



GLOBE Grocery Tracker

MOBILE APPLICATION

USER GUIDE

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Created By	GLOBE – Deakin Research Tech Translators
Document Purpose	Assist the user in handling the application and its features.
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<u>Version#</u>	<u>Author</u>	<u>Changes Made</u>
v0.1	Joel Daniel and Faiz	Included all the screenshots taken from the application and explained each step in using the application
v0.2	Charith	Updated the screenshots with screenshots taken from the updated application, formatted the document.
v0.3	Benjamin	Included an explanation of the Dynamic Notification with screen captures.
v1.0	Radika	Included an explanation about "How to install the App" and "steps required to be completed before uploading the receipts" and changed the start (only for the-existing user) added frames
v2.0	Benjamin	Included how to send notification through firebase
V2.1	Charith	Included the document control

Introduction

The Globe Grocery Tracker mobile app provides an easy way for users to help Deakin University Globe Research team to research about population health and obesity trends through participants giving research data, by uploading the images of their grocery receipt and some personal information (e.g. age, height, weight, gender).

How we ensure the security of your data

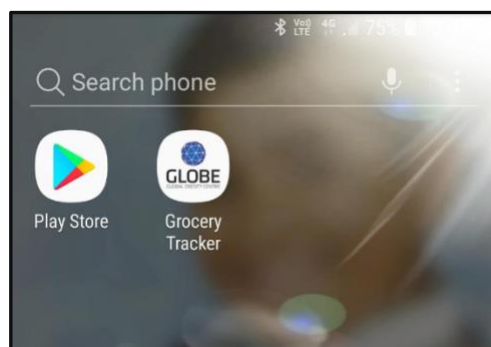
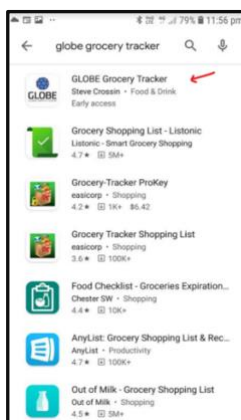
You may want to be sure that your personal data won't get into the wrong hands. We will not disclose any personal information or personally identifiable research information to a third party for a purpose other than conducting our research unless we have your express prior consent or are required to do so by an Australian law or court/tribunal order.

Compatibility

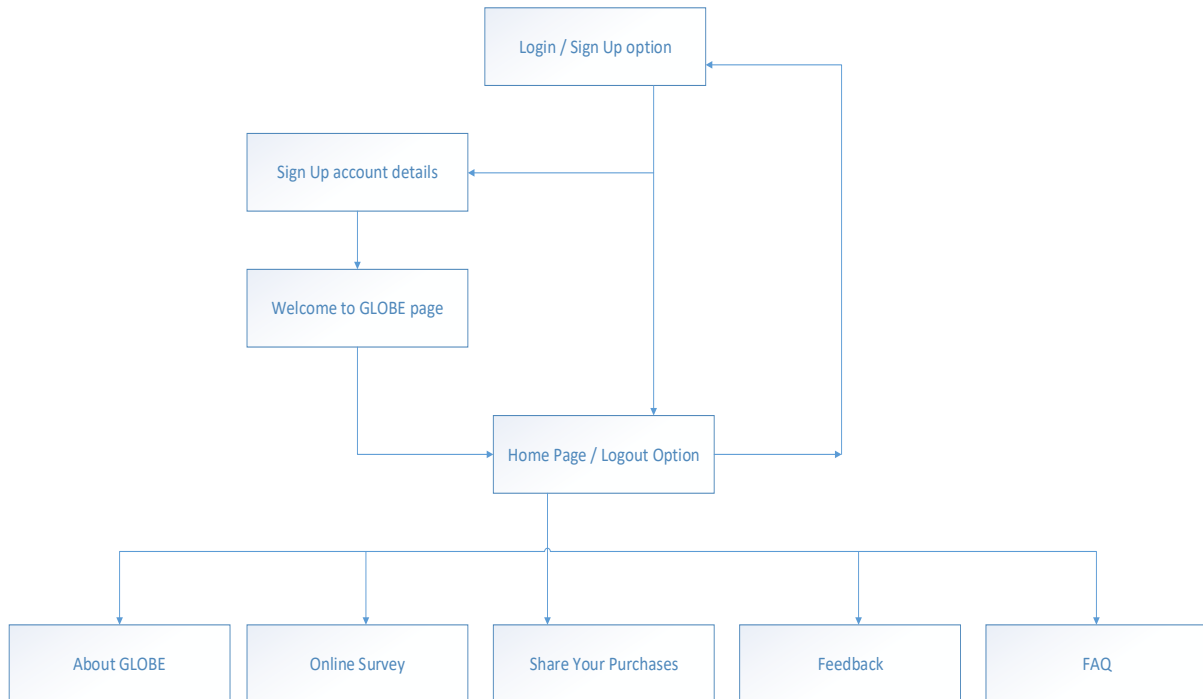
Compatible with all Android Devices.

