

INFO 6350  
Final Project  
Flutter application - Garage Sale

-By  
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Getting Started:

This project is a Smartphone application to publish garage sale information.

1. After loading the project into IDE, click on 'get dependencies' which is highlighted under the toolbar or click 'pub get' after going to pubspec.yaml file of application to load packages and libraries.
2. Libraries and packages includes firebase, cloud\_firestore, camera, google\_sign\_in, firebase\_messaging, etc.
3. Once the libraries and packages are loaded, the application should be ready for run.

Contribution:

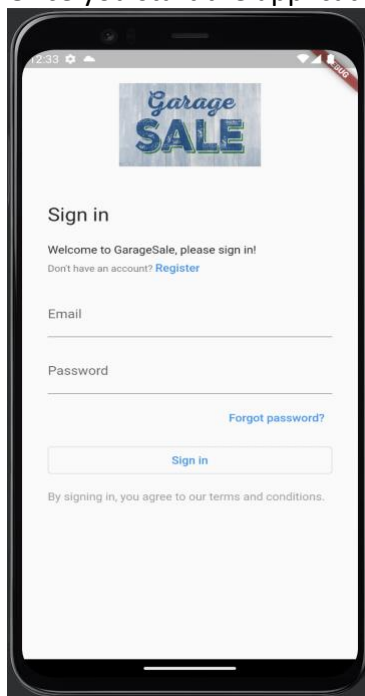
Team work : Add product to the list – Connection to Firebase Storage & Firestore Database

By Santhoshi Manogna Chintakuntla –  
Display product list Page  
Display product detail Page

By Pooja Yendhe –  
Sign - In Page (Firebase Authentication)  
Sign out Page

Navigating through the application:

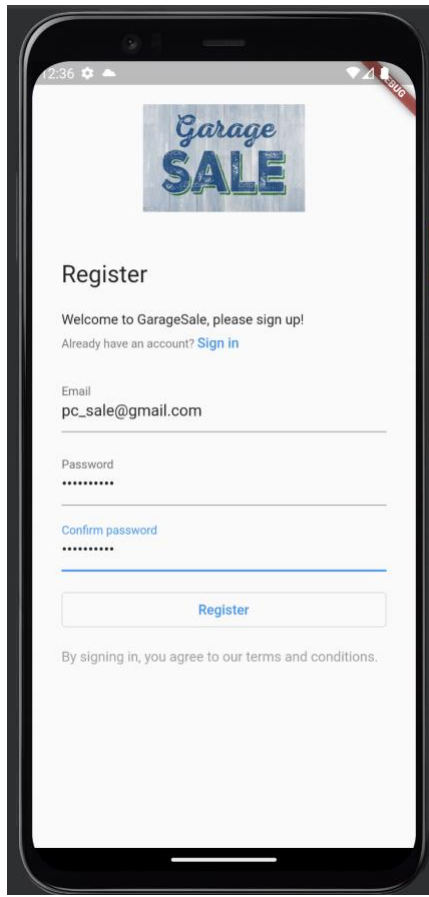
Once you start the application, the home page would appear as below.



To start, one need to sign-in into the application.  
Below are the various ways to do it.

1. For new user, one need to register.
2. There is sign-in option for returning user.

## Registration for New User

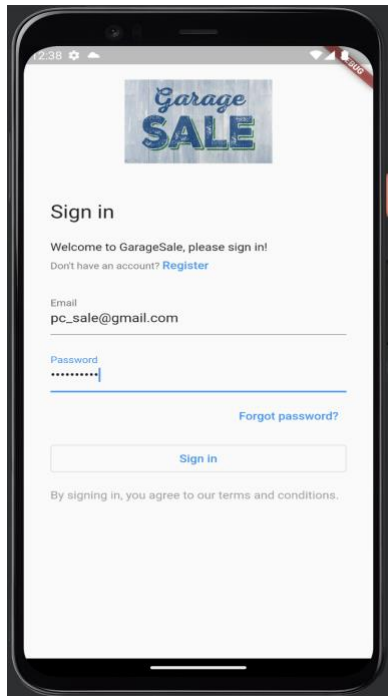


After registration, the email address of the user should appear as user in authentication section of firebase console of the project.

