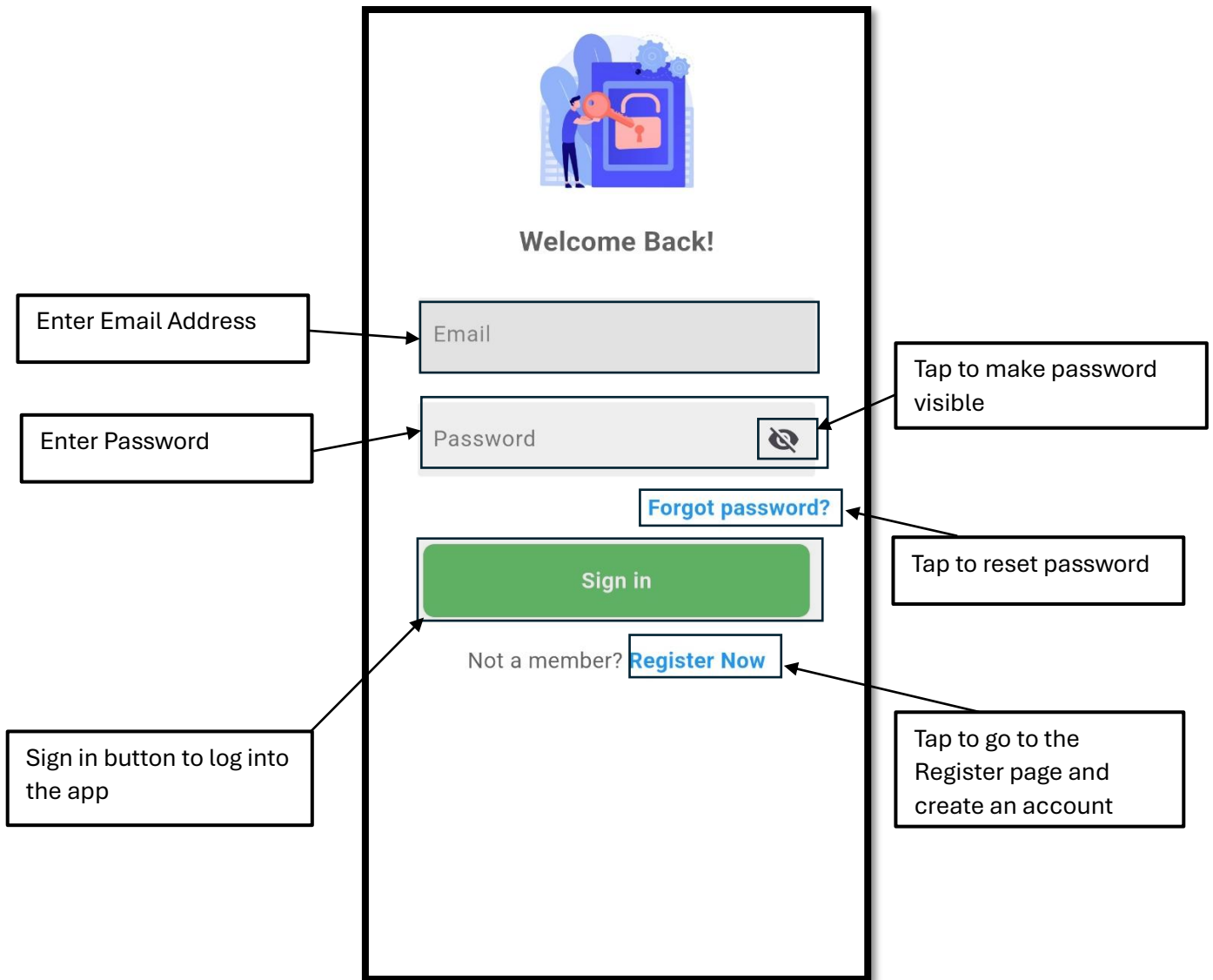




ShelfAware User Manual

Login Screen



- **Email Authentication:** The email address must be registered and authenticated by Firebase Authentication
- **Password Match:** The password must match the password stored in Firebase Authentication
- **Successful login:** After the first successful login, the user will be directed to the **Home** Page. If the user has been logged in before, they will be directed to the page they were on when they last logged out.



Registration Screen

The diagram illustrates a registration screen with the following components and annotations:

- Header:** A green circle icon with a person silhouette next to the text "Register Now!".
- Form Fields:**
 - First Name:** A text input field with the placeholder "First Name". An annotation "Enter First Name" points to it.
 - Last Name:** A text input field with the placeholder "Last Name". An annotation "Enter Last Name" points to it.
 - Email:** A text input field with the placeholder "Email". An annotation "Enter Email Address" points to it.
 - Password:** A text input field with the placeholder "Password" and a toggle icon. An annotation "Enter Password" points to it.
 - Confirm Password:** A text input field with the placeholder "Confirm Password" and a toggle icon. An annotation "Enter Password again to confirm" points to it.
- Password Validation:** A box containing four requirements, each marked with a red 'X':
 - At least 8 characters
 - Contains Uppercase
 - Contains Number
 - Contains Special CharacterAn annotation "Password Validation: When creating a password, it must meet these security requirements" points to this box.
- Sign up Button:** A green button with the text "Sign up". An annotation "Button to sign up" points to it.
- Login Link:** A blue link with the text "Login Now" preceded by "Already have an account?". An annotation "Tap to switch to login screen" points to it.