How to install the App

To find the App manually, navigate to the Google Play Store and search “GLOBE Grocery Tracker”-> Select INSTALL to begin the download.”. Then Please wait while the GLOBE Grocery Tracker Mobile App is being downloaded and installed.



Application Roadmap



Login to App

If you have an account already, signed up for the app

Enter your registered email address and Password, then click on **“Sign In”** to login.

Please refer: **Figure 6: Account Home Menu**

If you are a new user,

Select **“No Account? Sign Up”** for registering as a new user.

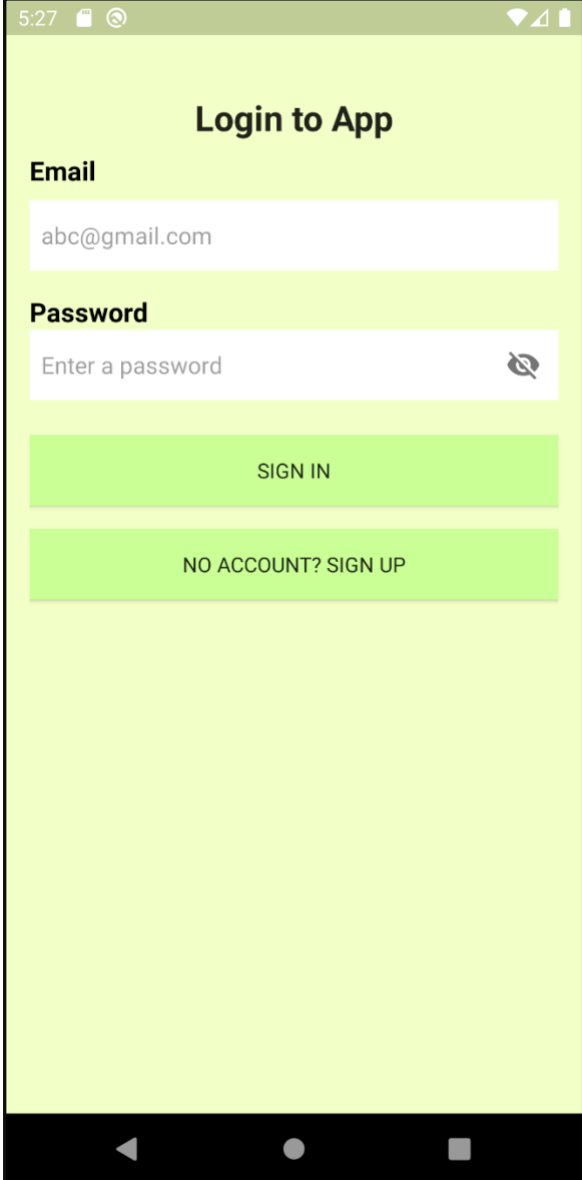


Figure 1: Application Login/Sign Up page

New User Sign Up

On the Sign-Up page, enter the requested information, which will be used in the research. You will have to scroll down to view all the fields to be filled.

- **Name** = First and Last name.
- **Email Address** = Email with which your account will be created.
- **Password** = Preferred password for account credentials.
- **Age** = Years.
- **Height** = Centimeters.
- **Weight** = Kilograms.
- **Gender** = Male/Female/Prefer not to Say/Other.
- **Postcode** = Your residential city/address postcode.
- **No. of people in household** = Total members in the household (account member included).
- **No. of adults** = Total number of adults in household.
- **No. of children** = Total number of children in household.
- **Select how often you shop** = Weekly or more/Fortnightly/Monthly or less.

Sign Up

Account Information

Name
Enter your name

Email
Enter email address

Password
Enter your preferred password

Personal Information

Age
Enter your age

Height
Enter your height

Weight

Figure 2: Account and Personal Information Sign Up (beginning)

Weight
Enter your weight

Gender

Postcode
Enter your postcode

Household Information

Number of people in your household
Number of people in your household

Number of adults in your household
Number of adults in your household

Number of children in your household
Number of children in your household

Figure 3: Personal Information (ending) and Household Information Sign Up

Shopping Information

How often do you go to the shop?

CREATE ACCOUNT

CANCEL

Figure 4: Shopping Information and Account Creation/Cancellation Buttons

After Sign Up (Welcome Page)

Once the account is created and logged in, you will be directed to the Welcome page.

Click on “**Get Started**” to continue.

Note: This will only appear once when a new user is created.