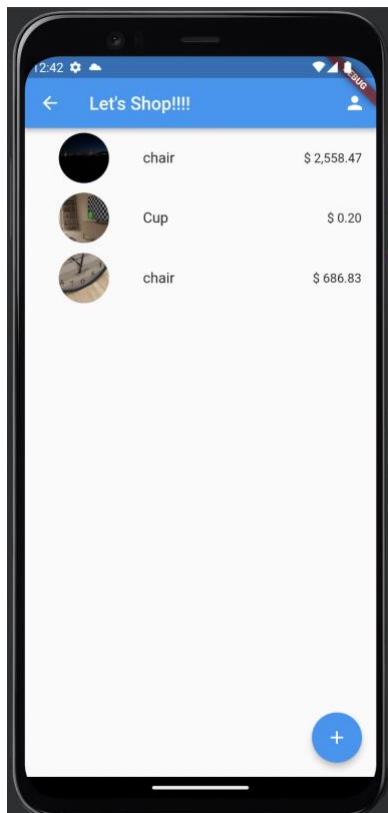
A screenshot of the Firebase Authentication console. The left sidebar shows the 'Authentication' section selected. The main area displays a table of users. The first row, for the email 'pc\_sale@gmail.com', is highlighted with a red border. The table has columns for Identifier, Providers, Created, Signed in, and User UID.

Identifier	Providers	Created	Signed in	User UID
pc_sale@gmail.com	📧	12 Dec 2022	12 Dec 2022	J34cF53yExPamb7GVmQR5Mou4...
pc1@gmail.com	📧	12 Dec 2022	12 Dec 2022	u7bx0ThQ1eVqFuGM64PF2jp5962
poojayendhe19@gmail.com	📧	11 Dec 2022	12 Dec 2022	C64LeleWXzTwu3H9SyZQZCnT26...
ch1@gmail.com	📧	11 Dec 2022	11 Dec 2022	b8DLAT4L8dZYB4rwWILD3GIU8k2
chaowang665190@gmail...	📧	11 Dec 2022	11 Dec 2022	oeNRUeSlcShuSpbenjnpIFMY5g1
sidrang.sr@gmail.com	🌐	10 Dec 2022	10 Dec 2022	DsWCFY8fNUC8oleGrp3FOOoCLM2

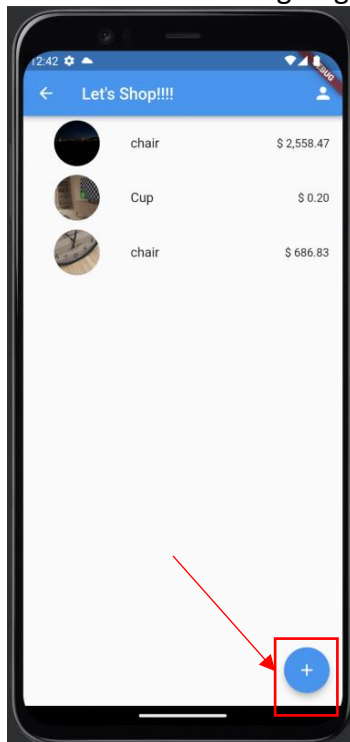
## Email/password Sign-in



After sign-in, user should see the below screen.

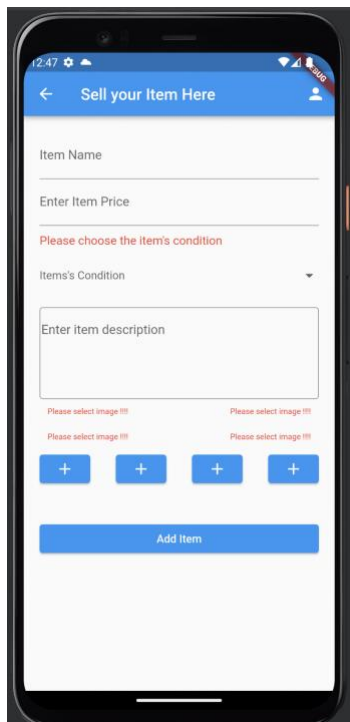


To add new item for garage - sale click on the '+' icon at right bottom of the screen.