- **Email Address Format:** The email address must be formatted correctly (e.g., johnndoe@example.com).
- **Password Security Requirements:** The password must meet the security requirements as shown in the above screenshot. As you type, the system will indicate which requirements have been fulfilled by displaying a green checkmark next to each requirement.
- **Unique Email Address:** The email address must be an email that has not already been registered with another account.
- **Validation Check:** Account Registration will only proceed if the above validation requirements are met.



Home Screen

Location Icon

Tap to view your current location or change it.

Notification Bell Icon:

Tap to view all notifications related to expiry dates, messages and donation requests.

The red badge displays the number of unread notifications

Hamburger Icon:

Tap to open the side navigation menu

Category Filter Dropdown:

Tap to open a dropdown and filter food items by category (e.g. Fruits, Dairy, etc)

Expandable tiles:

Tap on each tile to expand it and view food items according to their expiry date.

Tap on the **Expansion Tile** again to close it

Add "FAB" Button:

Tap to open a form and add a food item

List View/Calendar View Toggle:

Tap to switch between **List View** and **Calendar View**

Pop-up options menu

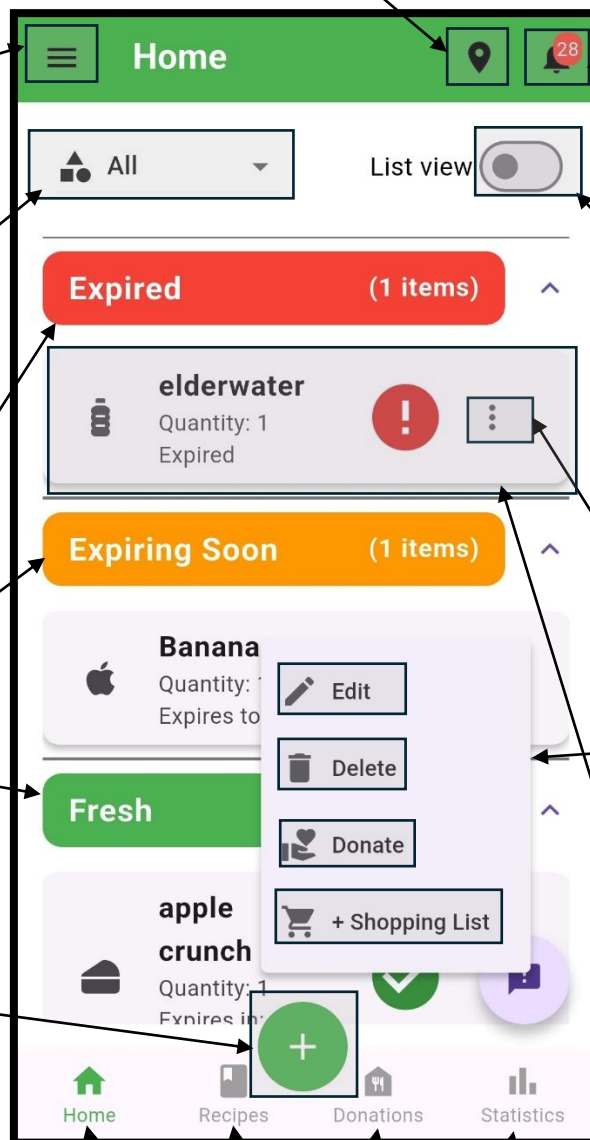
Tap to open a pop-up menu with three options: **Edit**, **Delete**, **Donate** or add the food item to the **Shopping List**.

Food Item card

Tap to view additional details about the food item or mark the item as **consumed** or **discarded**. You will then be able to view the food item on the **History** screen.

Bottom Navigation Bar:

Tap on each icon to navigate to the relevant page





Recipes Screen

Recipe Card:

Tap a recipe to go to the **Recipe Details** page and view the full ingredients list, along with instructions

