

MeroBhoomi

User Guideline

- First you need to open the MeroBhoomi app from Expo GO and then a login form is displayed. Enter the registered email address and password and you're good to go.



Welcome Back!

Login to your account

ojaswimaharjan23@gmail.com

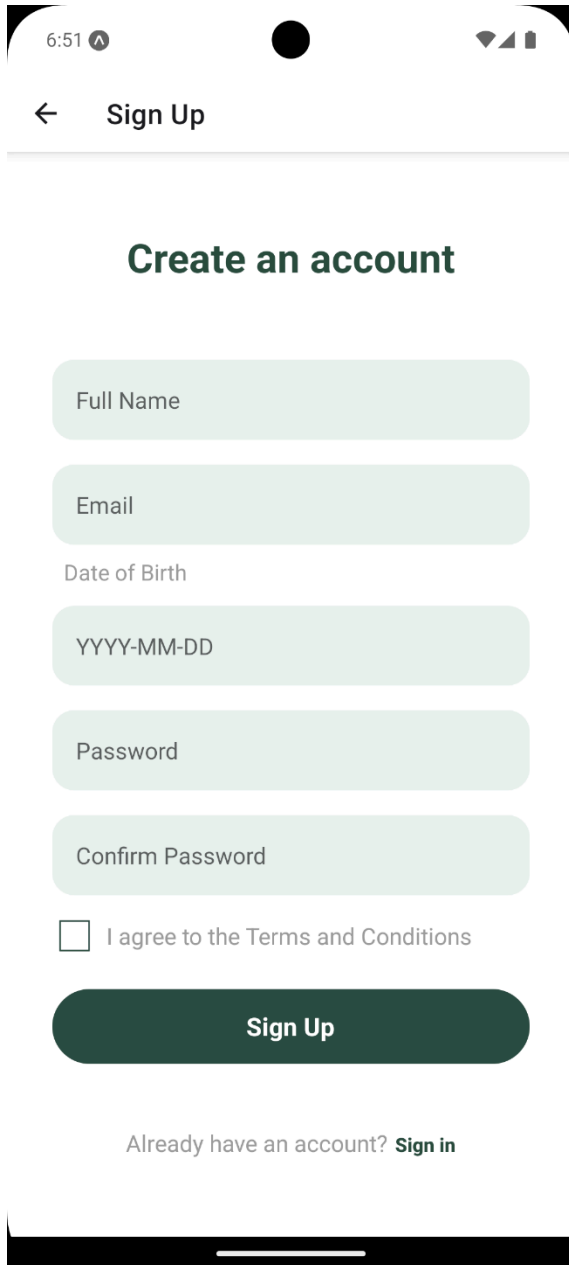
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[Forgot Password?](#)

Login

Don't have an account? [Sign up](#)

- For new users, just click the sign-up page and fill in your details to register yourself in the application.

A mobile application sign-up screen. At the top, the status bar shows the time 6:51 and signal strength. Below the status bar is a navigation bar with a back arrow and the text "Sign Up". The main heading is "Create an account". The form consists of several input fields: "Full Name", "Email", "Date of Birth" (with a placeholder "YYYY-MM-DD"), "Password", and "Confirm Password". Below the fields is a checkbox labeled "I agree to the Terms and Conditions". A large, dark green "Sign Up" button is centered below the checkbox. At the bottom, there is a link: "Already have an account? Sign in".