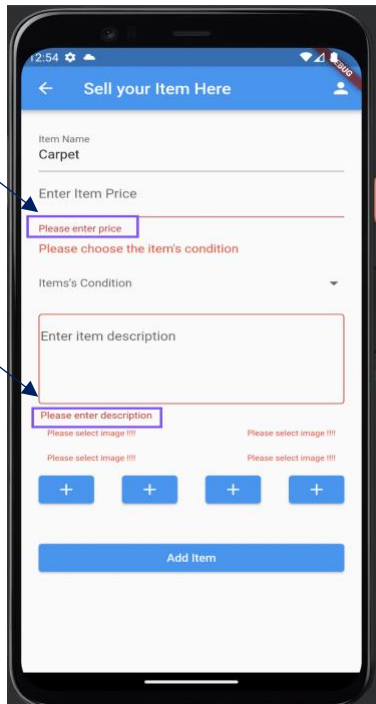


### Screen to add new product

To add new product, user must fill the fields mentioned in the screen like item name, price, description, choose item's condition from drop-down menu and images.



If user tries to add item without price or description alert messages appear below the screen and user is not allowed to add the new product.

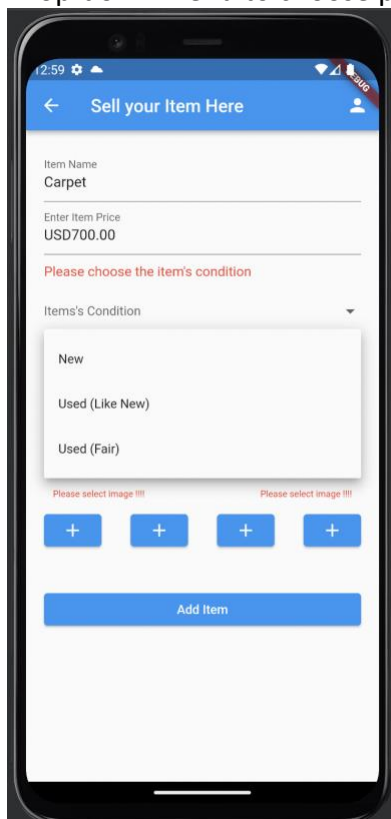


The screenshot shows a mobile app interface for selling an item. The title bar is blue with a back arrow and the text "Sell your Item Here". The form contains the following fields and messages:

- Item Name:** "Carpet"
- Enter Item Price:** A red box highlights the text "Please enter price".
- Items's Condition:** A dropdown menu with a downward arrow.
- Enter item description:** A red box highlights the text "Please enter description".
- Please select image !!!**: Two red messages are present below the description field.
- Buttons:** Four blue buttons with "+" signs and a larger blue button labeled "Add Item".

Two blue arrows point from the left to the "Please enter price" and "Please enter description" messages.

Drop-down menu to choose product's condition



The screenshot shows the same mobile app interface, but with the "Items's Condition" dropdown menu open. The form contains the following fields and messages:

- Item Name:** "Carpet"
- Enter Item Price:** "USD700.00"
- Items's Condition:** The dropdown menu is open, showing three options: "New", "Used (Like New)", and "Used (Fair)".
- Please select image !!!**: Two red messages are present below the condition menu.
- Buttons:** Four blue buttons with "+" signs and a larger blue button labeled "Add Item".

Description added to product form

The screenshot shows a mobile application interface for selling an item. The title bar is blue with a back arrow and the text "Sell your Item Here". The form contains the following fields:

- Item Name:** Carpet
- Enter Item Price:** USD700.00
- Category:** New (with a dropdown arrow)
- Description:** Carpet with shades of brown. Size of the carpet : 5' x 8' (highlighted with a blue border)
- Image Selection:** Four red text prompts "Please select image !!!" are positioned above four blue square buttons, each containing a white plus sign (+).
- Action:** A blue button labeled "Add Item" at the bottom.