Matching Ingredients

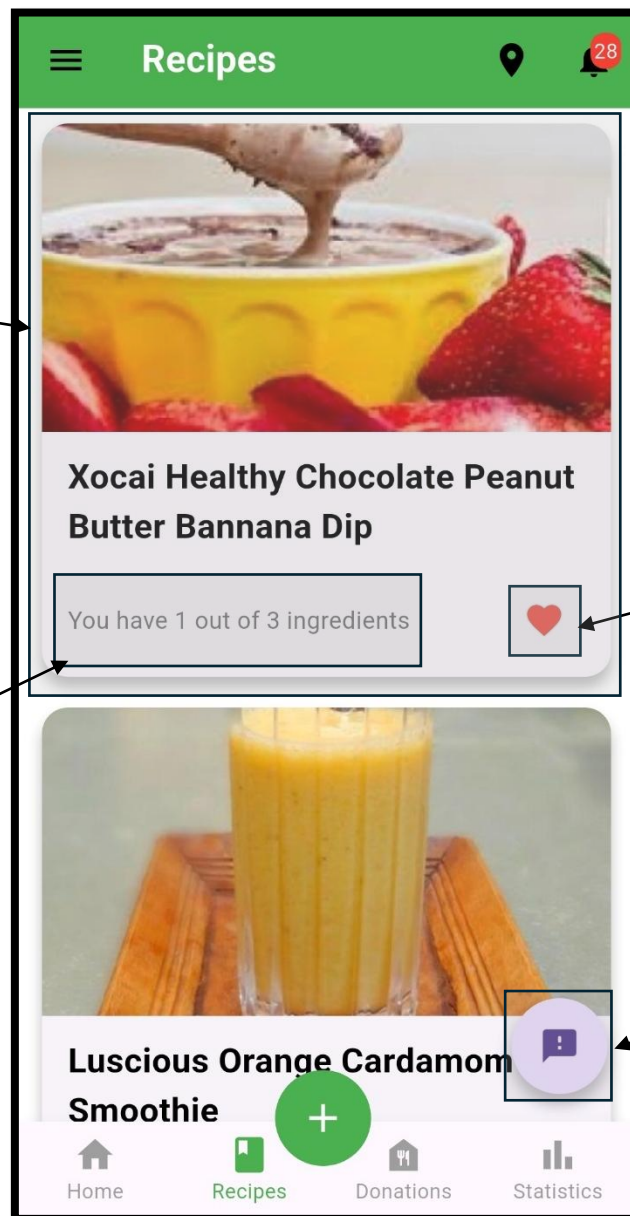
Displays the number of ingredients you currently have out of the total required for the recipe.

Favourites Button:

Tap to add a recipe to your "Favourites". Tap again to remove from Favourites.

Feedback Icon

Tap to provide any feedback, along with an optional screenshot, if you encounter any bugs or UI issues or have a feature request.





Donation List Screen

Donation Card

Tap to display more details about the donation. You will have the option to contact the donor or send a donation Request.

You will also see the donation location on a map

Watch List Button

Tap to add a donation to your watch list for future reference

Donation Status

Displays the status of the donation.

Donation Distance

Displays the distance of the donation from the user's location in miles

Donation Filter Icon

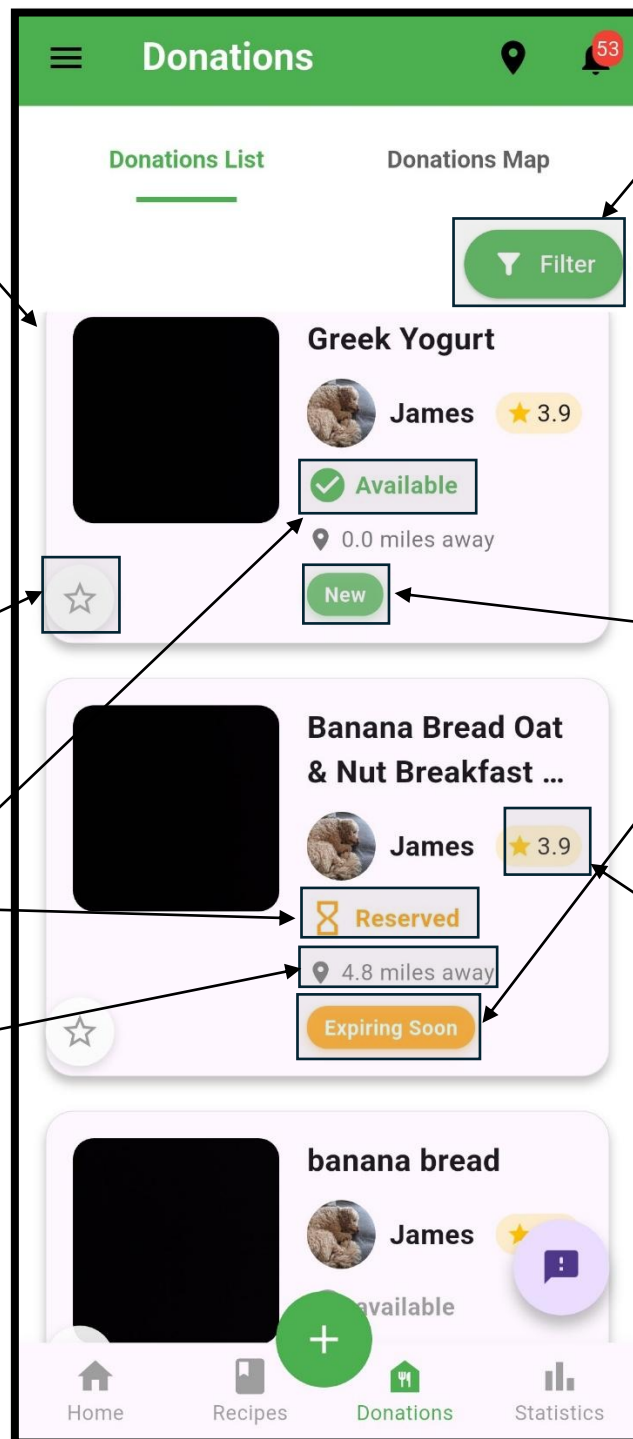
Tap to display a donation filter. You can filter donations by **Newly Added**, **Expiring Soon**, or **distance** from your current location. Tap **Apply** to apply the selected filters.