6:51

← Sign Up

Create an account

Full Name

Email

Date of Birth

YYYY-MM-DD

Password

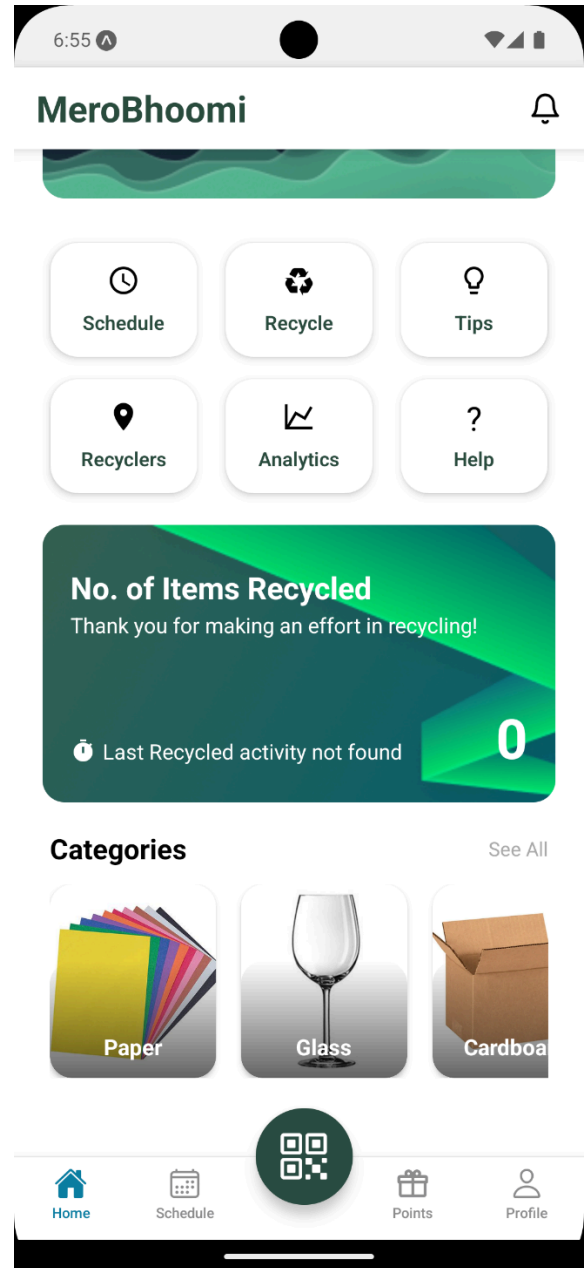
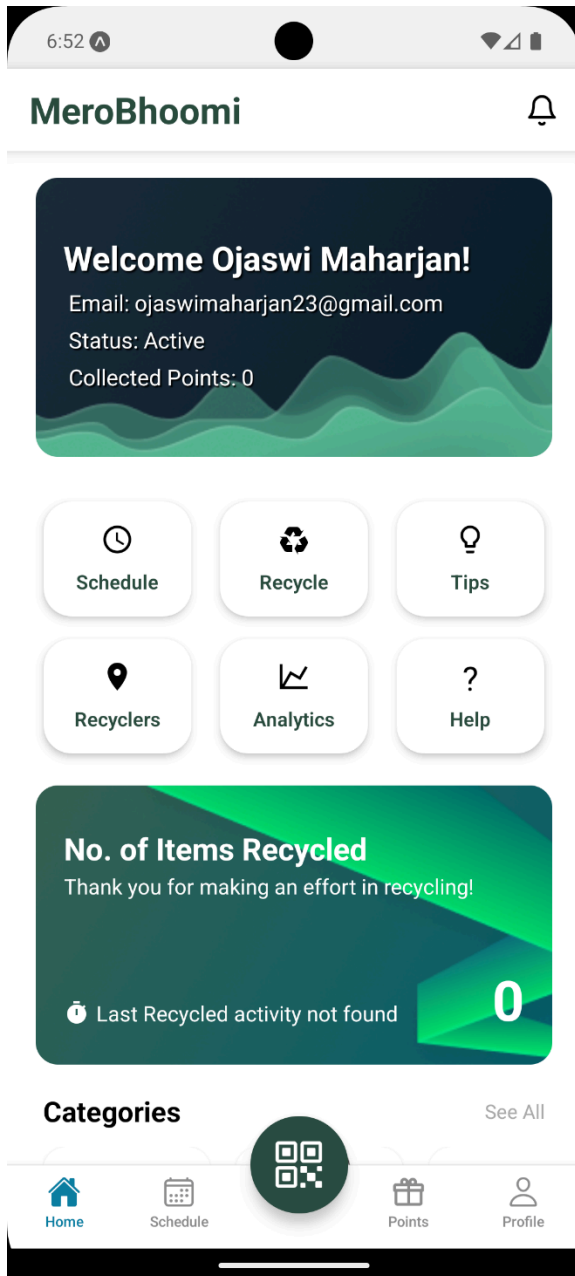
Confirm Password

I agree to the Terms and Conditions

Sign Up

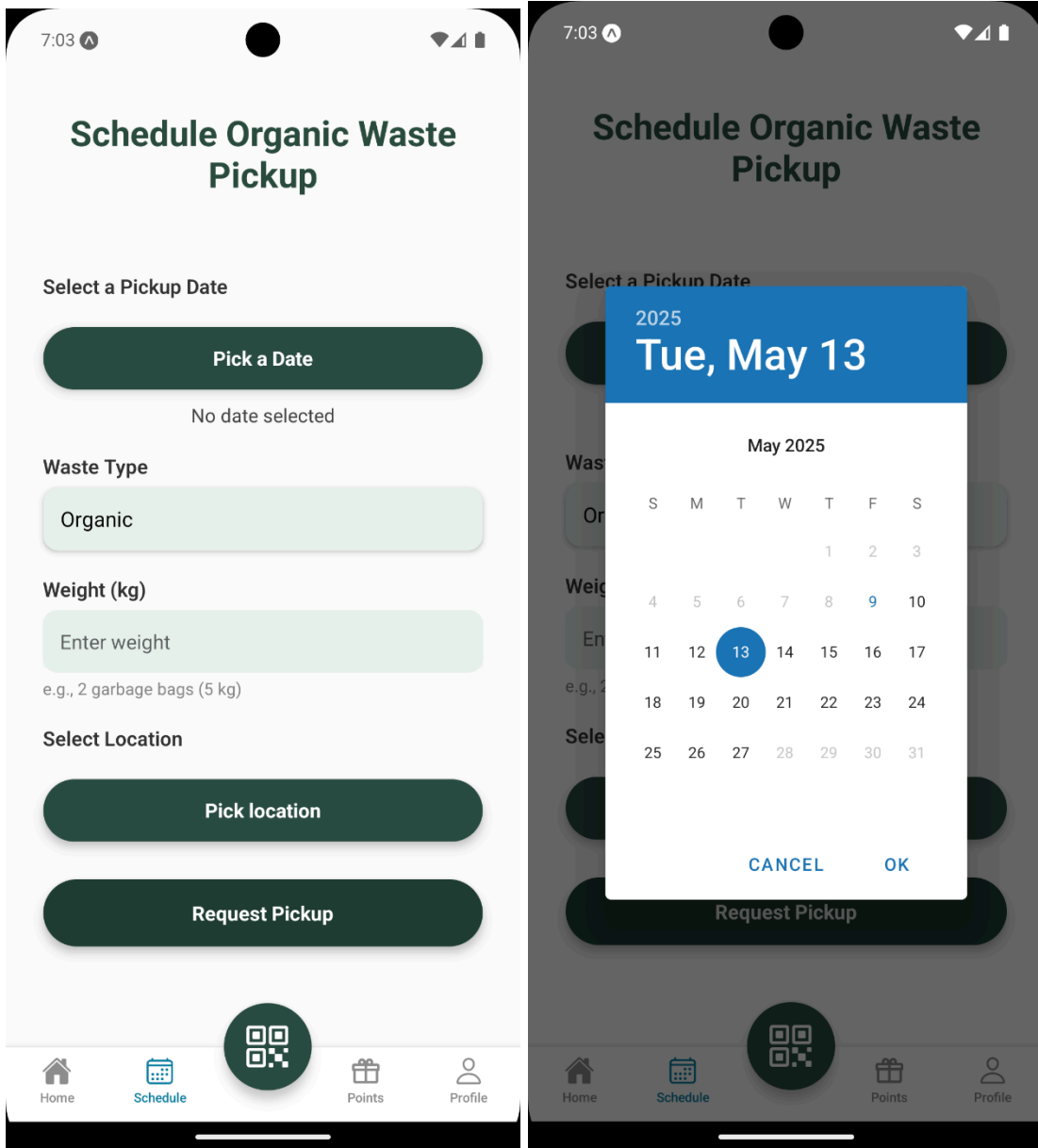
Already have an account? [Sign in](#)

