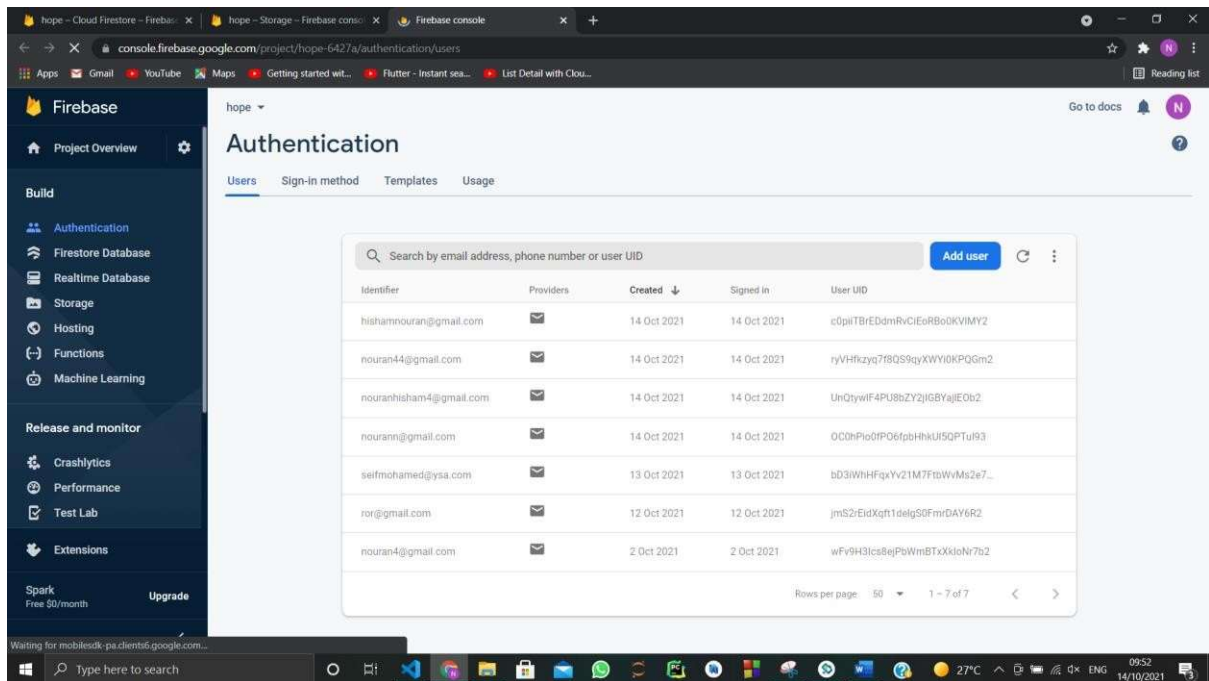
Name  
Nouran

Email  
nouran4@gmail.com

Password  
.....