Donation Labels

The labels **New** and **Expiring Soon** will be shown if the donation is either newly added or is close to the expiry date

Donor Star Rating

Displays the overall star rating of the Donor, based on reviews given by other users.





Donation Details Screen

Donation Image

Displays an image of the donation.

Donation Status

Displays the status of the donation.

Pickup Instructions

Displays the pickup times and instructions as set by the donor.

Contact Donor Button

Tap to start a conversation with the donor or continue a previous conversation about this donation.

Donor Star Rating

Displays the overall star rating of the Donor, based on reviews given by other users.

Watch List Star Icon

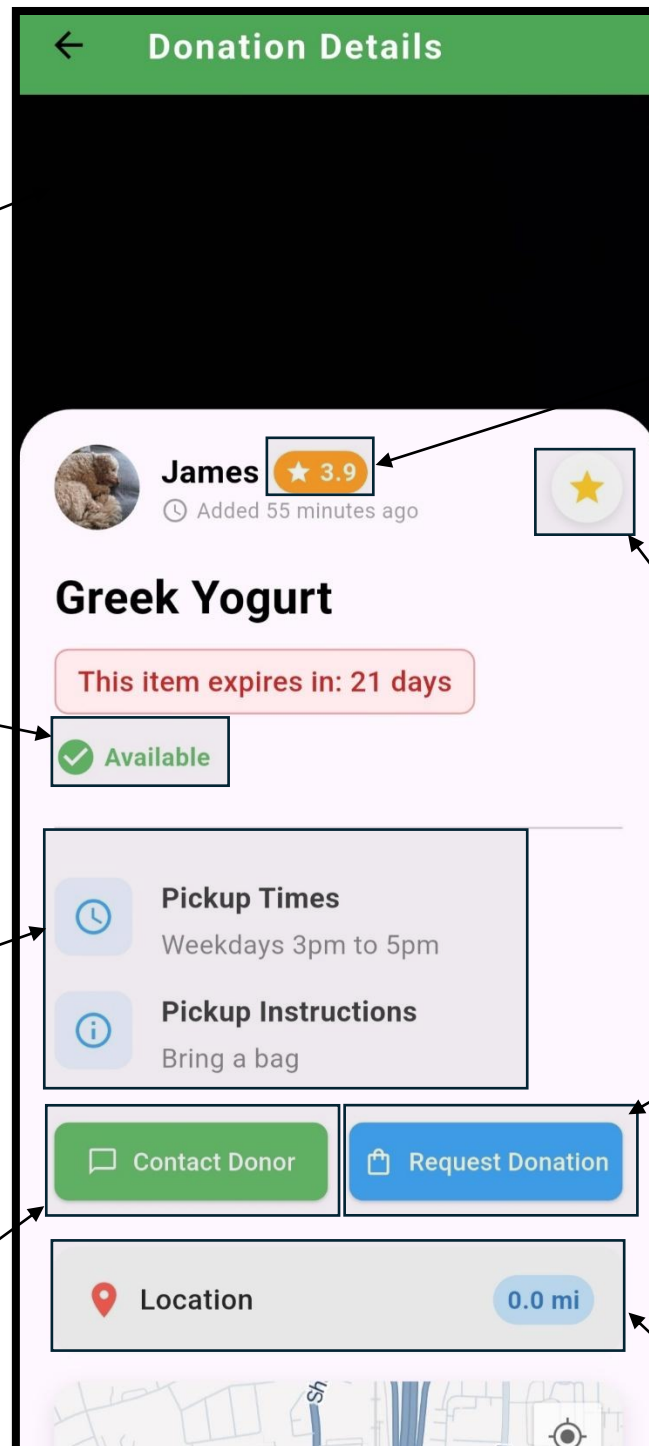
Tap to add a donation to the watch list for future reference. The star icon will be yellow if already added to the watchlist.

Request Button

Tap to open a donation request form and send a request to the donor. If already requested, the button will no longer be tappable.