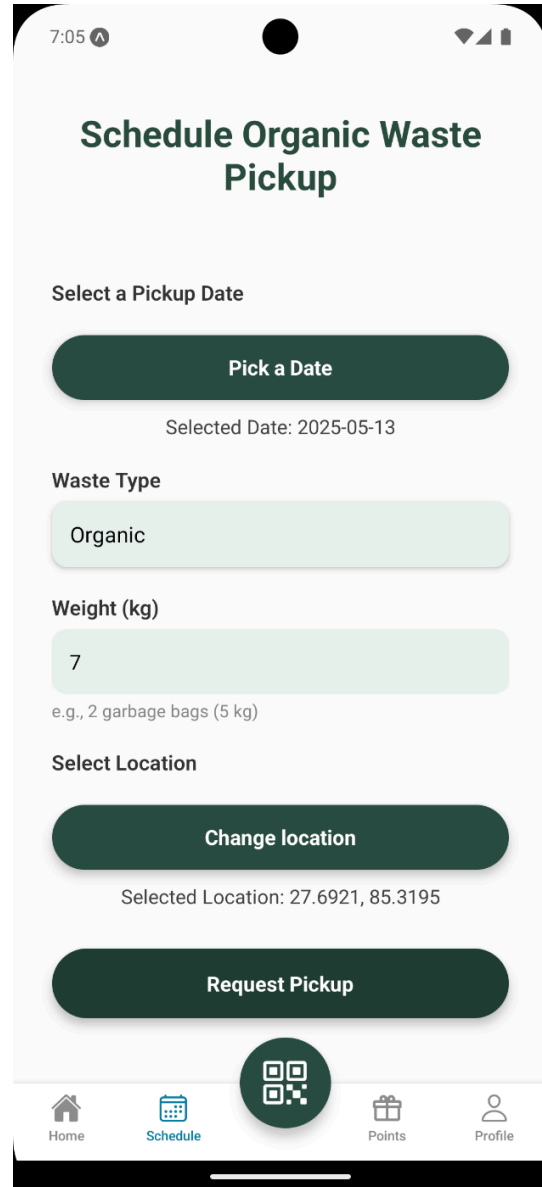
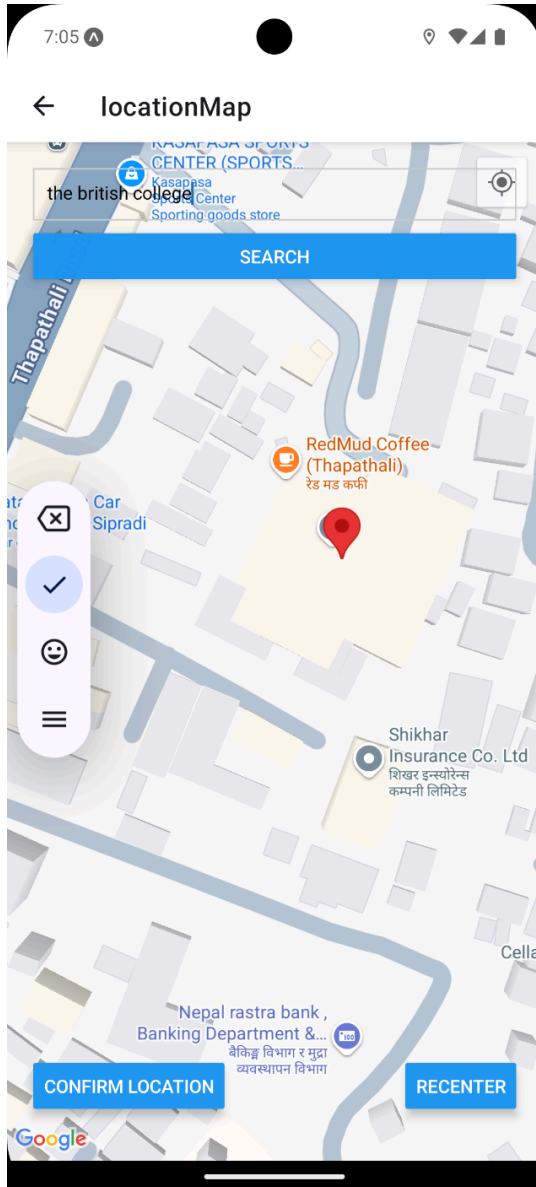
- The homepage of MeroBhoomi features a component of user information, navigation section, data visualization for total number of items recycled, and displays recyclable waste categories.