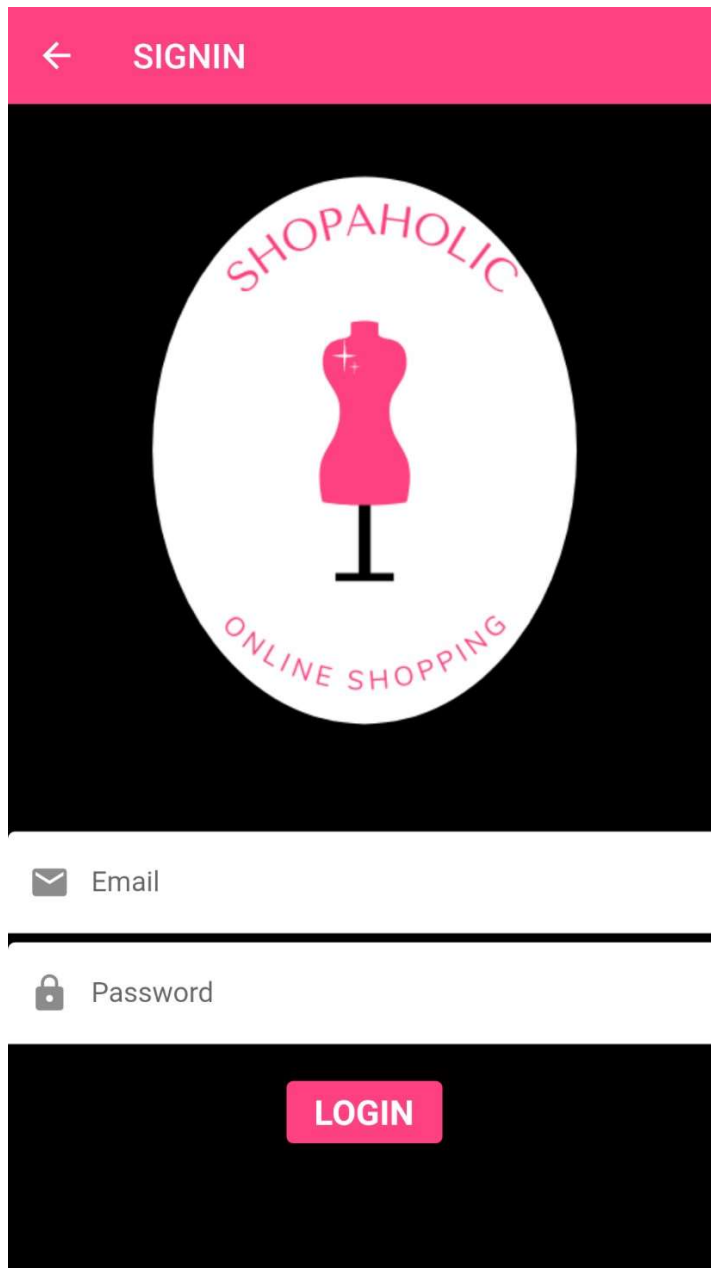
SUBMIT

## User registered in firebase authentication



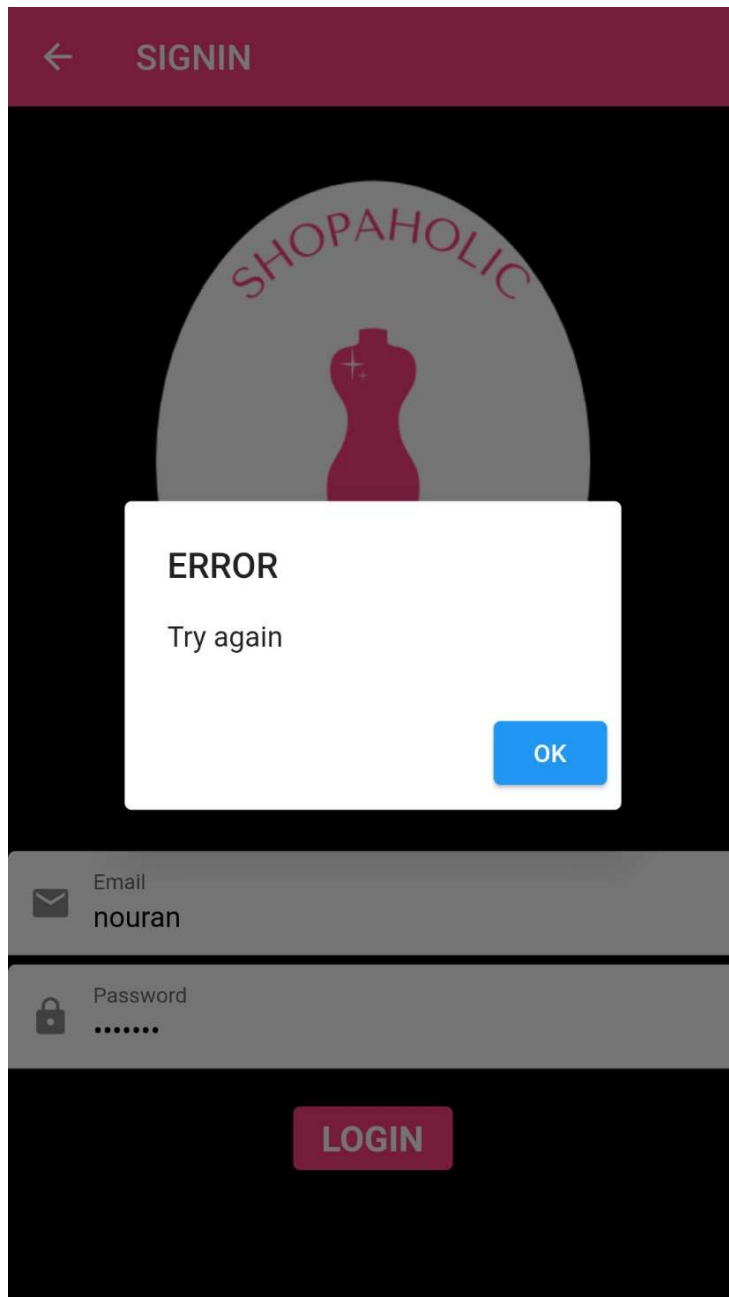
In case the user already has an account, he/she will choose to sign into their existing account instead of creating a new unnecessary one, so after being transferred to the sign in screen, the user will be prompted to enter their registered email address and password and when they match together as saved in firebase, the user will be directed to the welcome screen. Otherwise, an error message will appear to the user as well.

## Sign in Screen



The image shows a mobile app interface for signing in. At the top, there is a pink header bar with a white back arrow and the text "SIGNIN". Below this is a large black rectangular area containing a white circular logo. The logo features a pink dressmaker's mannequin with a small white star on its chest. The word "SHOPAHOLIC" is written in pink, curved text above the mannequin, and "ONLINE SHOPPING" is written in pink, curved text below it. Below the black area, there are two white input fields. The first field has a grey envelope icon and the label "Email". The second field has a grey lock icon and the label "Password". At the bottom of the screen, there is a large black rectangular button with the word "LOGIN" in white, bold, uppercase letters.

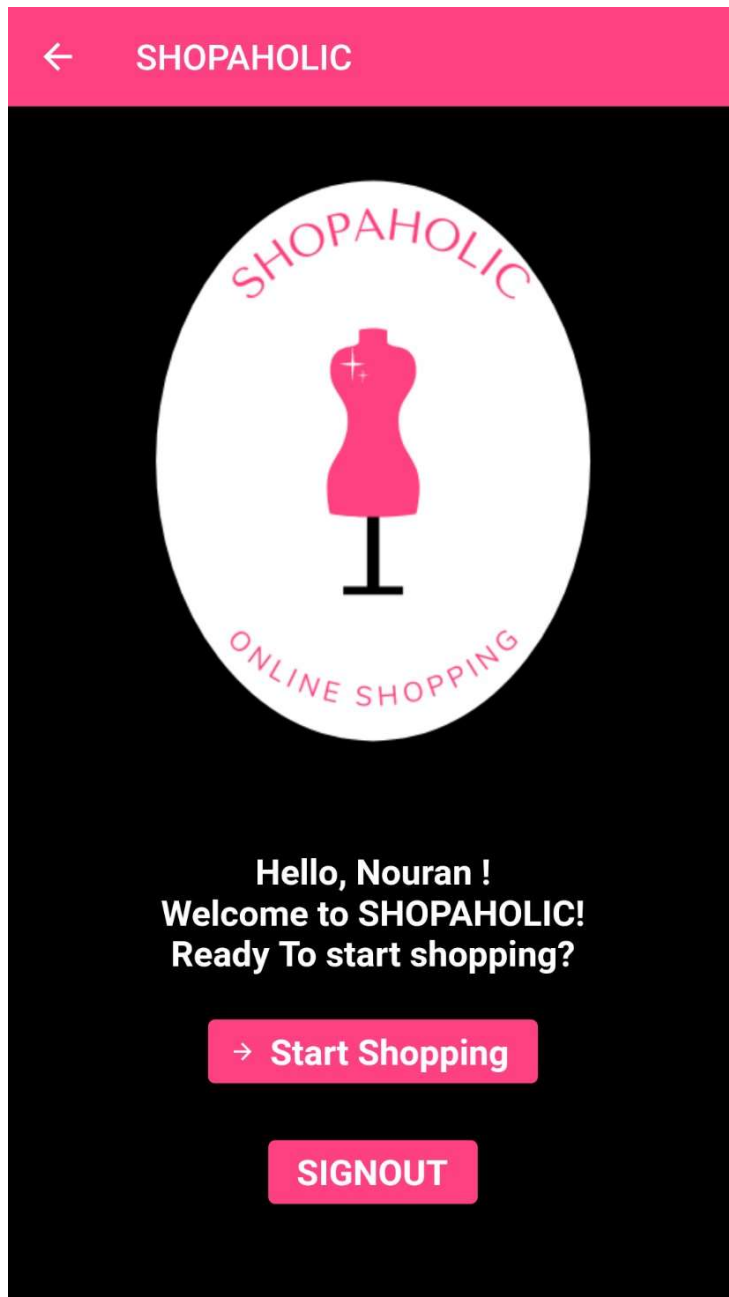
### Error Message



Once the user signs in and closes the application without signing out, he/she will automatically be taken to the welcome screen whenever they re-open the application and save for them the hassle of signing in all over again each time they need to use Shopaholic.



## Welcome Screen



After the user is met by a war welcome message, he/she will be given the choice of whether to proceed and start shopping or sign out.

In case they decided to start shopping, they will be directed to the shop screen. If them decided to sign out, they will be re-directed to the start screen.