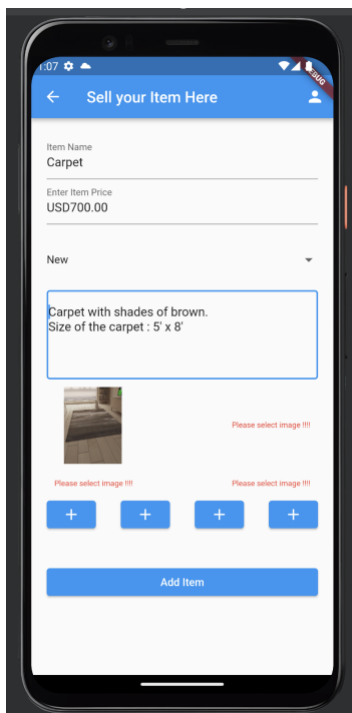
To add image for product, one can add from gallery or capture image from camera.

This screenshot shows the same application form as above, but with a modal dialog box overlaid in the center. The dialog has a white background and contains the following text:

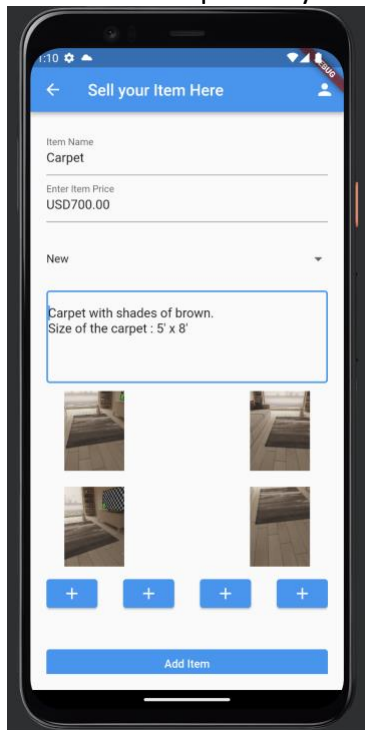
- Header:** From where do you want to take the photo?
- Options:** Two buttons labeled "Gallery" and "Camera".

The background form is dimmed, showing the same fields for item name, price, category, and description.

Capturing image from camera on android simulator.

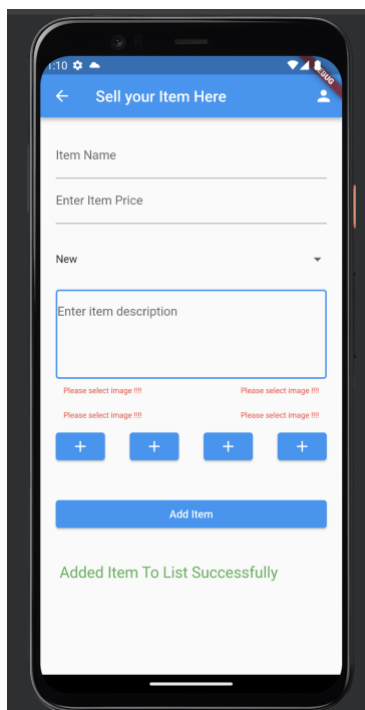


User can add up to only 4 images for a product.



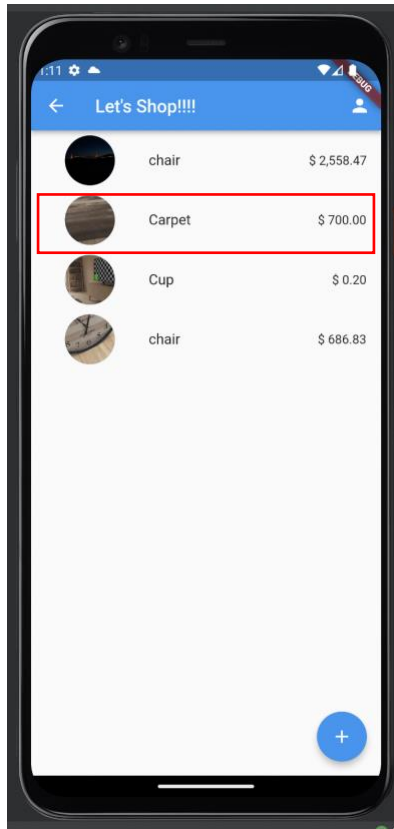
After filling all the fields user can add the product by clicking on 'Add Item' and user will get a message – 'Added Item to List Successfully'.