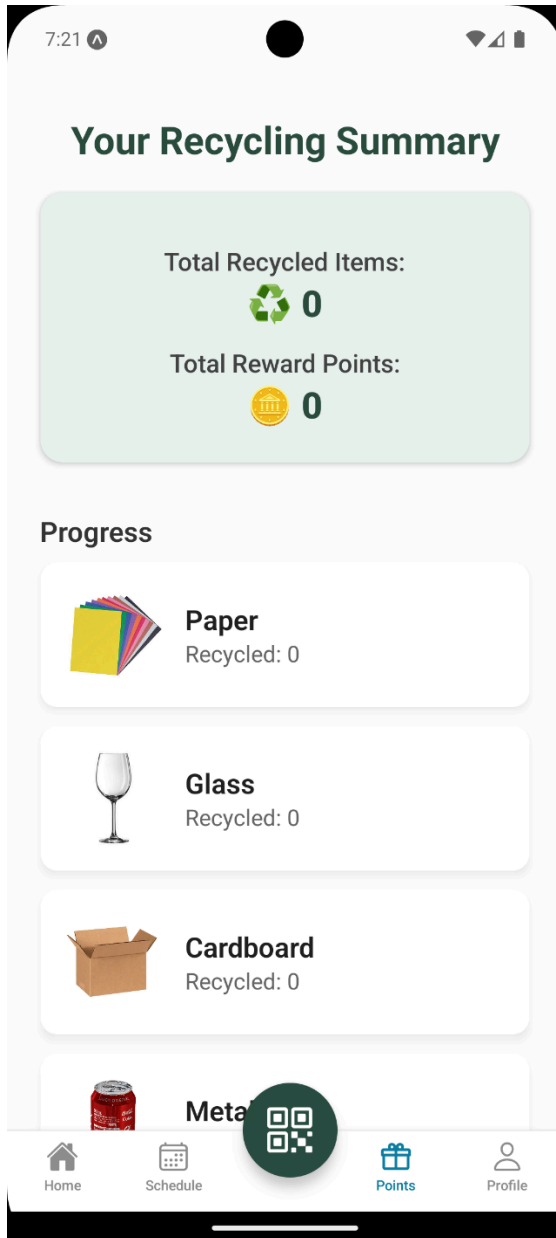
- The bottom navigation bar allows navigation between different screens: Home, Schedule, Scanner, Points, and Profile.
- The 'Schedule' screen provides a form to schedule organic waste pickup only. Click on 'Schedule' tab from the bottom navigation. Users can choose two days

in a week, either Tuesday or Friday. Enter the weight of the organic waste and select the location for pickup.