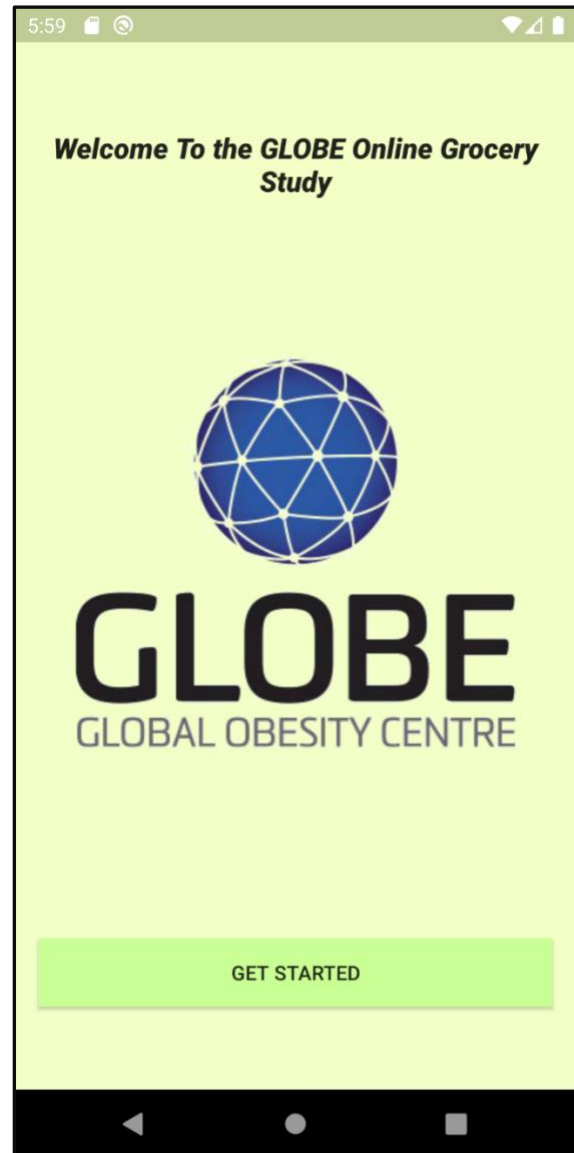


Figure 5: New User Welcome Page

Home (after Login)



Figure 6: Account Home Menu

From the **Home Screen**, you can choose to:

1. Upload your purchase receipts.
2. Participate in an Online Survey.
3. Learn about the GLOBE.
4. View shared Receipts
5. Provide Feedback.
6. Get answers for frequently asked questions.
7. Logout

Print Online Shopping email as a PDF

The following steps should be required to have completed before uploading the receipts.