User can also check the product added by them in product list by clicking on the arrow on top left side.

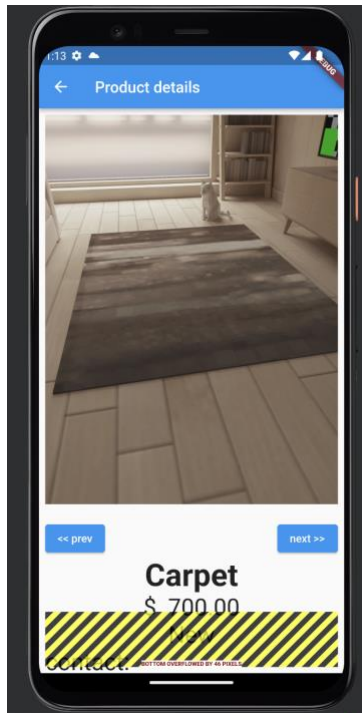




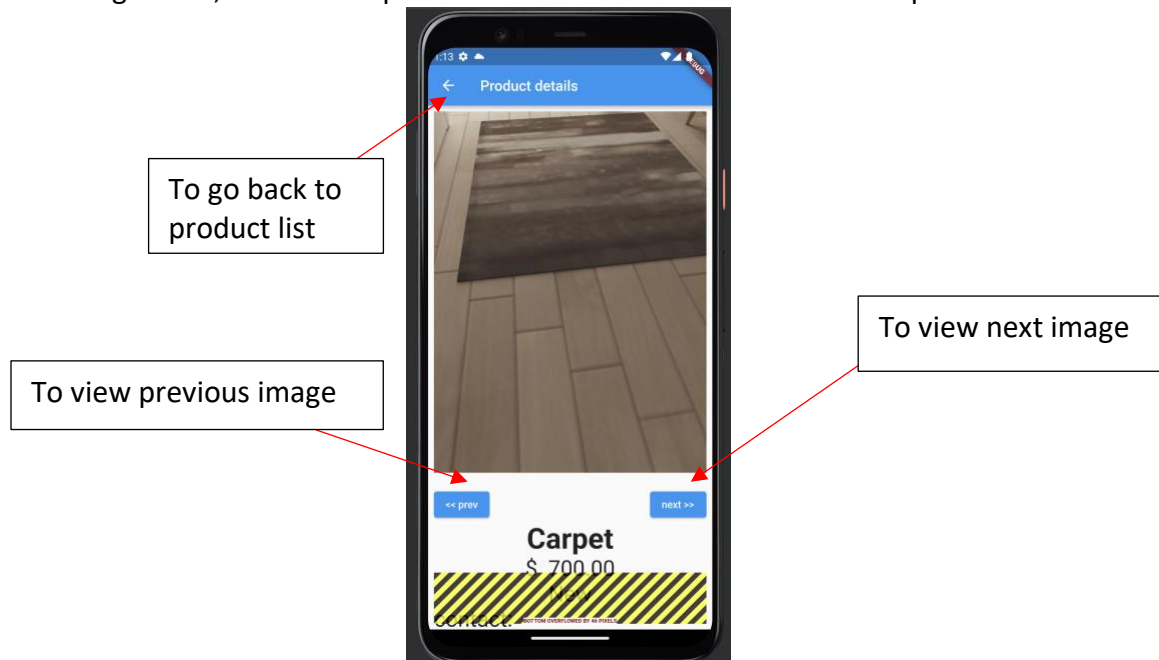
## Product List



To view the item in detail, user can click on the product.



To view the next image user can click on next button and on previous button to view the previous image. Also, to view the product list user can click on arrow on top left side of screen.

