

EcoSort System

Digital User Experience & User Interface

Main Interactions

Mobile UI

- Take photos of disposables in order to determine correct method of disposal
- Receive reminders about taking out the trash and recycling
- Stay on schedule for trash/recycling collection
- Reference FAQ regarding best recycling practices
- Observe your recycling history and its environmental impact

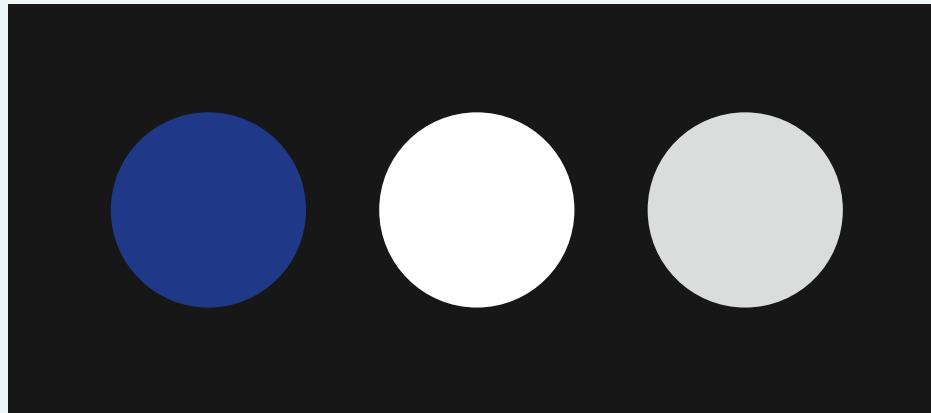
Machine UI

- Provide visual feedback about state of disposal
- Offer information regarding rinsing and proper recycling with step-by-step directions
- Adjust settings of EcoSort machine

User Interface

The user interface of the mobile app and EcoSort machine are intended to be simple and ensure that the user can easily interact with the UI and read and comprehend all information.

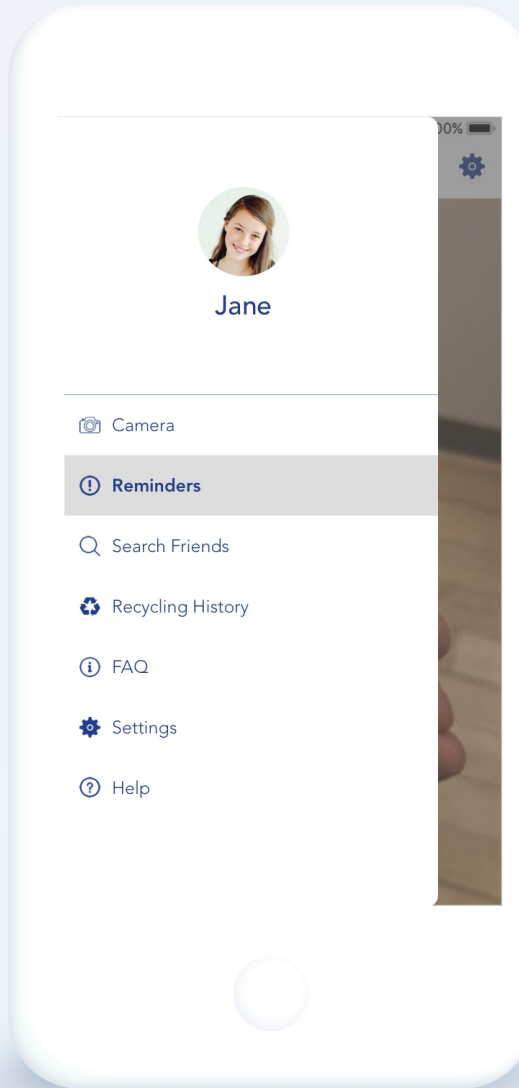
The UI color palette consists of high contrast and low-strain colors - mostly white, some grey, and dark blue. This subtly encapsulates the brand of EcoSort and serves as a visual hierarchy as well.



Mobile

UX/UI

After clicking
“hamburger” menu bar,
you see your profile and
different features you
can explore



Here, Jane taps
'Reminders' ...

User Experience - Mobile

When designing the mobile UX/UI of EcoSort, it was important to have a simple, organized information architecture.

Taking photos of disposables to determine correct method of disposal was the most important task that a user needed to complete using the mobile app. As a result, this served as the 'home' screen and is the first screen the user interacts when opening the application.

We decided to leverage a "hamburger" menu at the top left for important – but secondary – tasks. By using the menu, it keeps the 'home' screen simple and uncrowded and allows for easy and intuitive navigation of the rest of the features. There aren't many key screens to navigate to, and those that you can are neatly tucked away in the 'hamburger' menu and are extremely accessible.

Mockups of the mobile UX/UI – 3 different screen examples - are provided.