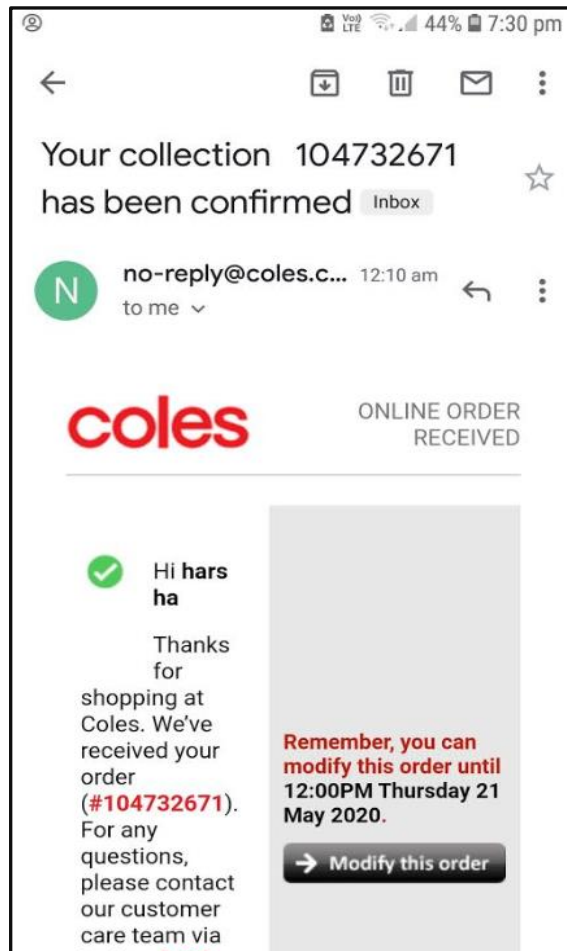


Figure 7a: Online Shopping email

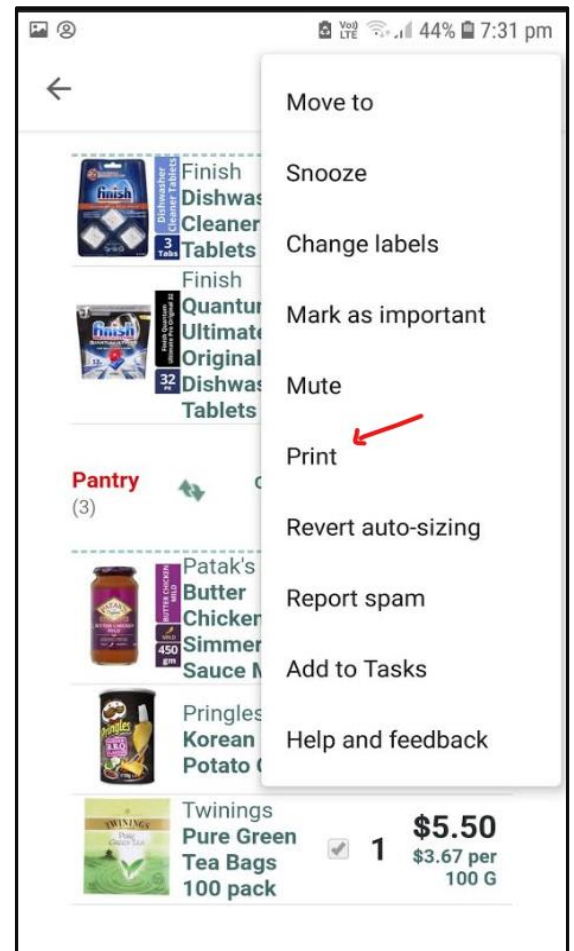


Figure 7b: Print Online Shopping email as a PDF

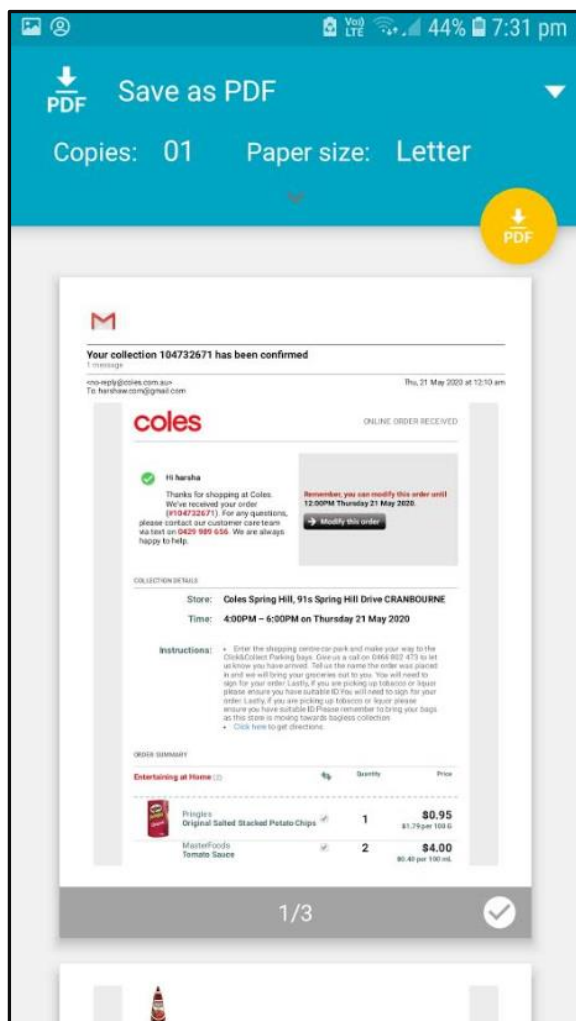


Figure 7c: download Online Shopping email as a pdf

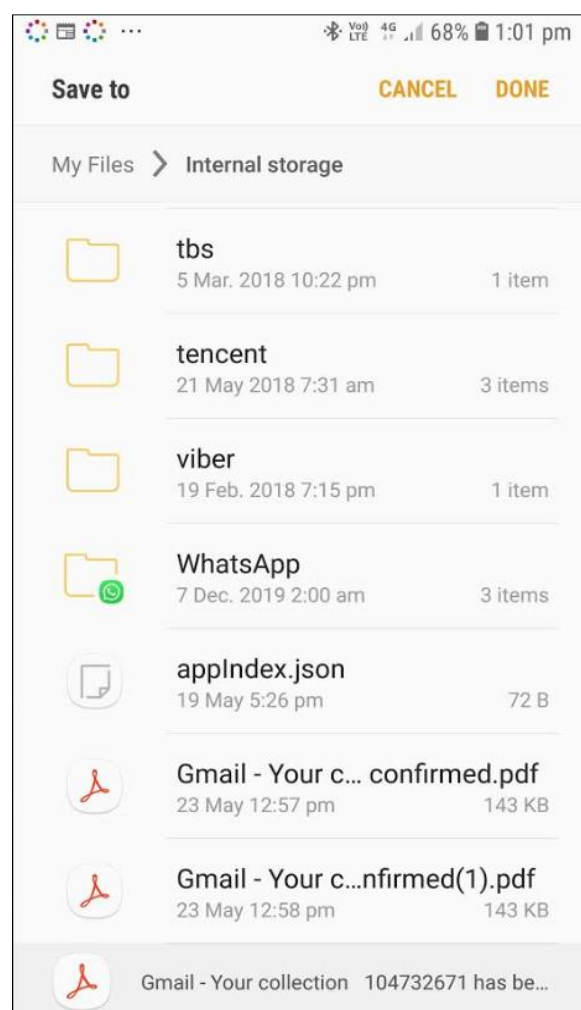


Figure 7d: Save Online Shopping pdf to internal storage

Share your Purchase

On this screen, you can upload the Receipts of your grocery purchase.