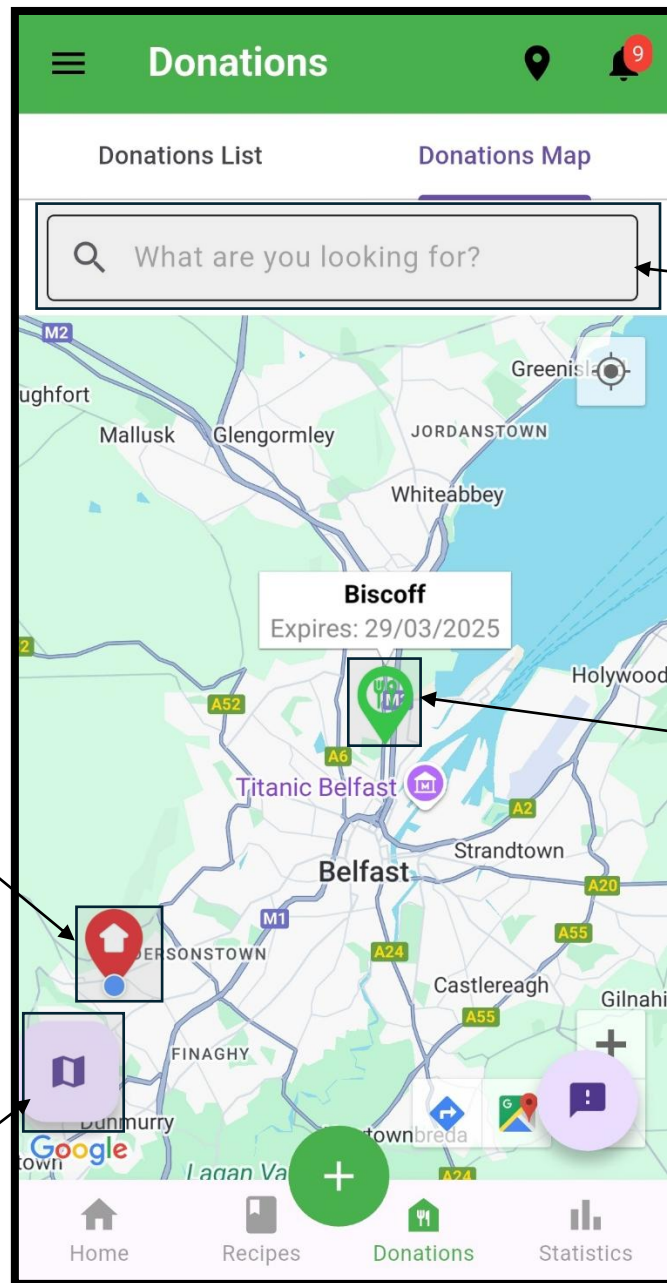
Location Map

Displays the distance of the donation in miles from the user location. Scroll down to view the location on a map.





Donation Map Screen



Donation Search Bar

Enter the name of a food item here to filter donations by a specific food name

Donation Marker

This shows a donation location on the map. Tap the marker to display more details about the donation

Home Marker

This shows your current location on the map

Food Bank Button

Tap this button to view local food banks near your location on Google Maps



Shopping List Screen

"Tick All" Checkbox

Tap to mark all products on the Shopping List as Purchased

Hide Purchased Toggle

Tap to hide purchased items in the list

Purchased Checkbox

Tap to mark a product as "Purchased"

Scan Barcode

Tap here to scan a Barcode from food packaging and retrieve the product name

Add Button

Tap to add the product to your shopping list

Trash Icon Button

Tap to remove the product from Shopping List

Quantity Dropdown

Tap to update the quantity for each food item

The screenshot shows the 'Shopping List' app interface. At the top is a green header bar with a back arrow, the title 'Shopping List', and a 'Scan Barcode' button. Below the header is a search bar with the placeholder text 'Enter product name' and a magnifying glass icon, followed by a green circular button with a white plus sign. Below the search bar are two controls: a 'Tick all' checkbox and a 'Hide Purchased' toggle switch. The main list contains two items: 'Bread' and 'Milk'. Each item has a checkbox on the left, the item name in the center, a quantity dropdown in the middle, and a trash icon on the right. 'Bread' is marked as 'Purchased' (checkbox is checked, label is green), and 'Milk' is marked as 'To buy' (checkbox is unchecked, label is grey). Arrows from the callout boxes point to the 'Tick all' checkbox, the 'Hide Purchased' toggle, the 'Scan Barcode' button, the plus button, the 'Bread' checkbox, the 'Milk' checkbox, the quantity dropdown for 'Bread', the trash icon for 'Bread', and the quantity dropdown for 'Milk'.