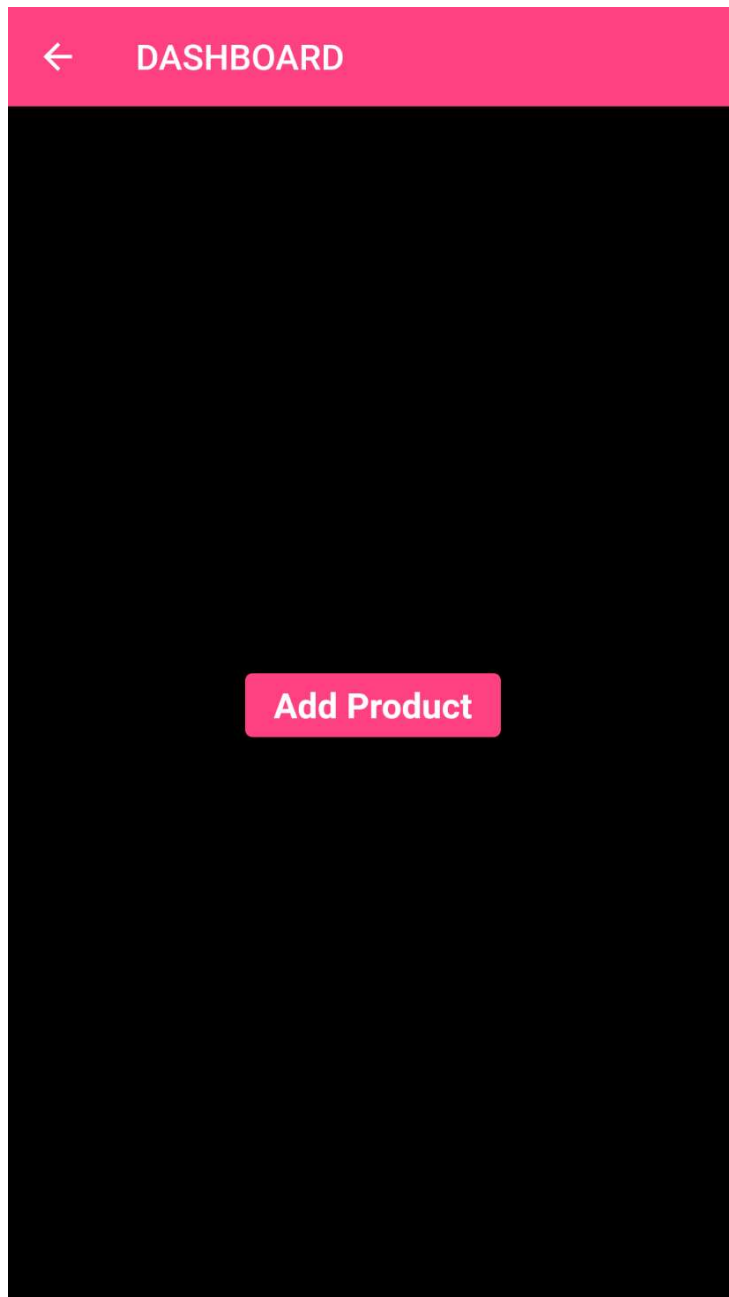
## Shop Screen



Afterwards the user will have the ability to either add clothes to the application to sell them by clicking on dashboard or simply view the already existing products to buy as much of them as he/she would like.

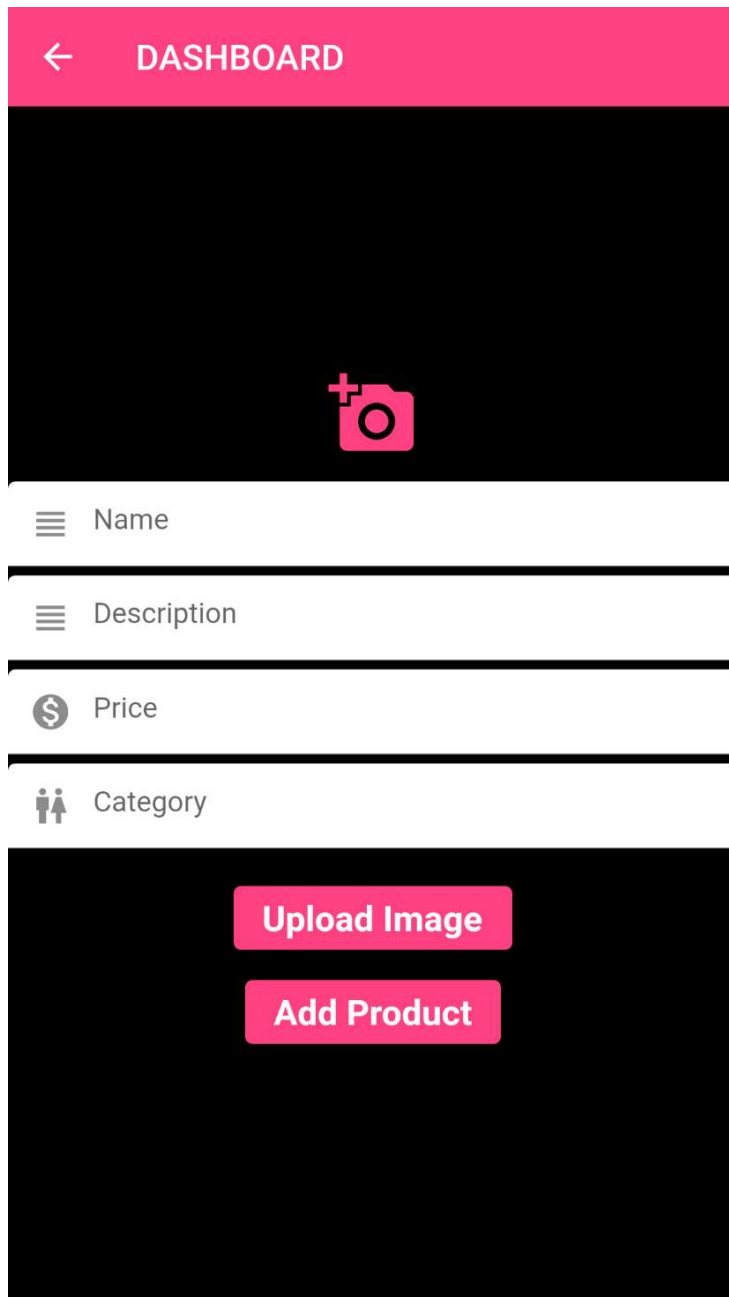
Taking the first path of choosing the dashboard, the user will be directed to the dashboard screen that by clicking on add product he/she will be taken to another screen asking for details of that product.

### Dashboard Screen



These details include: image, name, description, price and category in which this item of clothes lies in. The user will choose an image from their own device by clicking on the camera icon in the dashboard screen which directs them to their device's files to be able to choose whatever image they want of that item.