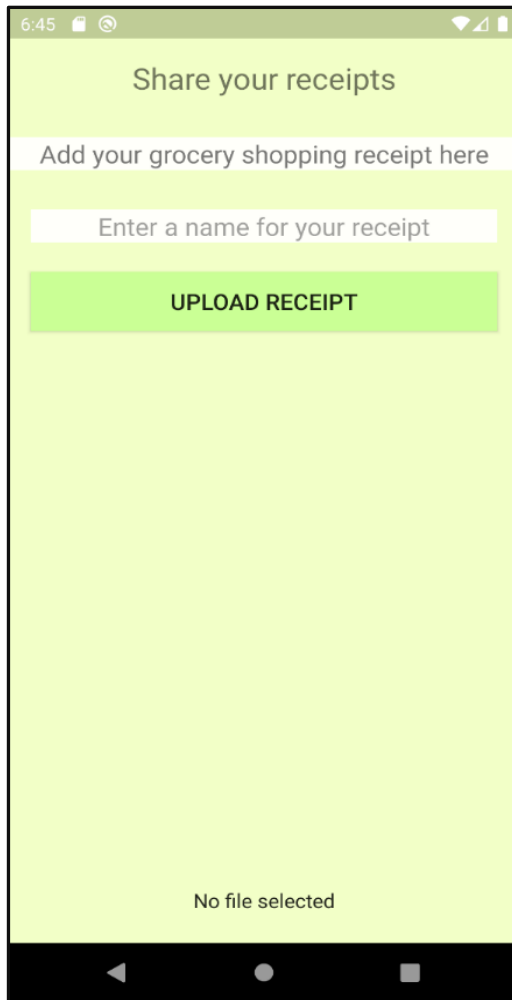


Figure 8: Shopping Receipt Upload

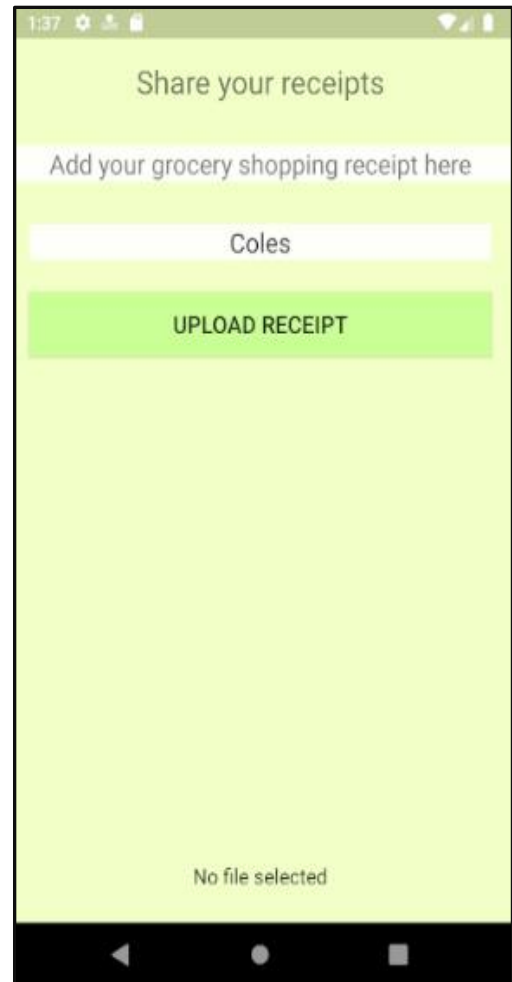


Figure 9: Enter a Name for your Receipt

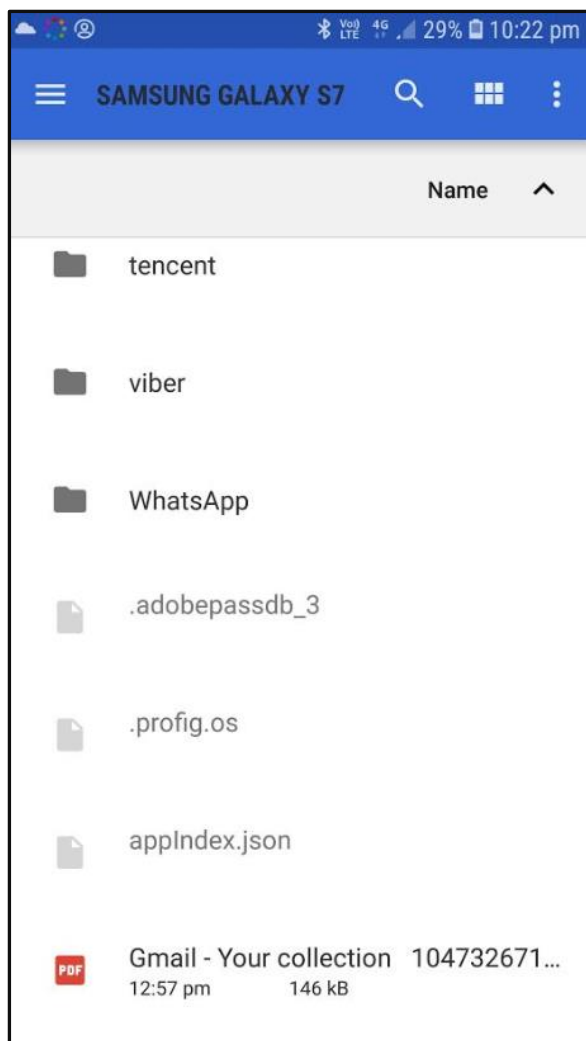


Figure 10: Select the PDF file from the internal storage

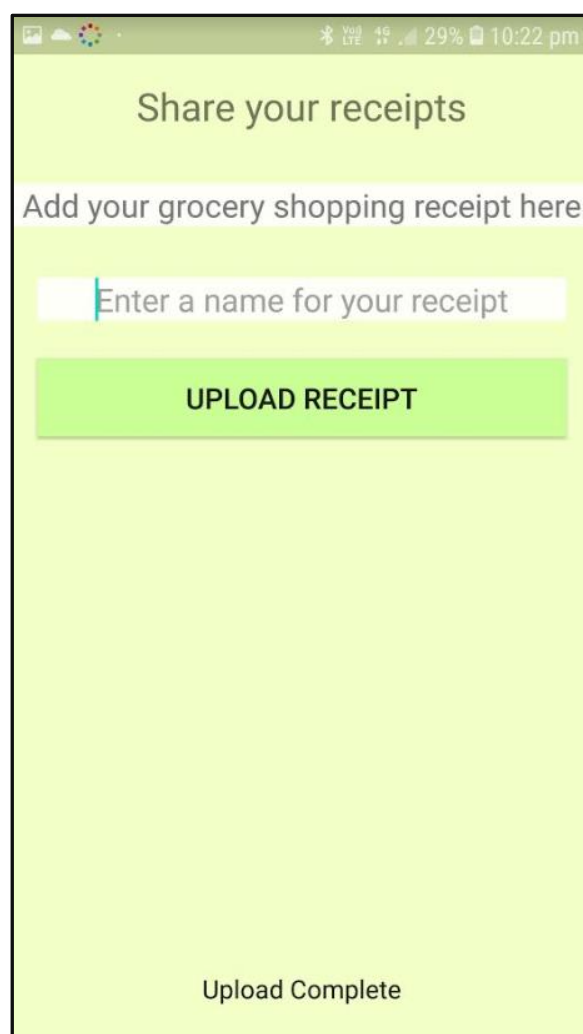


Figure 11: Upload completed

Online Survey