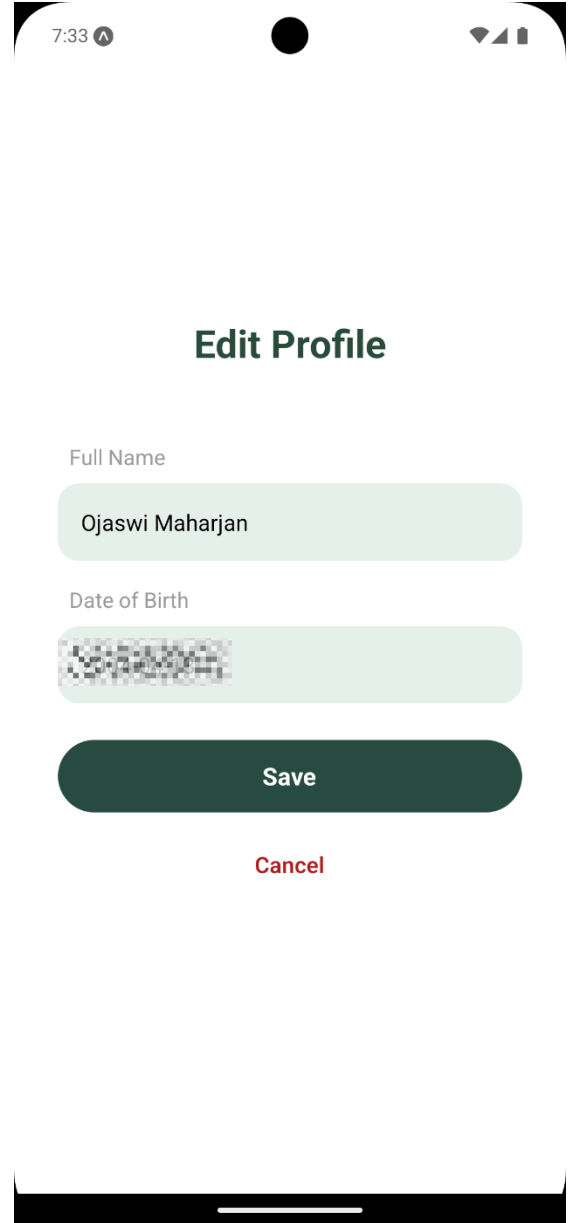
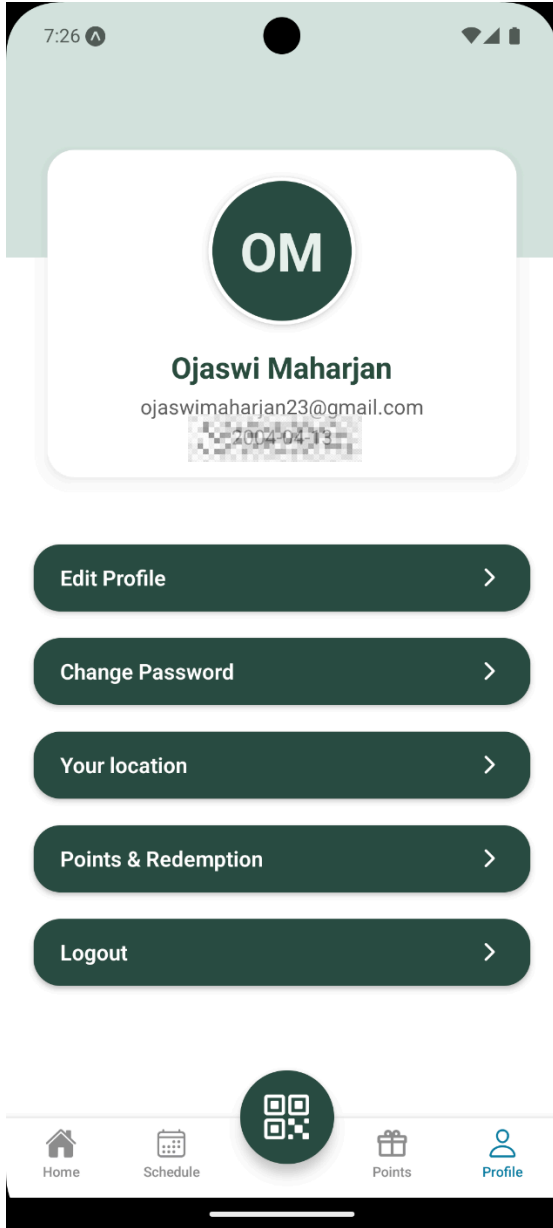


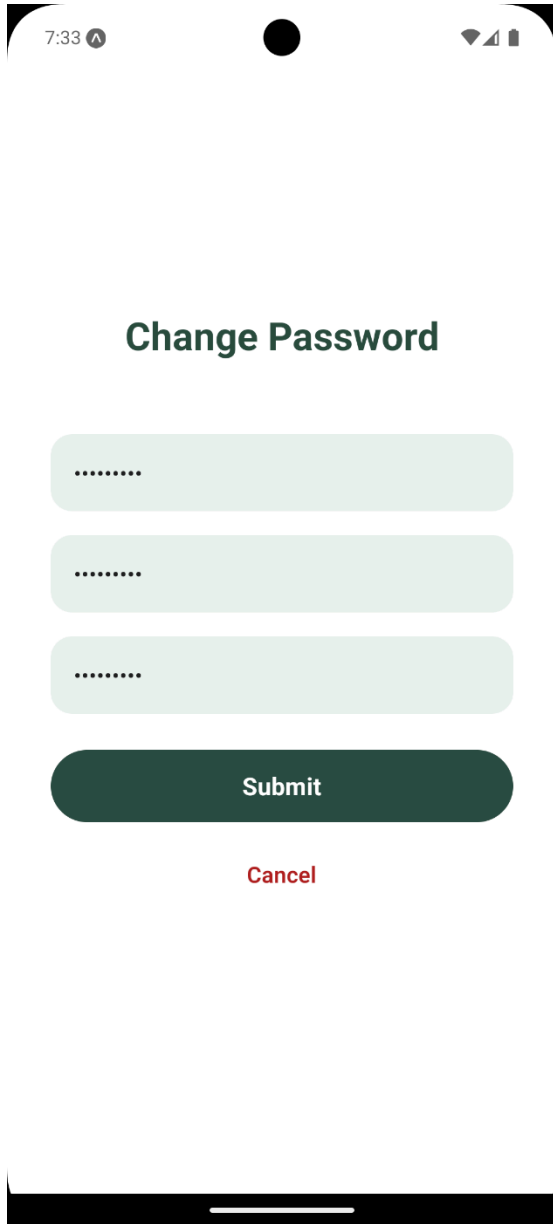


- Click on 'Points' button from the bottom navigation bar. You can view your recycling summary here including total recycled items, reward points that you collected and the category of your recycled item.