## Add product Screen



← DASHBOARD

+

≡ Name

≡ Description

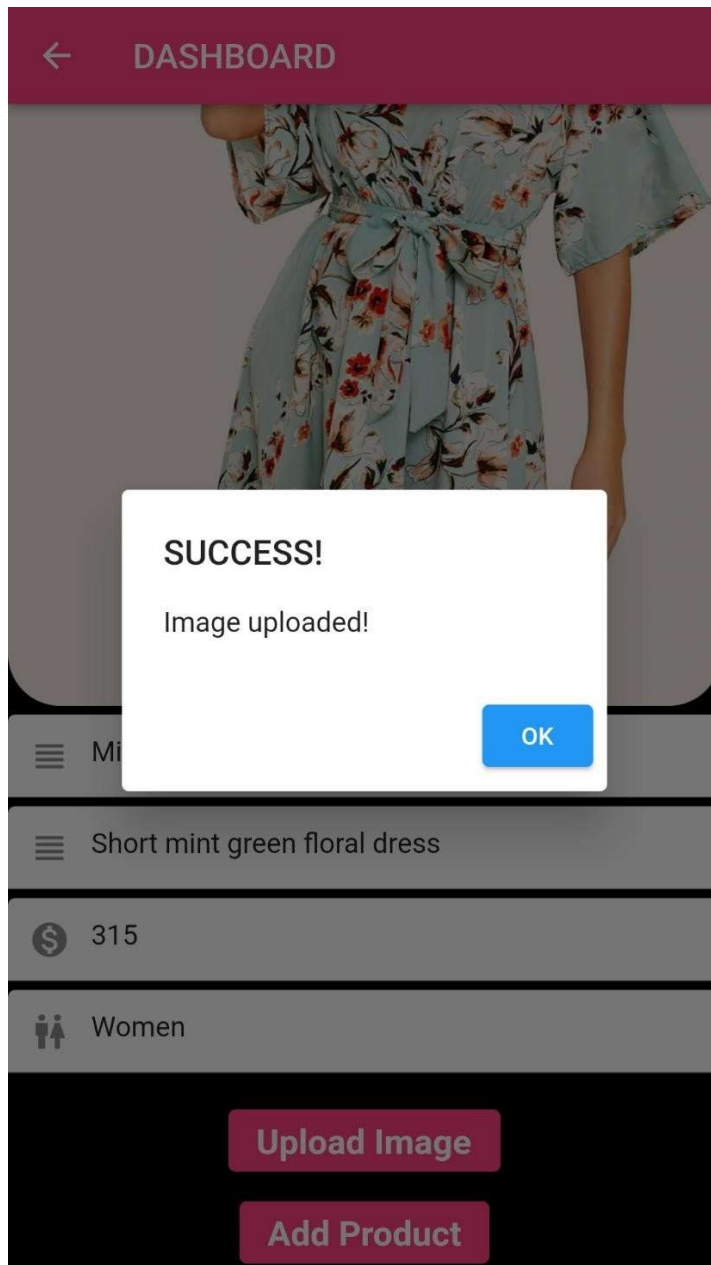
\$ Price

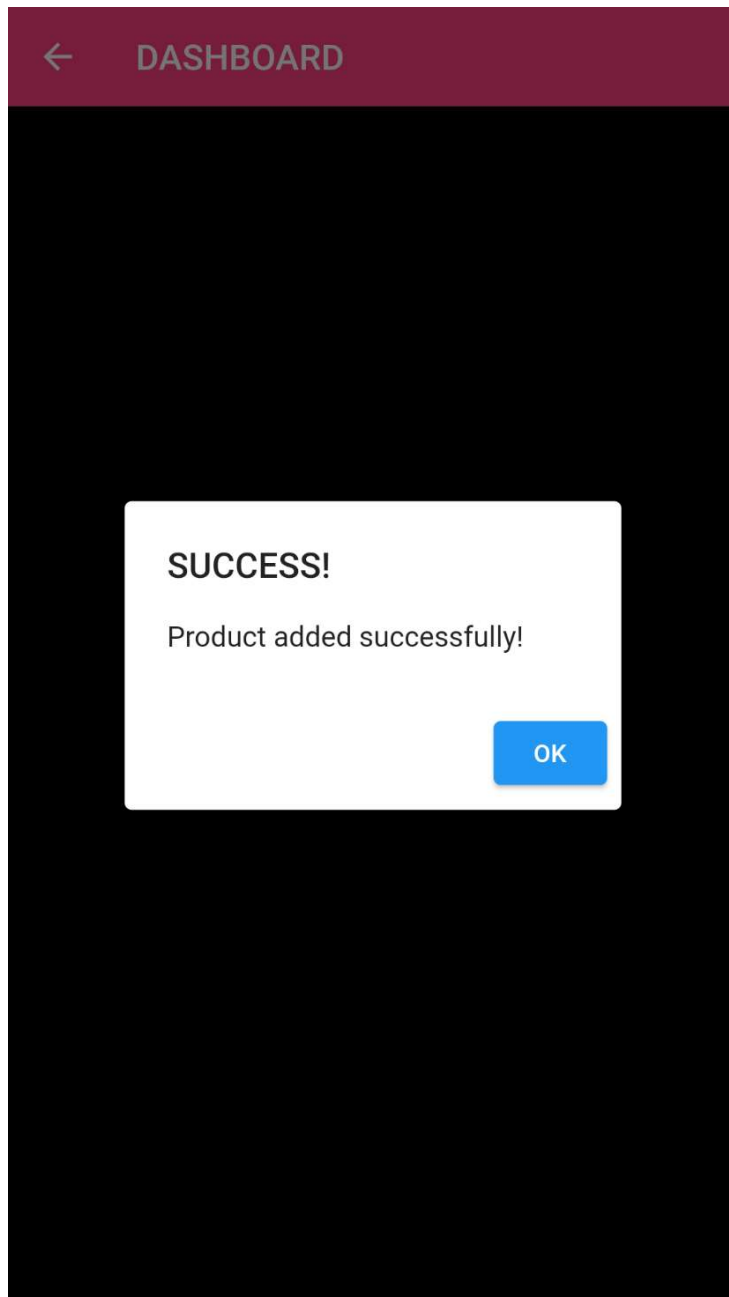
≡ Category

Upload Image

Add Product

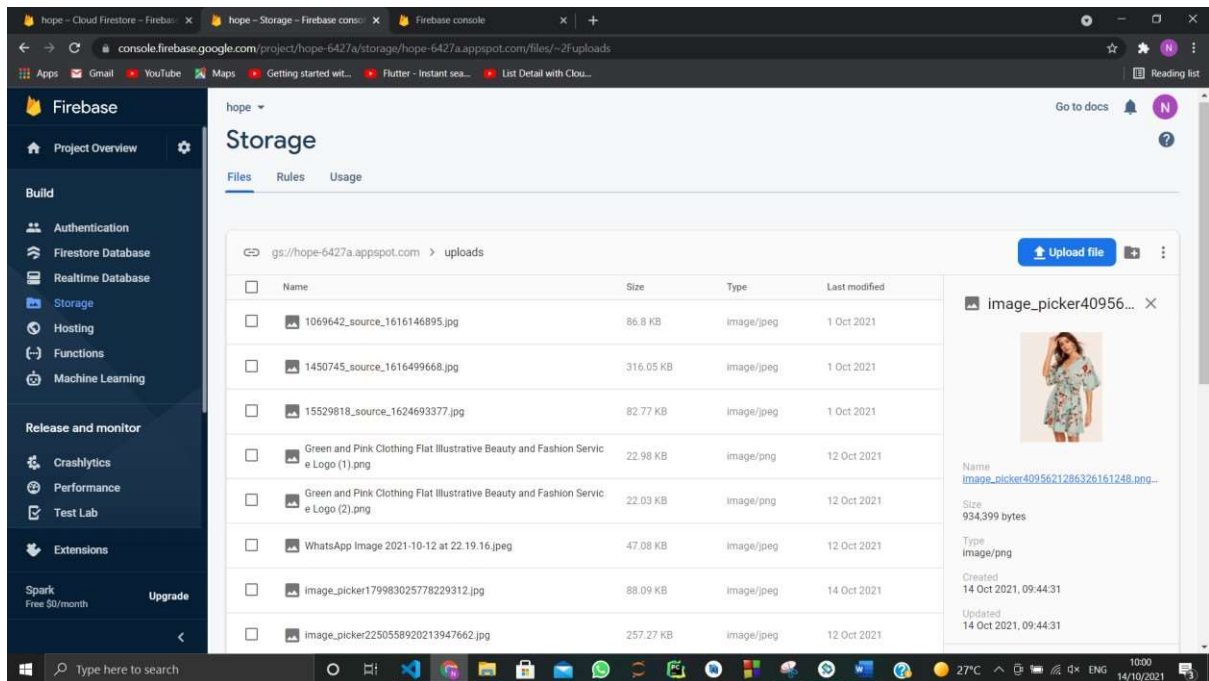
Then the user must click on upload image to have the photo of this clothing item saved in firebase storage then he/she will be met by a message saying "Image uploaded". Then the user should click on add product to save the rest of the item info in the firebase cloud firestore and also receiving a message of confirmation.