If you have selected to do an Online Survey, you will be redirected to the GLOBE (Global Obesity Centre) Website.

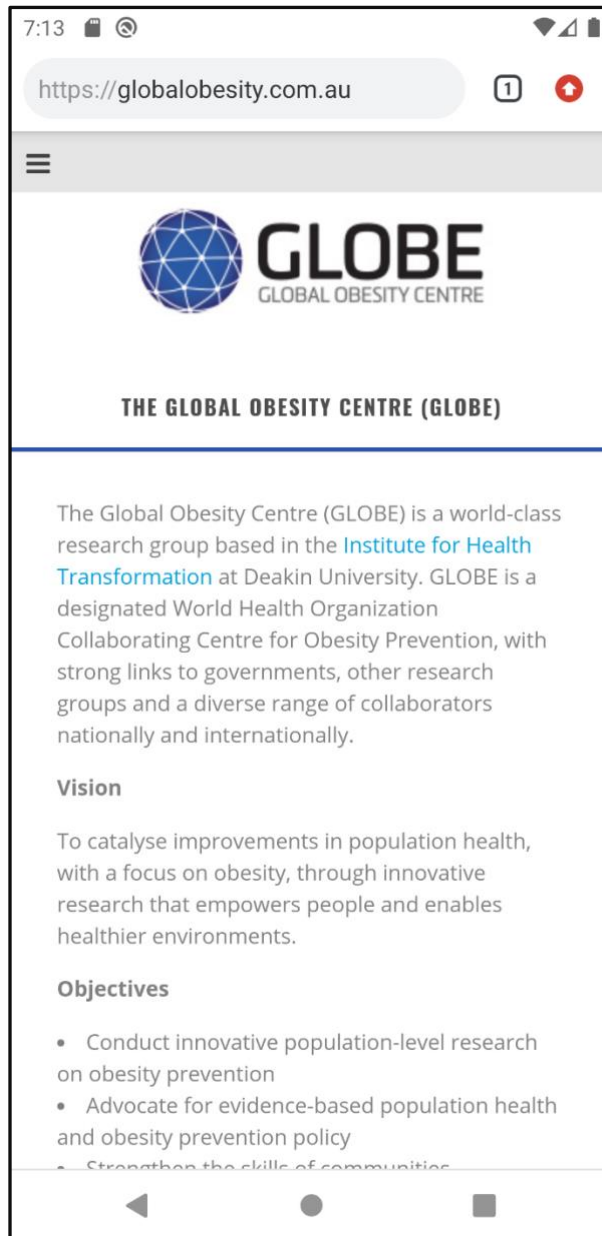


Figure 12: GLOBE Website

Feedback

You can provide your feedback /concerns/requests to us about anything (such as improvement of the app, any concern about your data and account etc.).