History Screen

Sort Dropdown

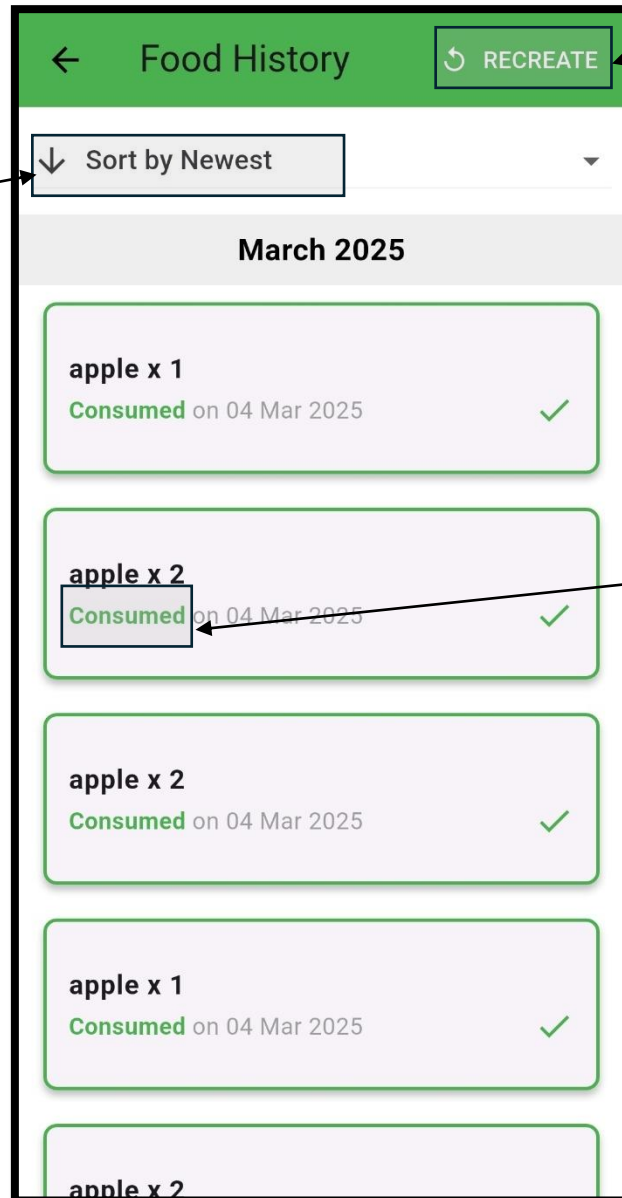
Tap to display a dropdown and sort your food history by **Newest**, **Oldest**, **Consumed** or **Discarded**.

Recreate Button

Tap to recreate a food item from the list and add it to your inventory. You will be able to select multiple items but change details like expiry date, quantity, etc.

Food Item label

This indicates whether the food item was marked as **Consumed** or **Discarded**.





Statistics Screen (Overview)

Month Picker:

Tap to open the Month picker, select a month, and the pie chart will display the percentages for each category:

Consumed, **Discarded** and **Donated** for the selected month.

Pie Chart Legend

The legend shows what each section of the pie chart represents, using different colours for each food category:

Consumed, **Discarded**, and **Donated**.