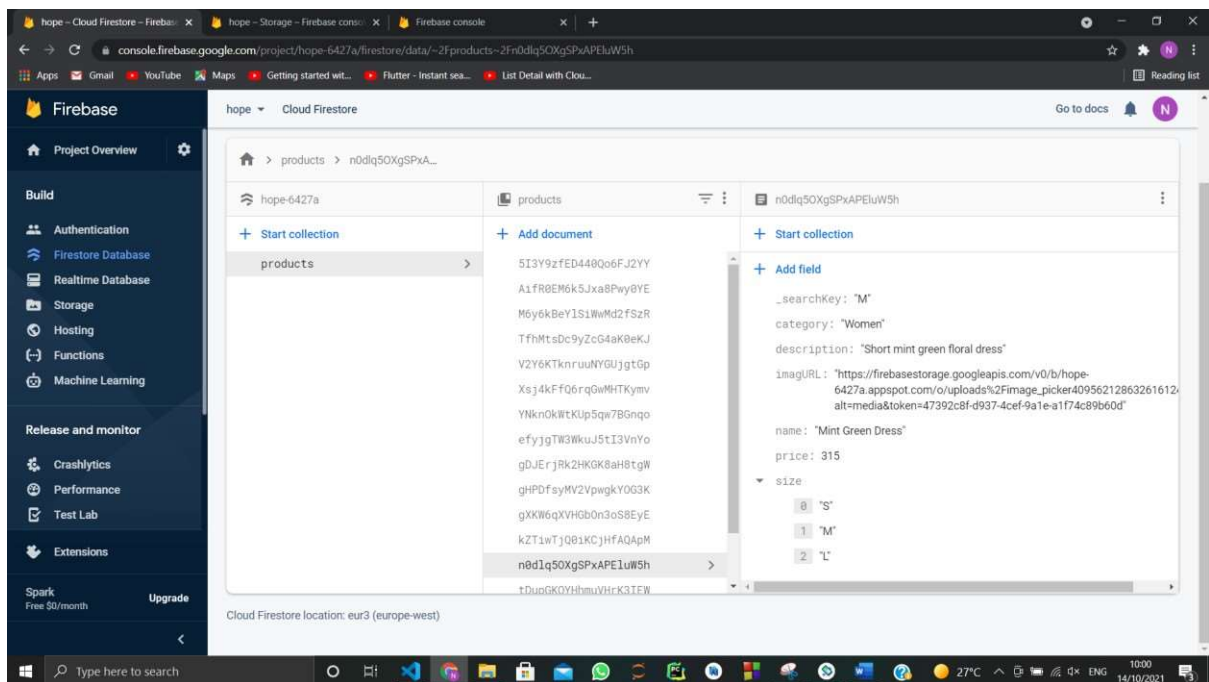


Our clothing products are stored in firestore as a set of documents each containing fields that thoroughly describe the product.

## Firestore storage



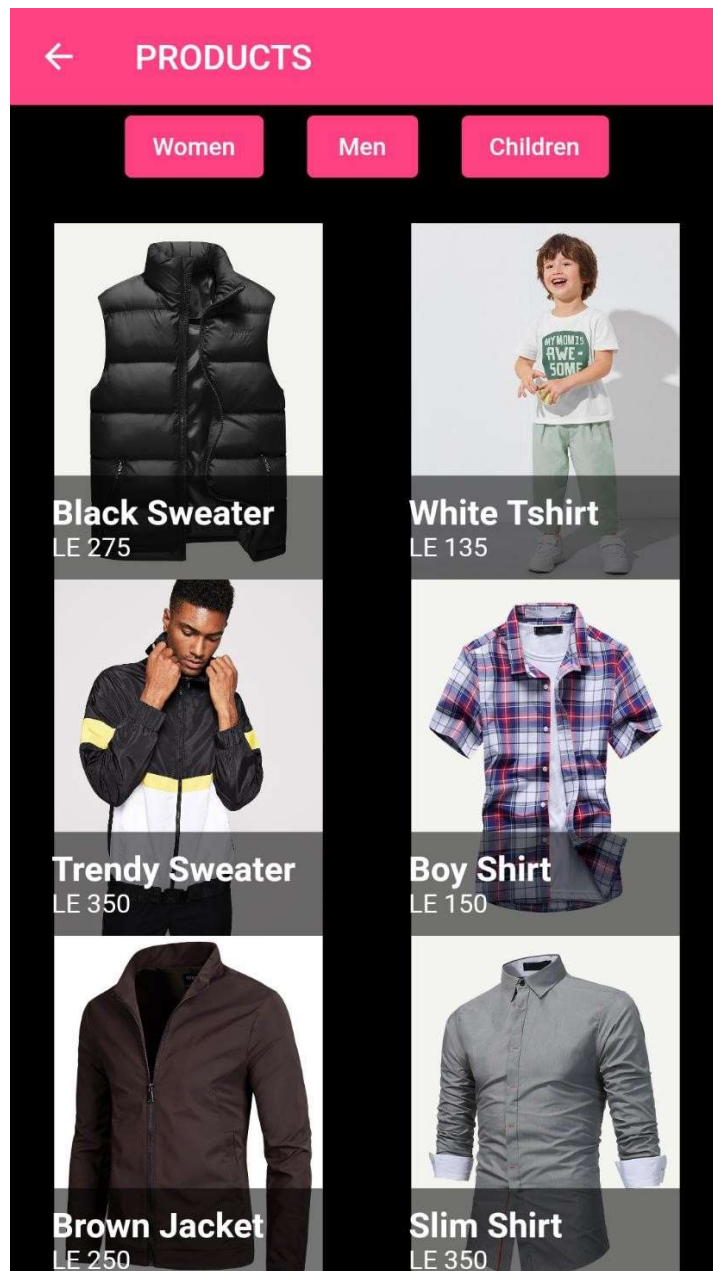
## Firestore Cloud Firestore



Taking the other path by which the user will actually simply view the existing products to buy any of them, he/she will be directed to the products screen which on top of it will have buttons for the three categories available so far in the application, women, men and children. These buttons are simply there to facilitate the shopping experience for the user by focusing on just what they're interested in and viewing only these products.