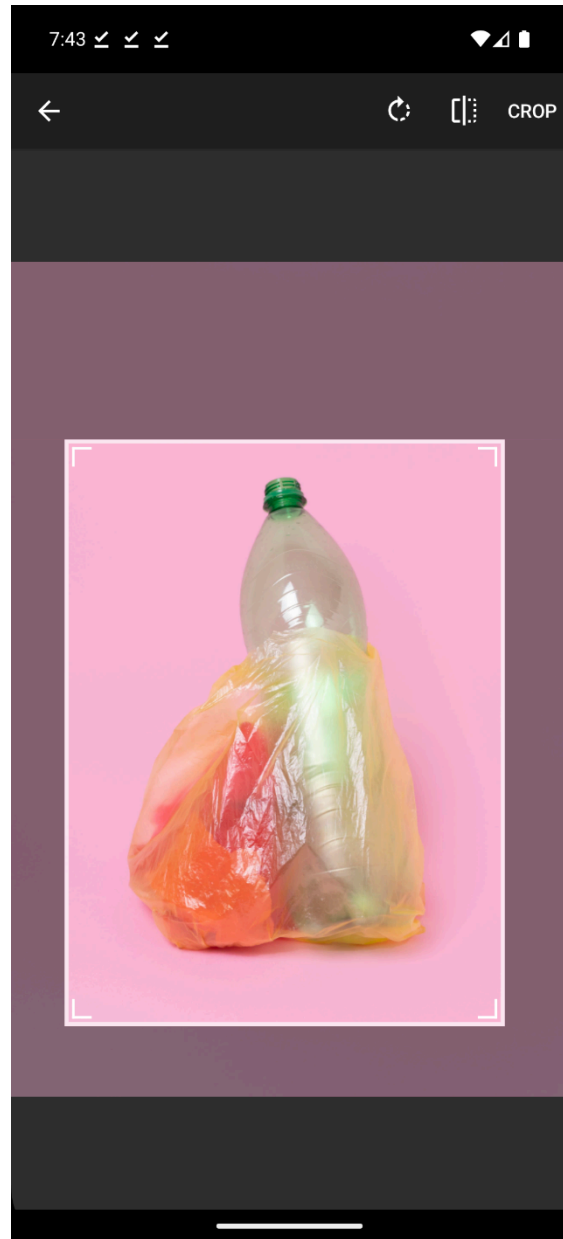
- Click on 'Profile' to view and edit your profile or change your password. After granting location permission, you can also see your current location. Finally, you can log out from the application from this screen.





- After clicking on Scanner screen, you will get two options for identifying your trash. Either you can choose to upload image by clicking on open from camera or gallery.

Here an example of predicting waste types from the gallery is being shown. You can upload an image, adjust its size by cropping then proceed to click on 'Crop' button to upload.



Waste type is classified into its respective category, you will earn points based on quality and accuracy of your picture. View and follow the recycling steps.

← Trash Prediction

Your Trash Prediction



Plastic

Accuracy: 0.999

Recycling this type of item helps reduce waste and conserve resources.

Points Earned

50 points

Total: 50

For each recycled item, you get a different amount of coins based on the accuracy. To get higher points upload best angled single image and recycle it.