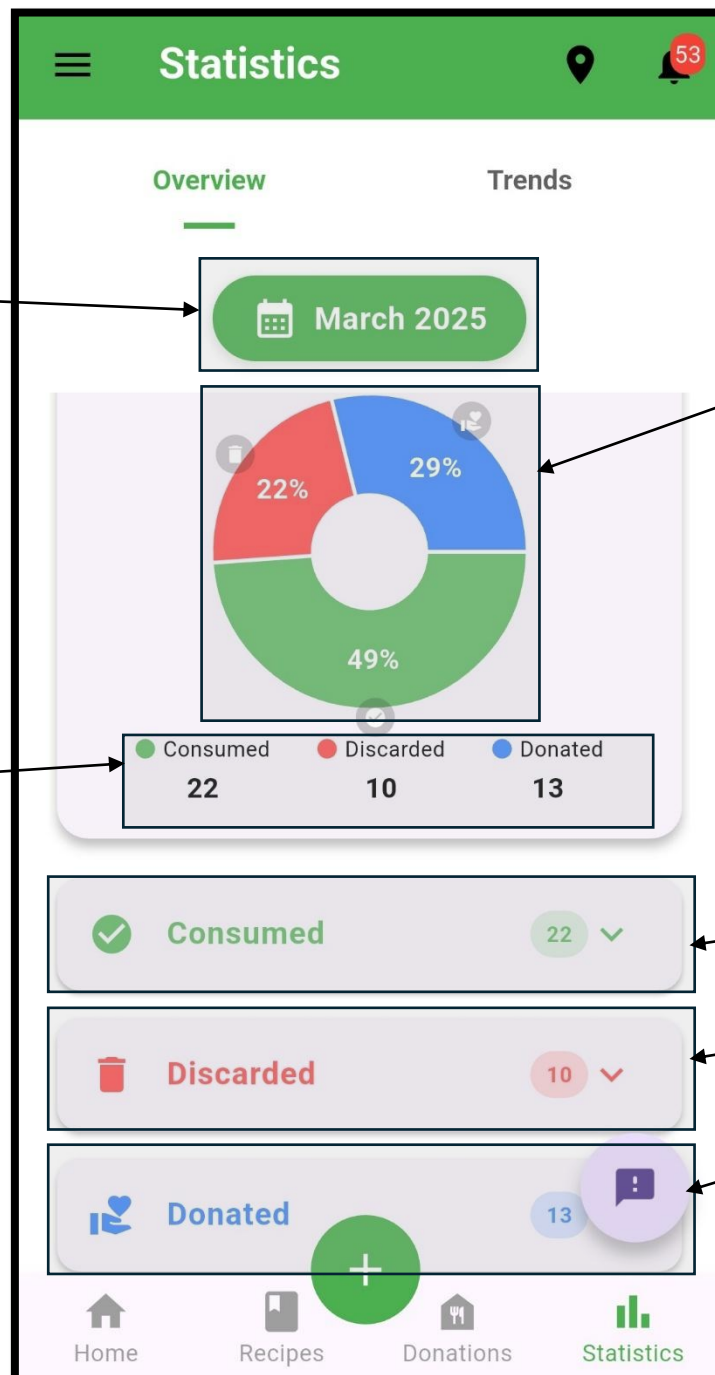
Monthly Pie Chart

This pie chart displays the user's percentage of Consumed, Discarded and Donated food items per month.

Category Expansion Tiles:

Tap to expand each tile and display food items for each category, **Consumed**, **Discarded** and **Donated** for the selected month.

Only Donations with the status "**Picked Up**" will count as **Donated**.





Manage Donations Screen (My Donations Tab)

The screenshot shows the 'Manage Donations' screen with a green header bar. Below the header, there are two tabs: 'My Donations' (active) and 'Sent Requests'. A dropdown menu is set to 'All'. The main content area displays three donation cards. The first card is for 'Banana Bread Oat & Nut Breakfast Bar' with a status of 'Reserved' (orange icon), a date of '03 Apr 2025, 19:36', and 'Reserved for: Claire'. It has a red badge that says '1 request'. The second and third cards are for 'apple' with a status of 'Donated' (green icon) and a red badge that says '2 requests'. Callouts point to the status filter dropdown, the donation cards, the status icon, the request count badge, and the 'Donated' label.

Donation Status Filter
Tap to display a dropdown and filter your donations by status (Available, Reserved, or Picked Up).

Donation Card
Tap to view more details about your donation, or accept or decline donation requests

Donation Status Icon
The status of your donation

Donation Count badge
This shows the number of requests for your donation

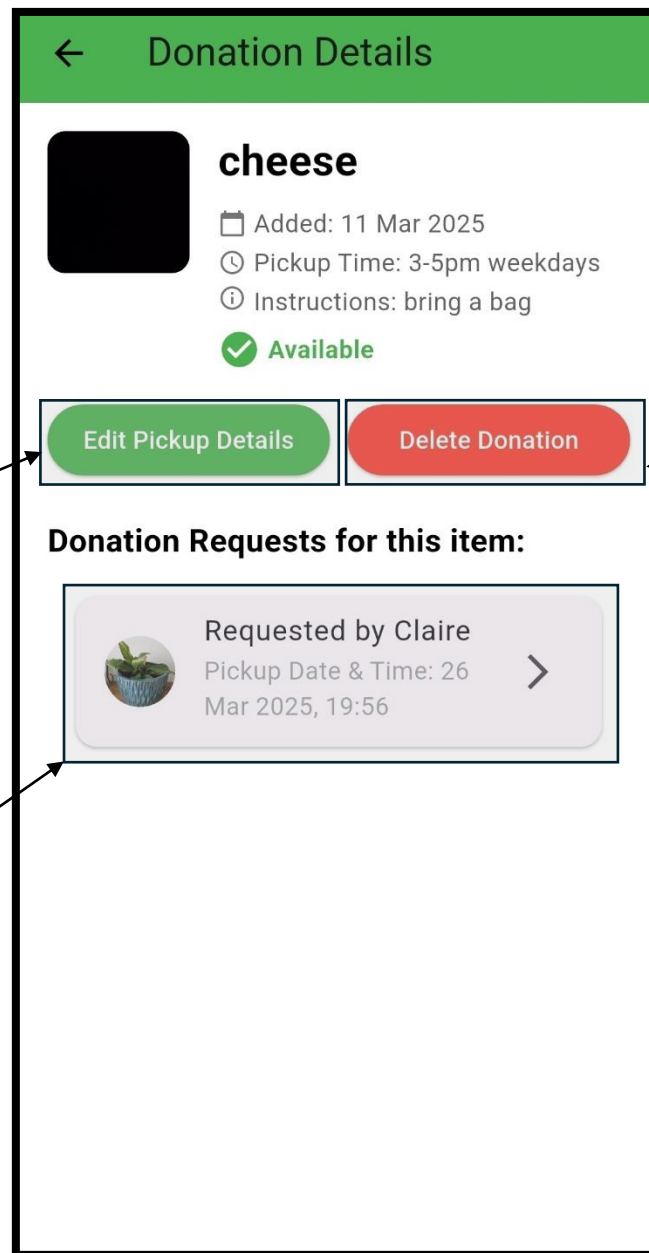
Donation Label
This is displayed when a donation has been marked as "Picked Up".