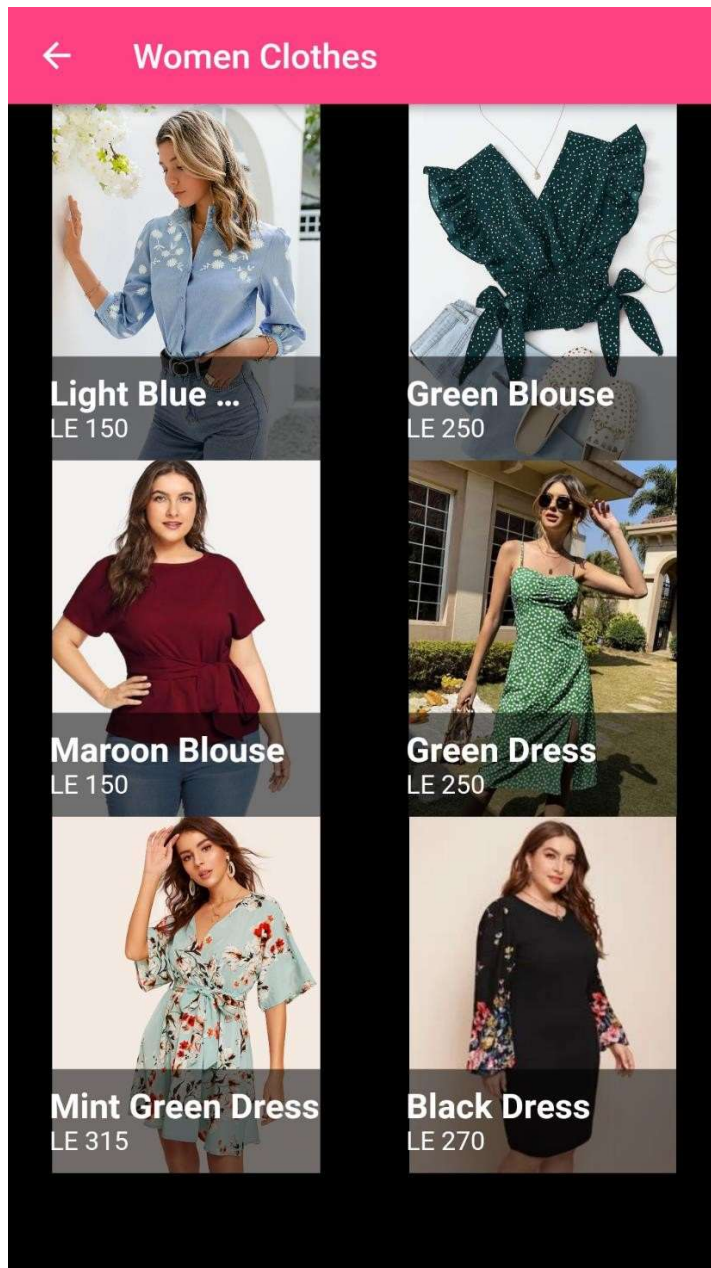
Beneath these three category buttons, all the products of the three categories are shown mixed up together. Each product shows as its image with its name and price written at its footer.