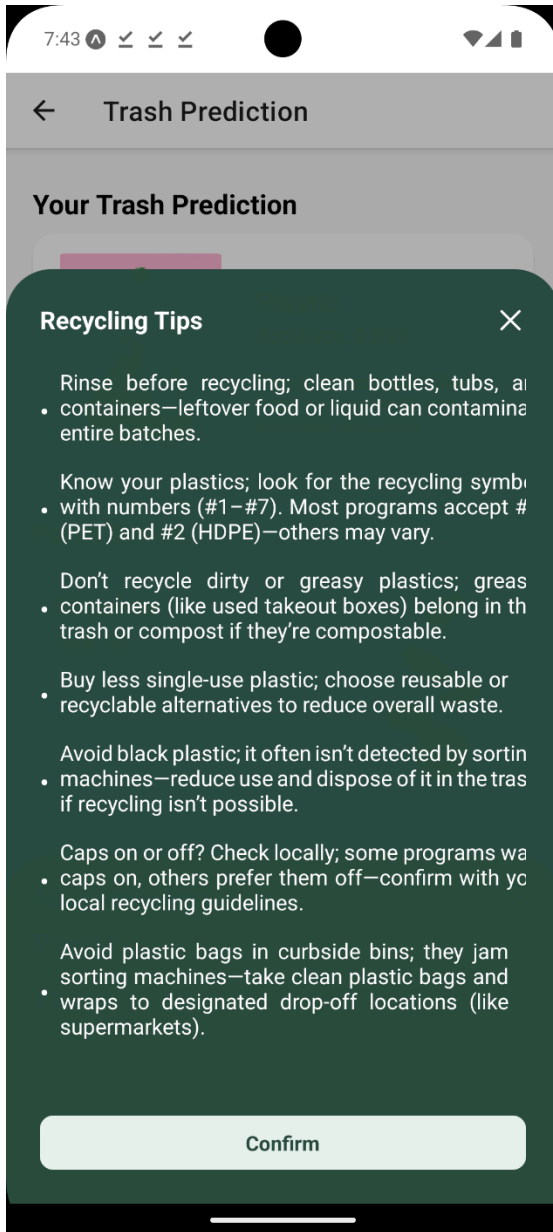
Tips on recycling: ^

Plastic

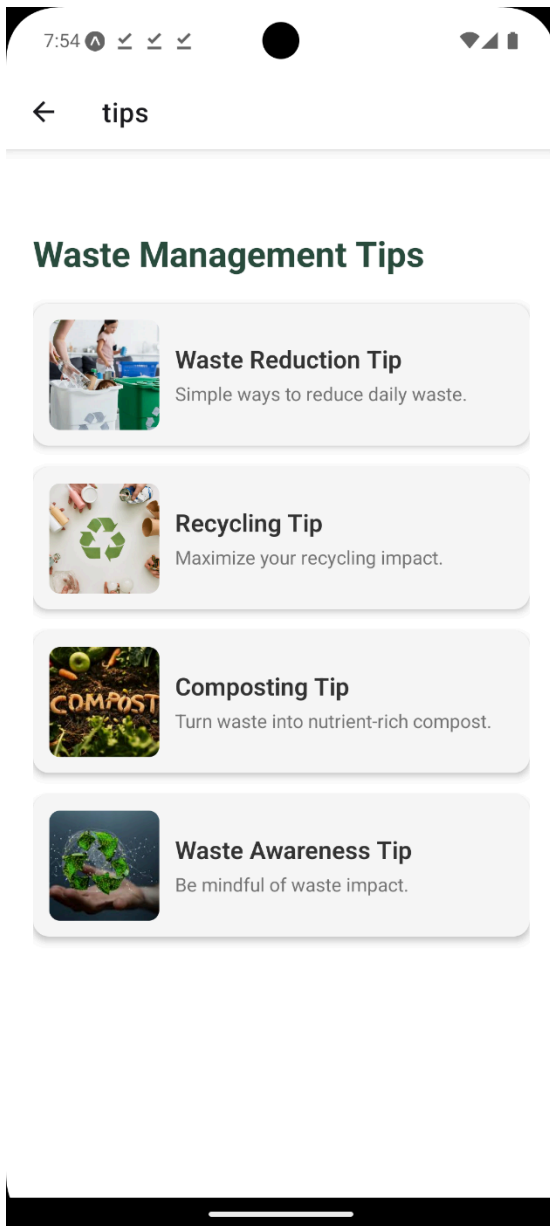
#1

Rinse before recycling; clean bottles, tubs, and containers—leftover food or liquid can contaminate entire...

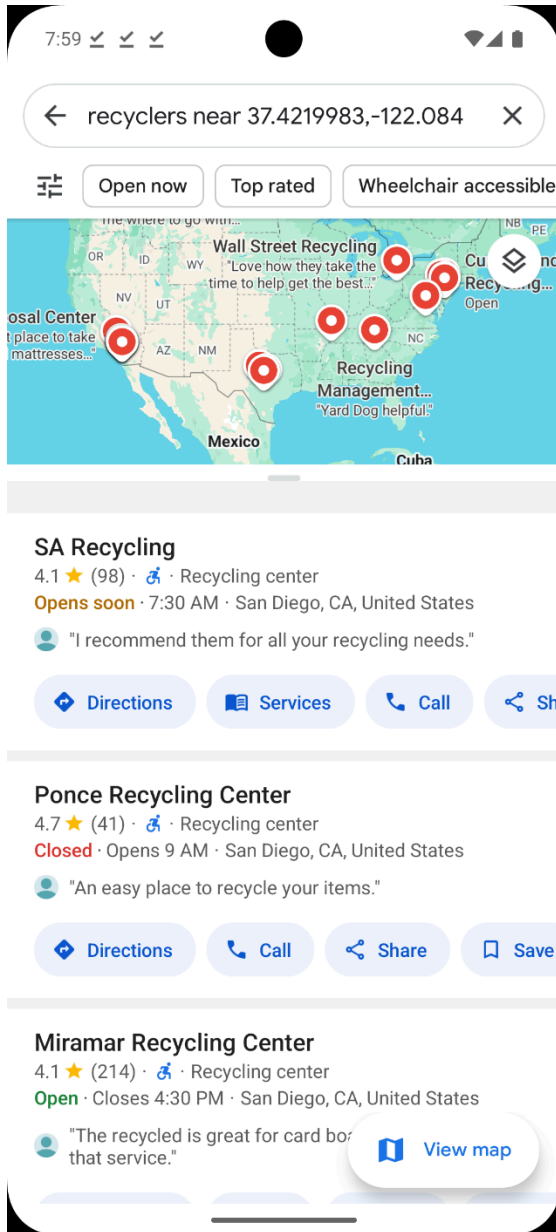
Know your plastics; look for the recycling symbol with numbers (#1–#7). Most programs accept #1 (PET) and...