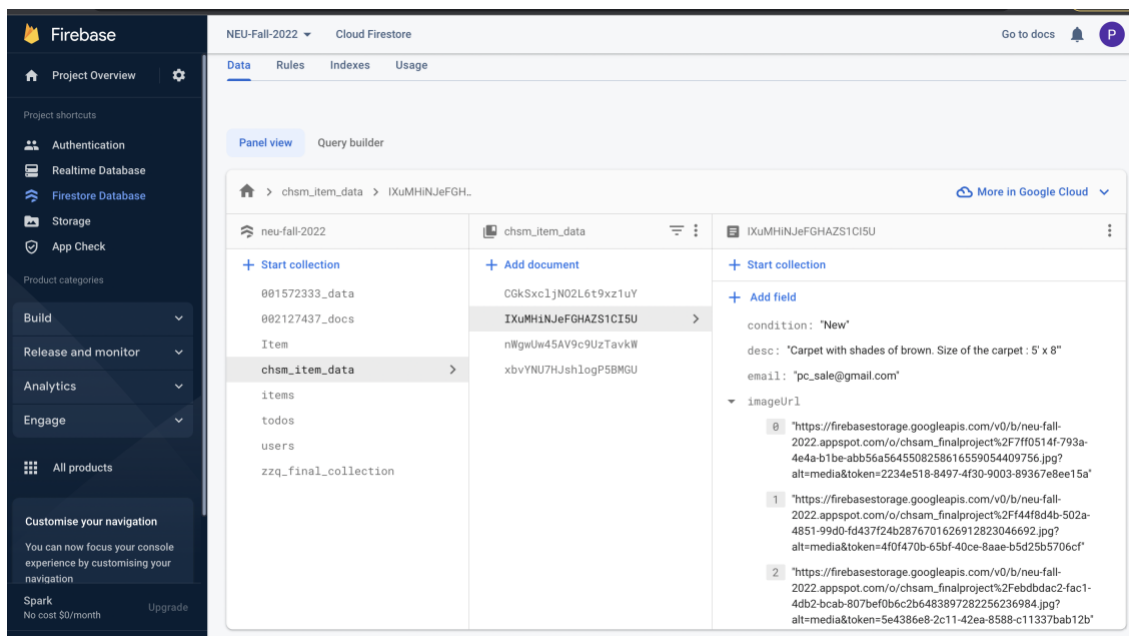


User can also view the product on firebase console.

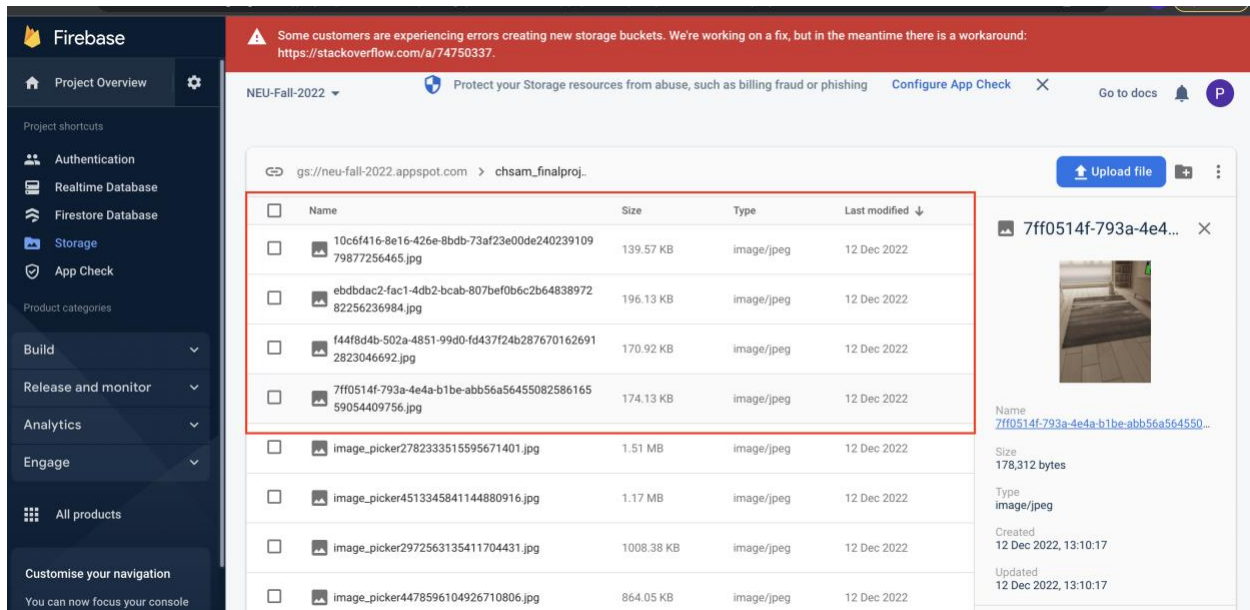
The data of the product is stored in Firestore Database of firebase project.