Status Filter dropdown options:

- **Available:** This status indicates that the item is available for donation and is visible to other users on both the donation list and map.
- **Reserved:** This status indicates that a donation request for this item has been accepted and is now reserved for the recipient.
- **Picked Up:** This status indicates that the donation has been collected by the recipient and marks the donation as complete. The donation will no longer be visible to other users.



Donation Details Screen



Edit Pickup Details Button

Tap this button to edit the pickup time and instructions for your donation.

Donation Request Card

This will display donation requests sent by users for your donation. Tap the card to either **Accept** or **Decline** the request.

If a request is accepted, the donation will be reserved for the requester, and its status will be updated to **'Reserved.'**

Delete Donation Button

Tap this button to remove your donation. Once deleted, it will no longer appear within donation listings or be displayed on the donation map.

This button will only appear if the status is **Available.**



Manage Donations Screen (Sent Requests Tab)

Donation Request Filter

Tap to display a filter dropdown and sort donation requests by **Accepted**, **Declined**, **Pending**, and **Picked Up**.

Message Button

Tap to send a message to the donor of the food item.

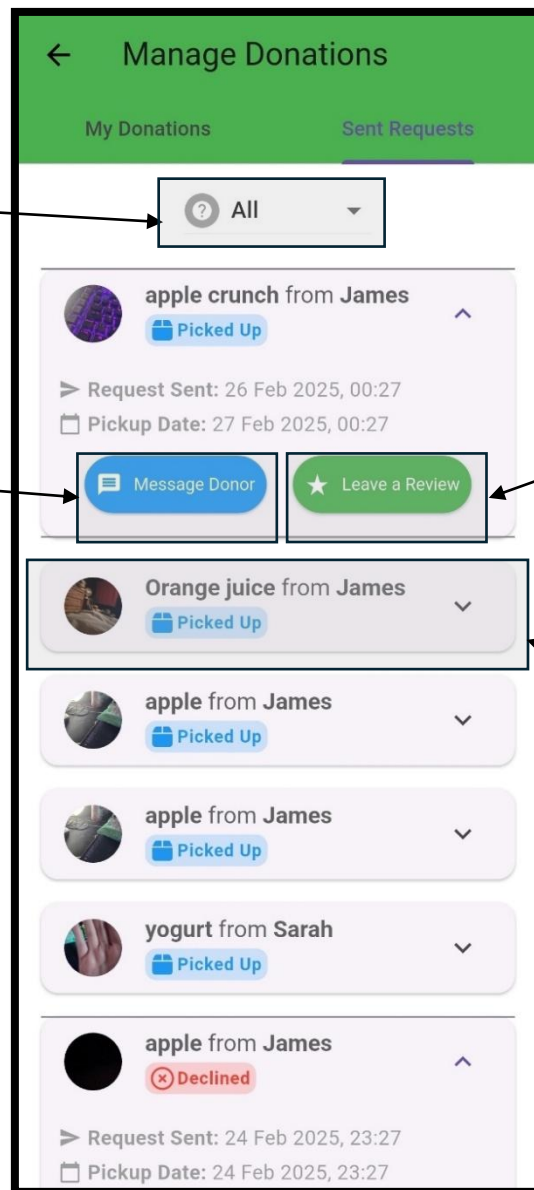
Leave Review Button

Tap to leave a review for the donor after you've collected your donation.

This will only appear once the donation has been marked as **Picked up**.

Donation Request Tile

Tap to expand the donation request tile to see more details and options for the donation request.



Donation Request Filter Options:

- **Pending:** This status indicates that the donation request hasn't been accepted or declined by the donor yet. This is the default status.
- **Accepted:** This status indicates that the donation request has been accepted by the donor. Once accepted by the donor, all subsequent requests for the donation will be automatically declined.
- **Declined:** This status indicates that the donor has declined the donation request.
- **Picked Up:** This status indicates that the donor has marked the donation as picked up.



Side Navigation Menu

My Profile

Tap here to navigate to your profile. It will display the join date, profile image, bio and reviews from other users.

Profile Picture

Tap to upload an image to display on your profile. Users will see your profile image in Donation Listings.

Shopping List Screen

Tap to navigate to the shopping screen and add food items to the list.

Recipe Favourites

Tap to navigate to the favourites screen to view recipes you've favoured

Manage Donations

Tap to navigate to the manage donations screen. You can view your donation listings and respond to donation requests.

You can also view the status of your donation requests

Log off

Tap to sign out of your account

Feedback Survey Button

Tap to complete a Usability survey on Google Forms and provide valuable feedback.

History Screen

Tap to navigate to the History screen, and see your food history for consumed and discarded items

Watch List Screen

Tap to navigate to the Watch list screen to view donations you've added to your watch list.

Messages

Tap to navigate to the chat list screen where you can see your previous chats and respond to messages.

The red badge icon shows the number of unread messages

Settings

Tap to navigate to the Settings screen. You can change the theme (light mode or dark mode), turn notifications on or off, view the privacy policy, or request the deletion of your account.