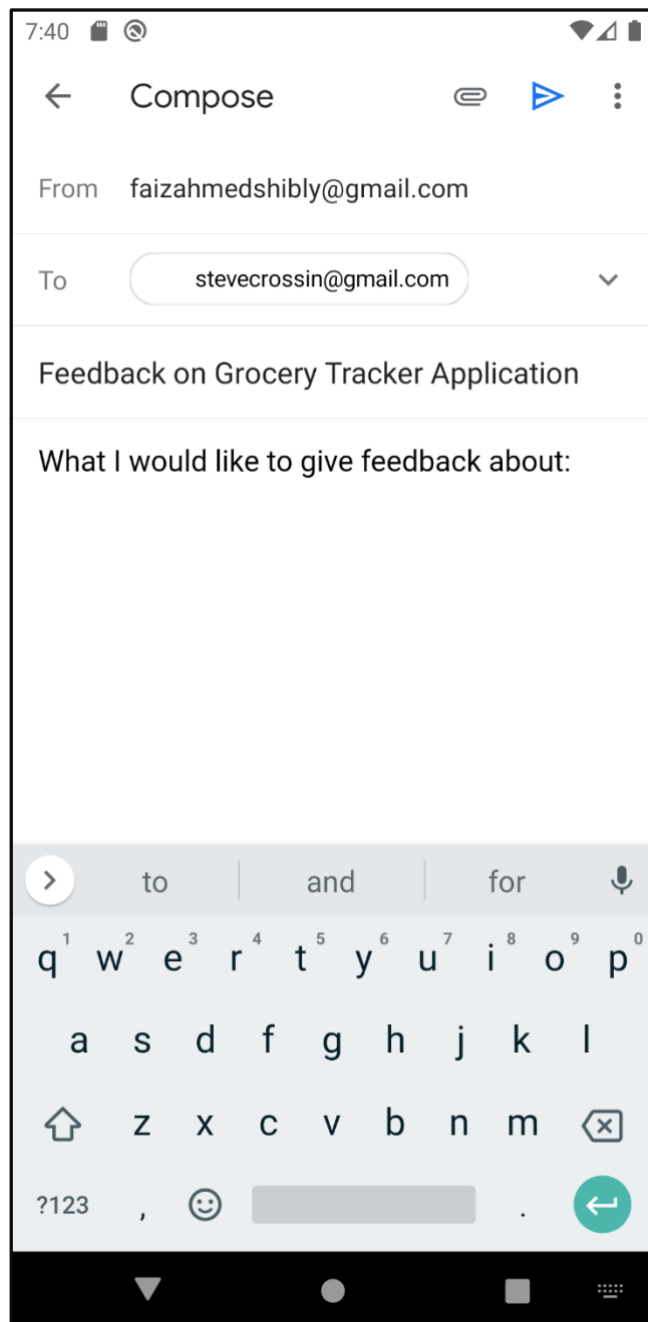


Figure 13: Feedback Delivery

About GLOBE and FAQ

You can learn more about us in the “**About Globe**” and find answers for some of the common questions you may have in “**FAQ**”.