### Products Screen

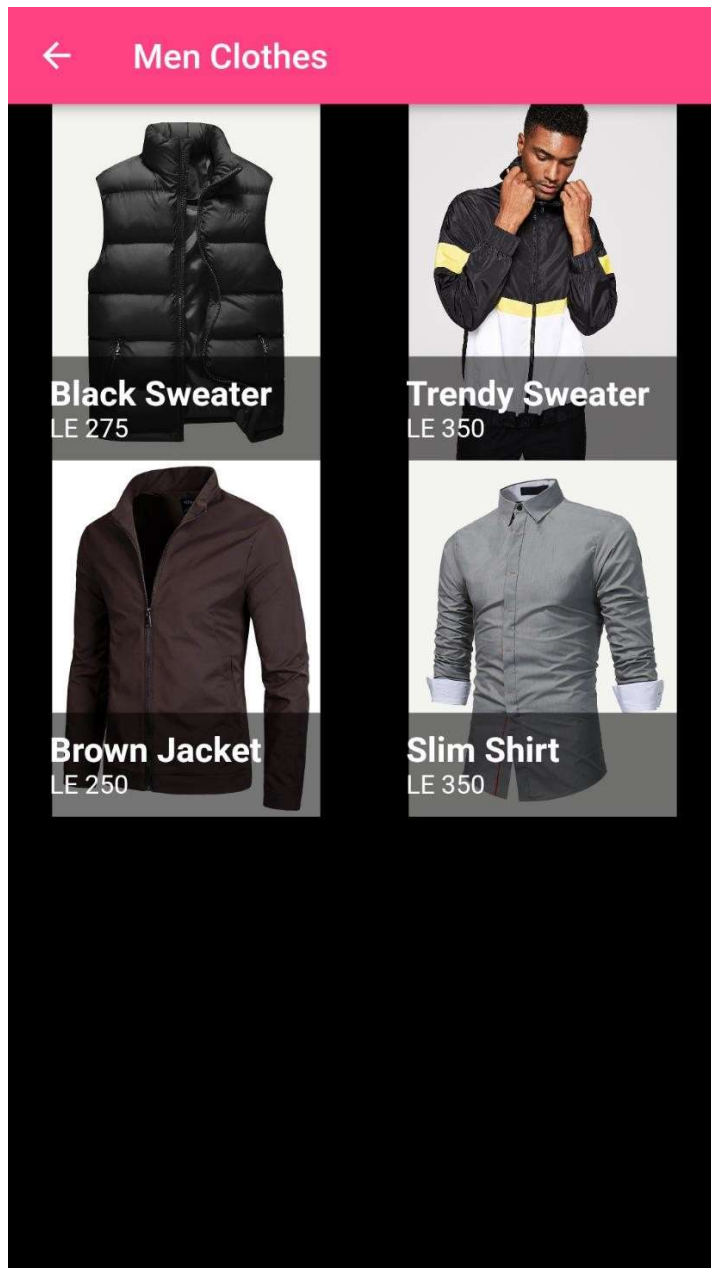




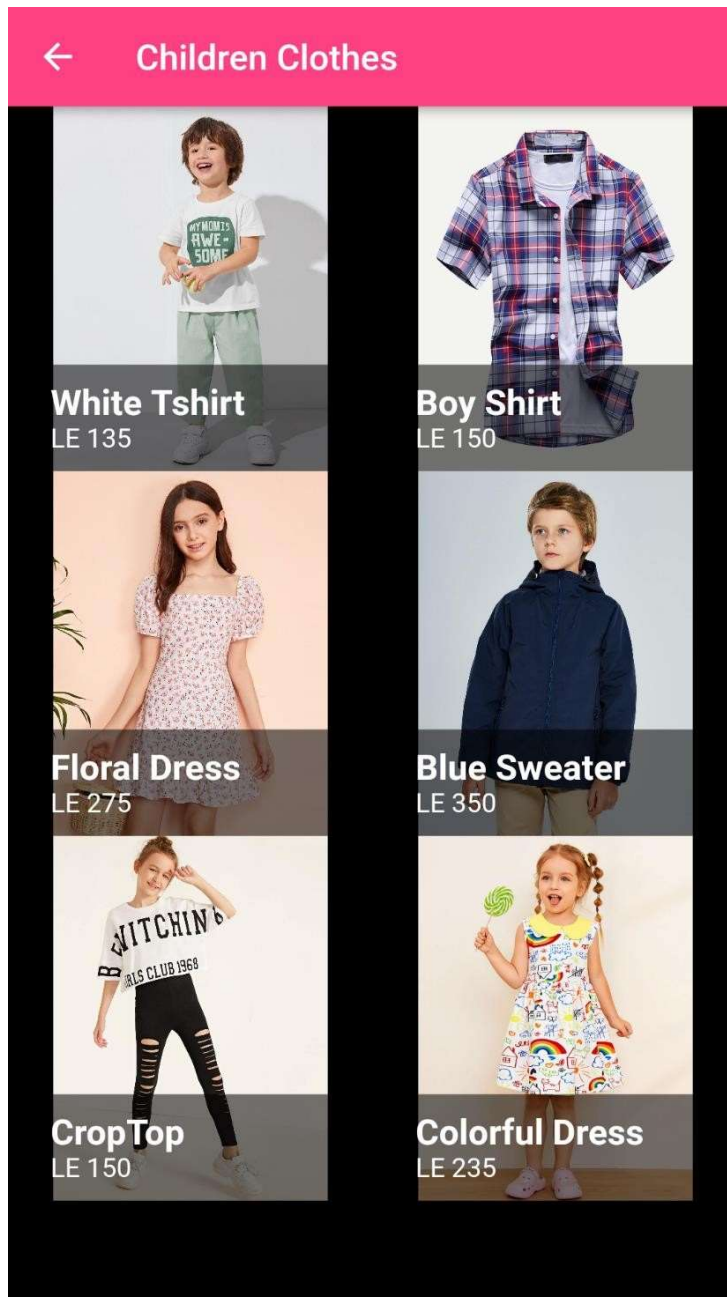
## Women Category



## Men Category

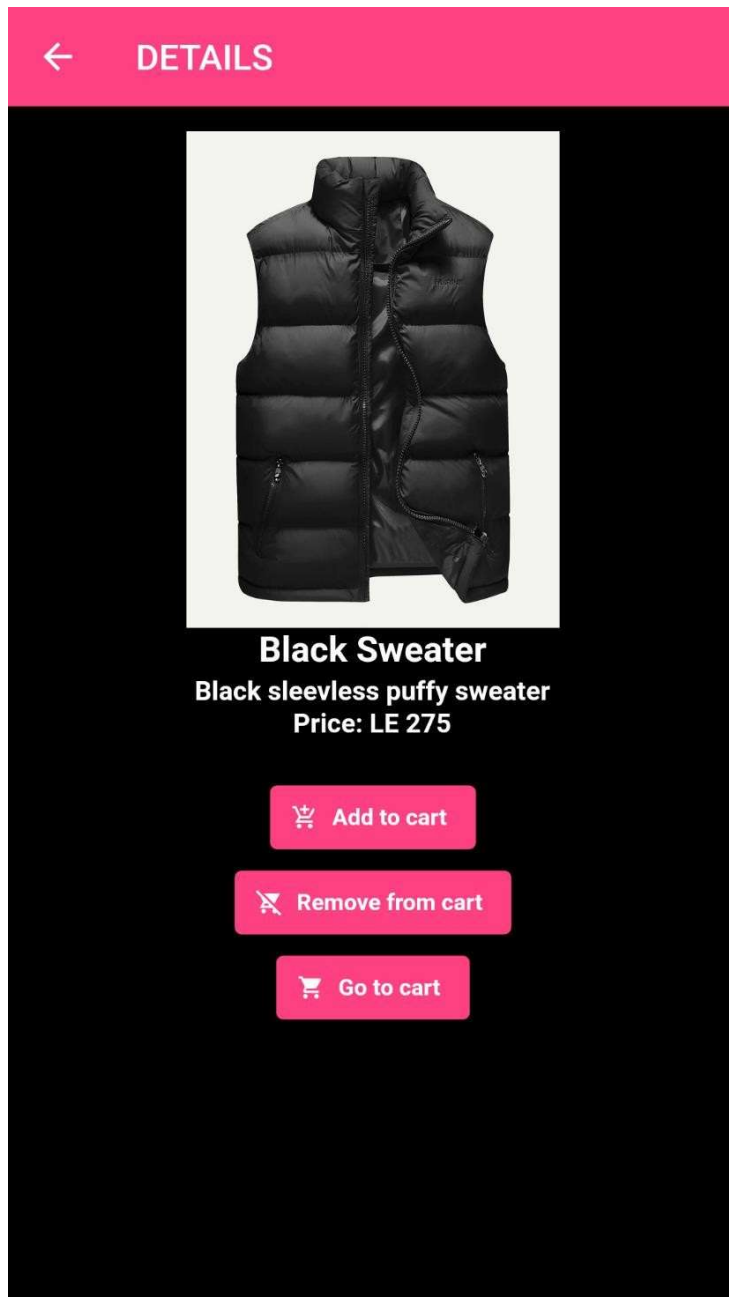


## Children Category



If the user is interested in a specific item they just need to click on it to be taken to the details page of this product which will contain the its image but in a larger size, name, description and price.