Collection name: chsm\_item\_data

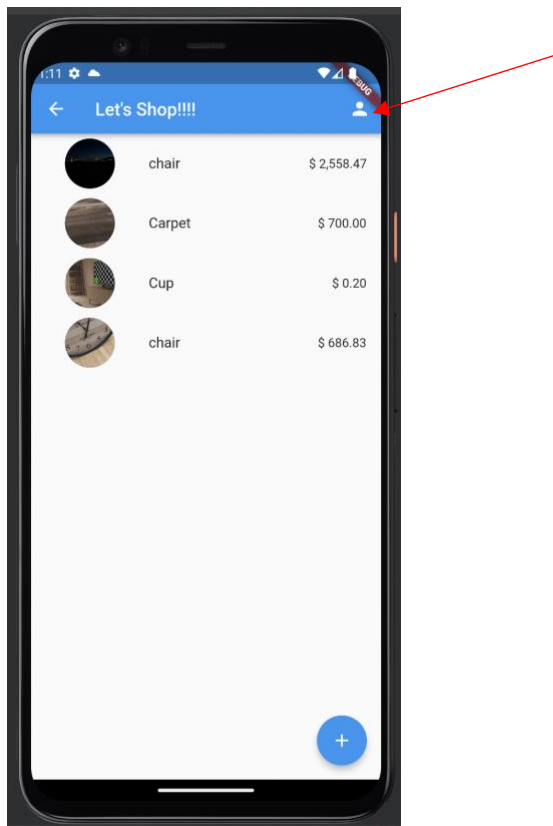
The data consist of document for each product in collection. The fields in the collection are - condition, description, imageUrl (Url for each image added; here 4), item and price.



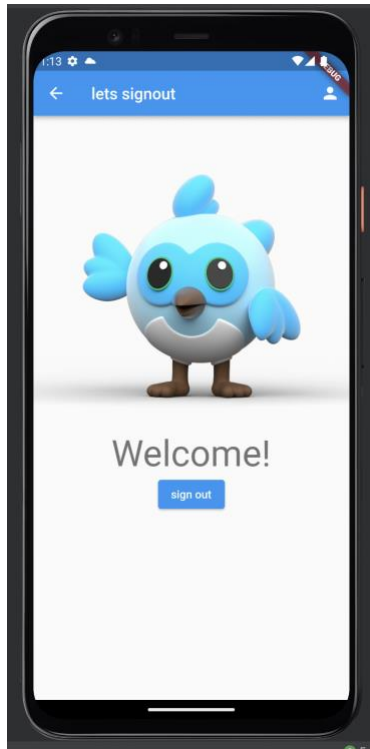
The images of the products are separately stored in firebase storage of firebase project. The highlighted rectangle consists of images added for item – Carpet.



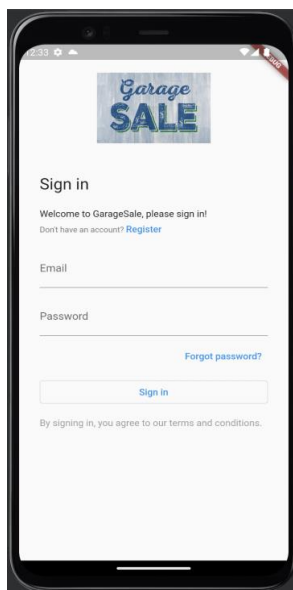
Back in the android app; user can sign-out by clicking on person icon on top right corner of the screen.



Once the user clicks on the icon the below screen would appear to user



User can sign out by clicking on sign out button on the screen. Once the user is sign out the user will be re-directed to home page.



Thank you.