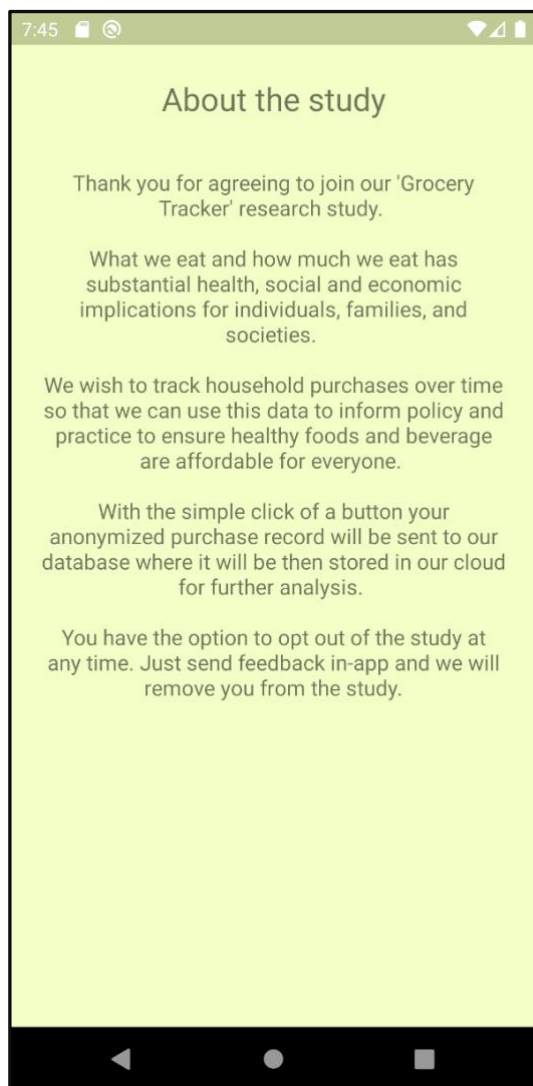


Figure 14: Information about the study and research carried out

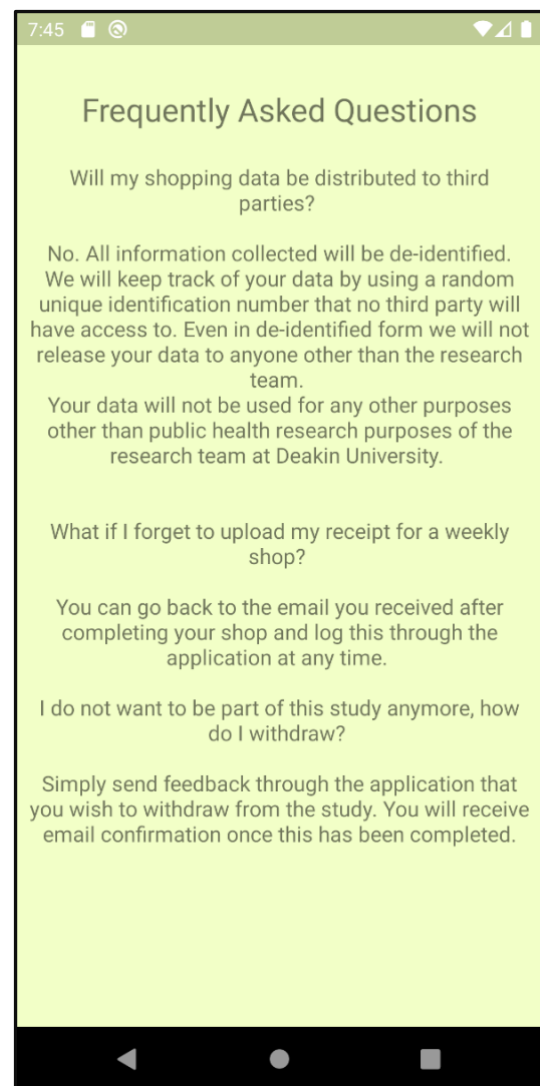


Figure 15: Frequently Asked Questions page

Receipt Reminder Notifications

To ensure that users regularly upload their receipts, a reminder notification feature has been implemented that sends out a reminder notification to a user when they have not uploaded for a certain amount of time.

When signing up, the user must provide the frequency in which they shop, with the options being either weekly, fortnightly, or monthly. Once the time since the user last uploaded a receipt has been longer than the shopping frequency they provided, a notification will be sent to the customer reminding them to upload.

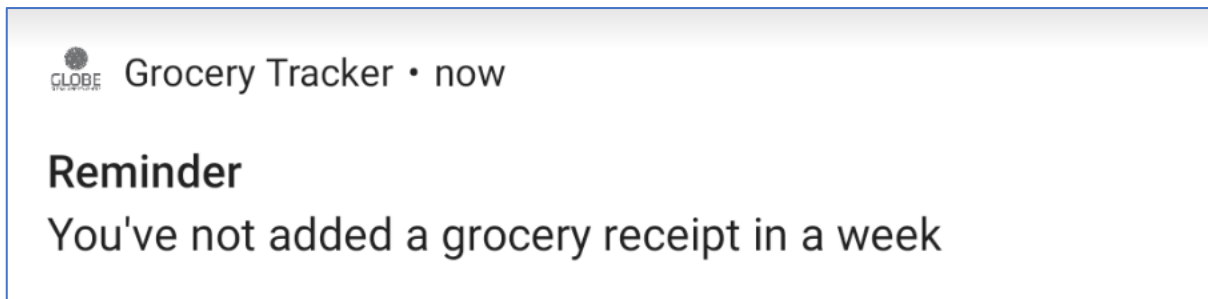


Figure 16: Receipt Reminder example

Sending dynamic notifications through Firebase

The Firebase console can be accessed at console.firebase.google.com, where you will be prompted to select the project you wish to access, assuming you have logged in with login details linked to the relevant project.

Once the project has been selected, select the In-App Messaging link in the menu on the left side of the page, shown below.

The in-app messaging is configured to trigger once per campaign you set up and will be triggered when the research participant goes to upload a receipt for the first time.

From here, edit the existing campaign which will present you with options to edit the preset settings such as the image, text, and survey link.

Once all the required options have been selected, pressing Review will finalise the notification so they are ready to be sent.

Connecting Firebase to Google Sheets

To access the Google sheet storing user and receipt data, proceed to the following link and provide these credentials:

- Link = <https://docs.google.com/spreadsheets/d/107JEIJ7SOh8YgFaq7vViZn-70mjCDPY5C28wRaERjMs/edit#gid=0>
- Email = **globedeakin@gmail.com**
- Password = **Globe1234**

The document contains two sheets, one for Receipt data, and the other for User data. A button “Synchronize Data” synchronizes the document with the Firebase Database, enabling the analyst/team to view user provided data.