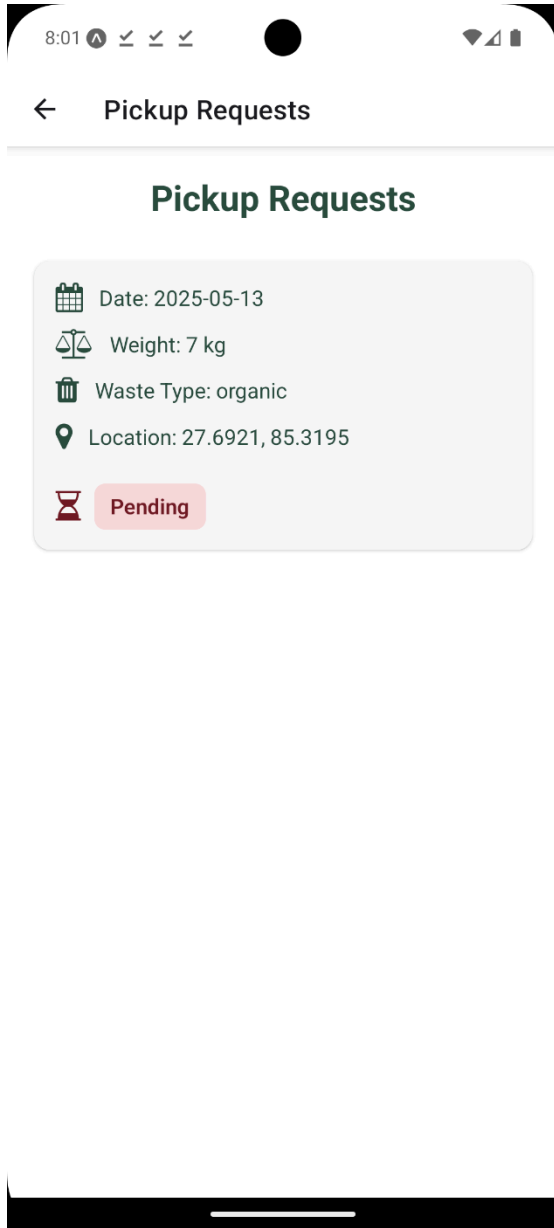
- Now, from the navigation cards on the Home screen, you can quickly access shortcuts for waste scheduling and recycling.
- Click on 'Tips' option to view waste management tips. You can study different management tips here.



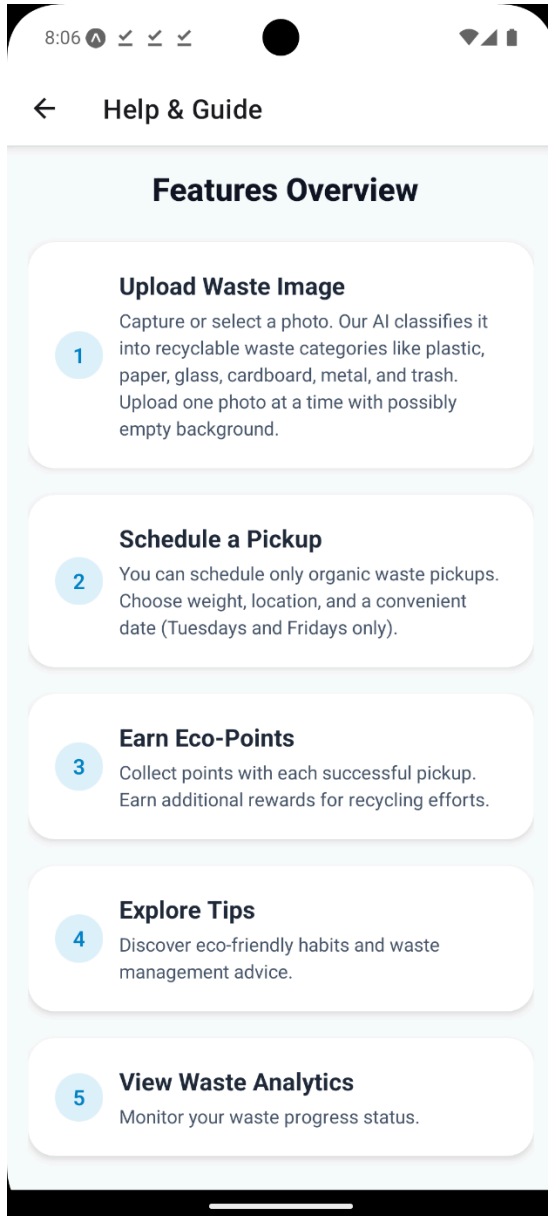
- You can see real-time recyclers near you from 'Recyclers' button.



- On the 'Analytics' screen, you can view a list of your scheduled waste pickups. Each entry displays its status as either pending or picked up, based on the current progress.



- If you face any confusion while using the app, you can use the 'Help' option to get an overview of its features.



Limitation and Error

If the same user schedules waste more than 3 times for that day, an error message pops up saying maximum limitation reached.

Schedule Organic Waste Pickup

Select a Pickup Date

Pick a Date

Selected Date: 2025-05-13

Waste Type

Error

You have already scheduled 3 pickups today.

OK

Select Location

Change location

Selected Location: 27.6921, 85.3195

Request Pickup

❗ Error submitting pickup request: AxiosError: Re... ❌