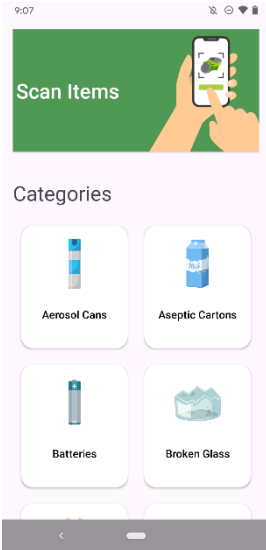
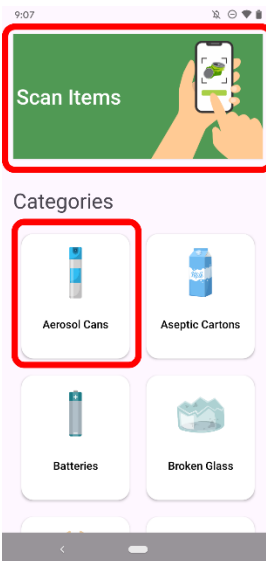


# Scan & Sort User Manual



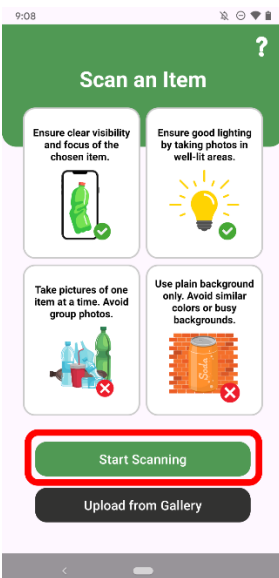
## 1. Home Page Overview

- Upon opening the app, users are greeted with a home page.
- The home page prominently features a main scanning button which prompts you to a different page and below it is a list of item categories, each represented by a button.
- Categories include Aseptic Cartons, Aerosol Cans, Cardboard, and more.



## 2. Navigation and Selection

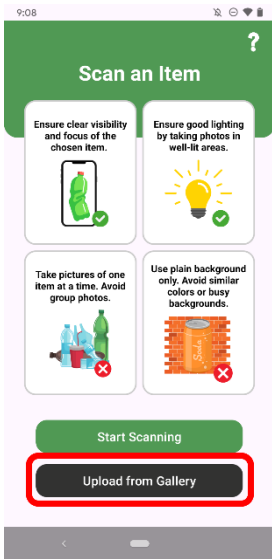
- Users can explore different categories by tapping on the corresponding buttons of their choosing.
- Each category leads to detailed information about the recyclability of items belonging to that category.
- After the user is done reading, they can go back to the home page and select another category or click the “Scan Items” button to proceed to item scanning.



## 3. Taking a Picture Using the Camera to Scan Items

- Navigate to the “Scan Items” section from the home page.
- Users are provided with instructions for capturing an image:
  - Ensure clear visibility of the item.
  - Ensure good lighting by taking pictures in well-lit areas.
  - Take pictures one at a time.
  - Use plain backgrounds or a background color that is not similar to the item.
- Below the instructions, locate the “Start Scanning” button.
- Tap on the button and grant camera permissions to the app to start taking pictures.
- After granting permission, the interface of the user’s phone camera will open, allowing users to capture a picture of their chosen item.
- After taking a picture of an item, the app processes the image using image recognition.

- It predicts the type of the item captured based on the image content and compares it to the stored database information from the different categories. Take note that the prediction is not 100% accurate.



#### 4. Using an Existing Photo to Scan Items

- Navigate to the “Scan Items” section from the home page.
- Users are provided with instructions for capturing an image:
  - Ensure clear visibility of the item.
  - Ensure good lighting by taking pictures in well-lit areas.
  - Take pictures one at a time.
  - Use plain backgrounds or a background color that is not similar to the item.
- Below the instructions, locate the “Upload from Gallery” button.
- Tap on the button and grant storage/gallery permissions to the app to see existing photos
- After granting permission, the interface of the user’s phone gallery will open, allowing users to select a photo of their chosen item.
- After selecting a photo of an item, the app processes the image using image recognition.
- It predicts the type of the item captured based on the image content and compares it to the stored database information from the different categories. Take note that the prediction is not 100% accurate.