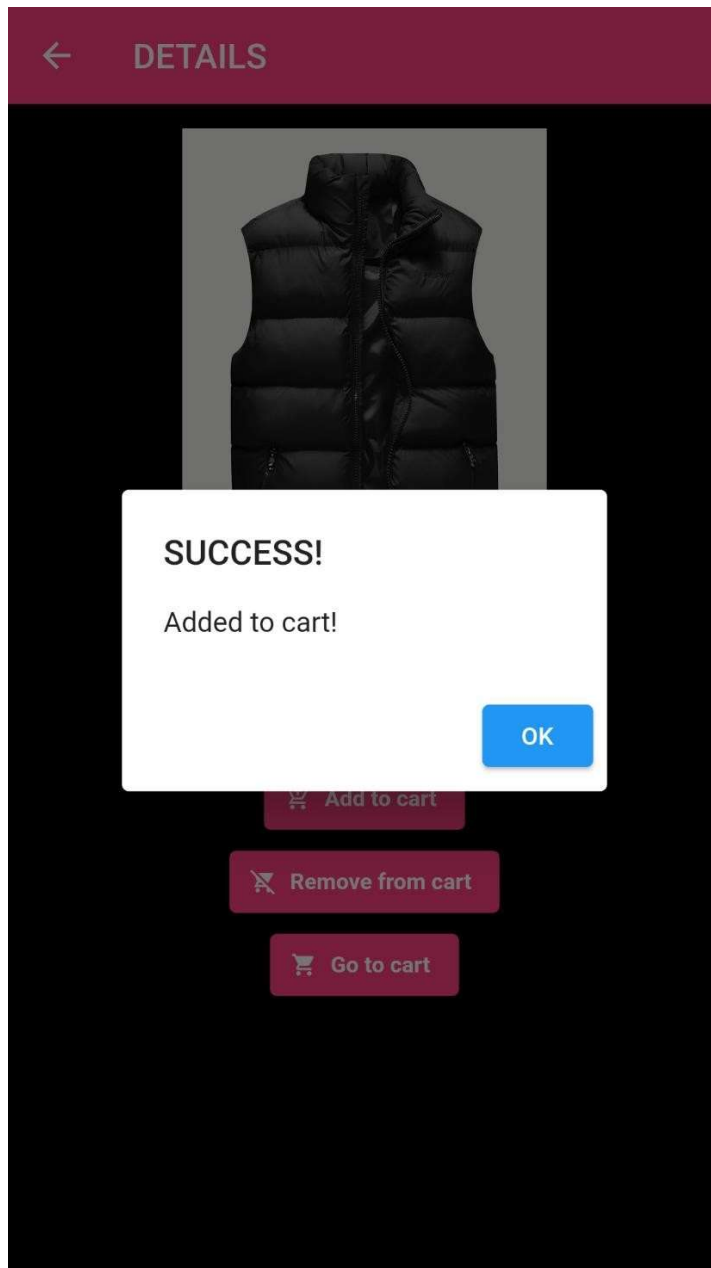
## Details Screen



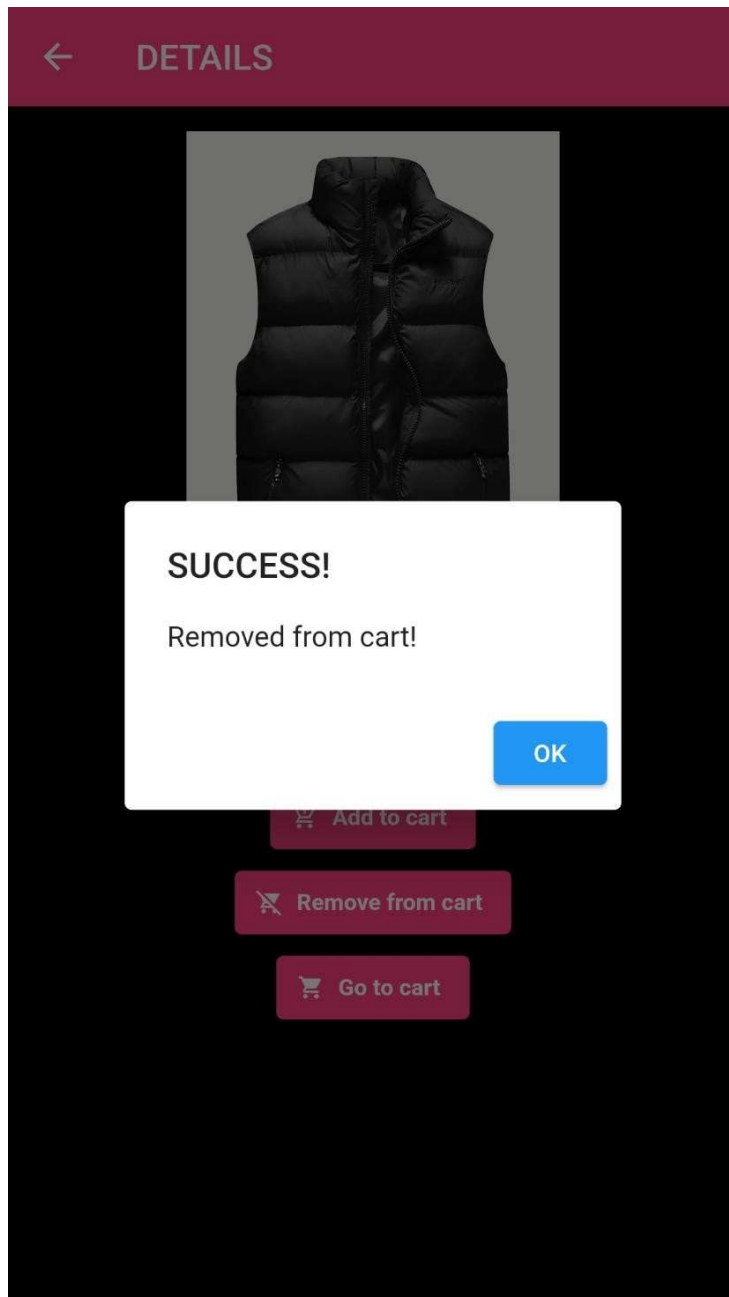
The user then will have the choice to add this item to cart, remove it from cart or simply just view the cart to see what's in there so far.

The add to cart button will pop up a message to the user saying "added to cart" when clicked and similarly with remove from cart button but with a message saying "removed from cart" to not make the user wonder whether or not their action was successful.

## Add to cart Message

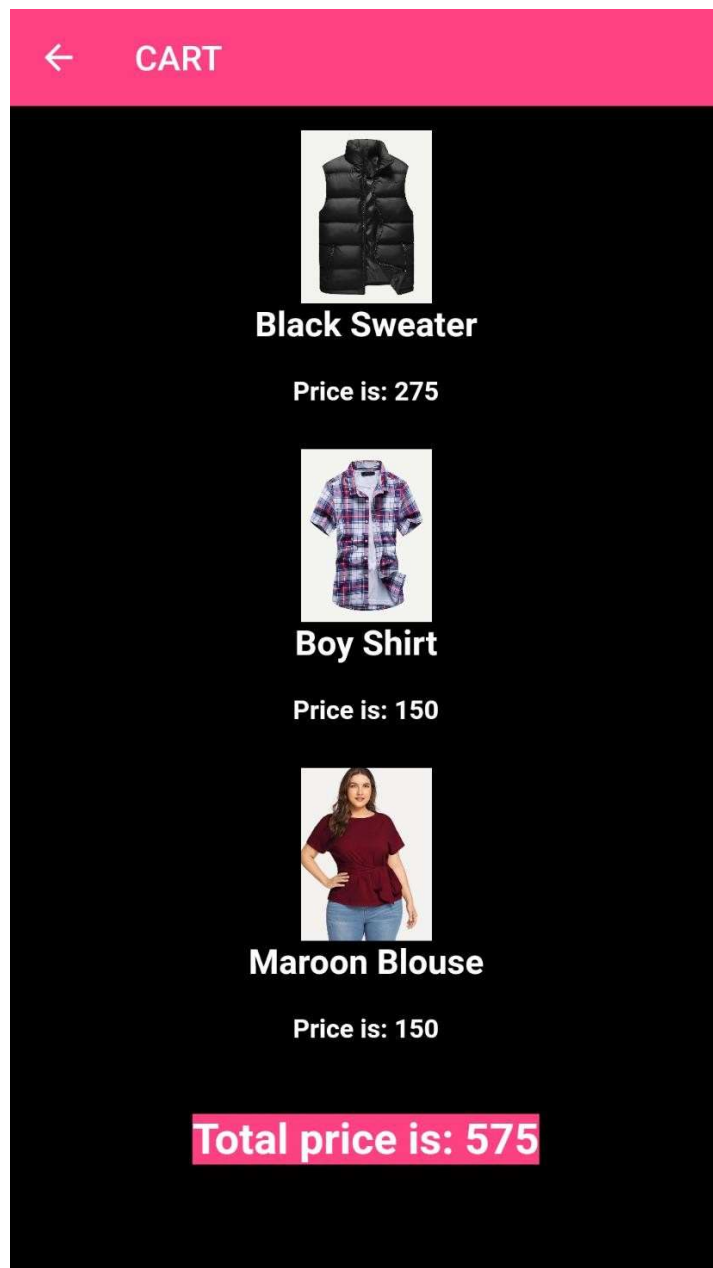


### Remove from cart Message



When the user clicks on go to cart button, they will be directed to the cart screen which will say “Nothing in cart yet” if the cart is empty and the user hasn’t added any items to it yet. Otherwise, the cart screen will contain all the images, names and prices of each product the user added to cart and at the bottom of the screen the total price of all these items will be visible to the user.

## Cart Screen





CART



**Boy Shirt**

Price is: 150



**Maroon Blouse**

Price is: 150

**Total price is: 300**



## **Future Modifications:**

This section of the documentation is just to enlighten you on our future plans for Shopaholic in later versions.

1. More data will be asked from the user when creating their account like their image (optional), phone number and address of residence.
2. The ability to just create an account by syncing your google/facebook account instead of writing the same info in more than one place.
3. Dashboard will have the ability to not only add a product but to also remove one or even edit the info of an existing product in this user's account.
4. Methods of payment will be added after the cart screen which will be either cash or online payment.
5. The ability to always track your order on a map whenever you decide to make a purchase.
6. More categories will be added to the application like shoes, bags and accessories.