9:41 AM

100%



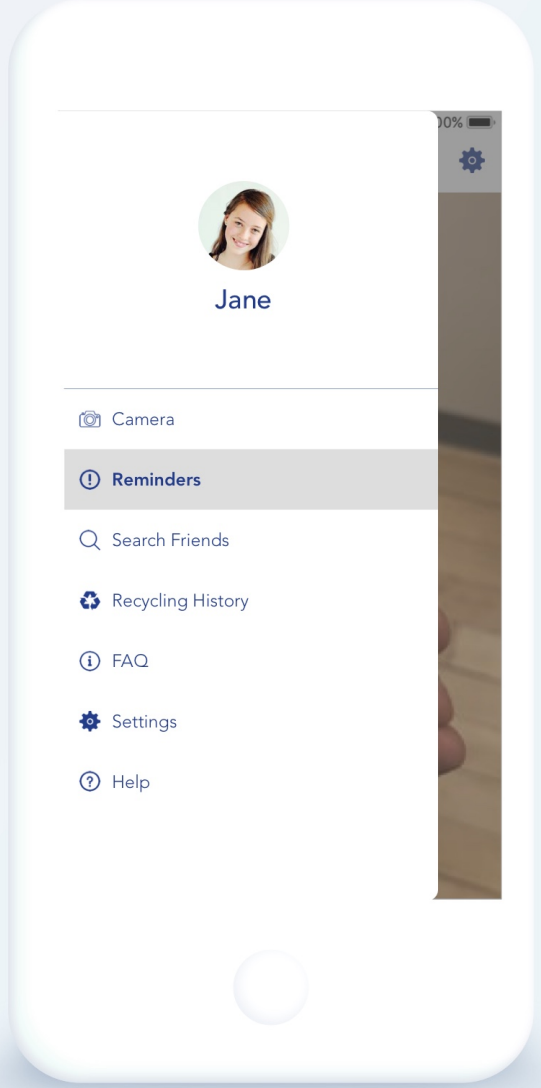
EcoSort



Camera 'home' screen that you approach upon opening the mobile app



Take photos of disposables in order to determine correct method of disposal



Jane

📷 Camera

ℹ️ Reminders

🔍 Search Friends

♻️ Recycling History

ℹ️ FAQ

⚙️ Settings

❓ Help



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Reminders



September

S	M	T	W	T	F	S
29	30	1	2	3	4	5

Today

Monday, Sep 29

Collection Day

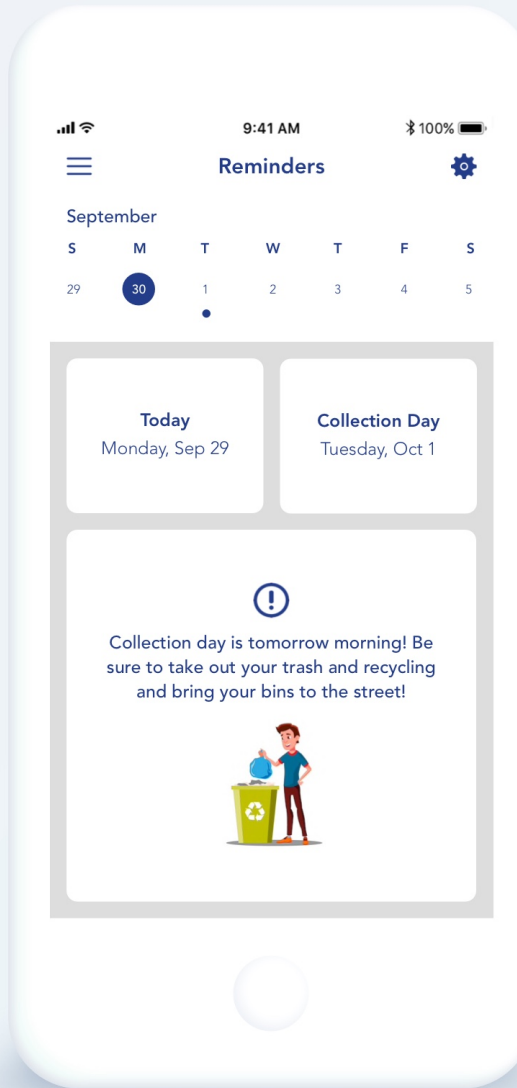
Tuesday, Oct 1



Collection day is tomorrow morning! Be sure to take out your trash and recycling and bring your bins to the street!



'Reminders' screen ensures you stay on schedule with trash/recycling days



In settings, you can set up push notifications to alert you before collection day and sync this calendar with your Apple Calendar

Machine

UX/UI

User Experience - Machine

When designing the machine UX/UI of EcoSort, the main priority was simplicity. Since the majority of the interaction and information collection in this system is concentrated in the mobile app, the machine interface was primarily focused on communication to the user.

While the system and machine are heavily automated, it is crucial for the user to receive visual feedback regarding successful disposal, among other things.

As a result, the main functionalities of the machine UI are informing the user of the state of the system and providing information about any tasks that the user needs to complete on his/her own (with step-by-step directions).

Mockups of the machine UX/UI – 2 different screen examples - are provided. The first screen highlights the machine's ability to provide info with step by step directions, while the second is an example of providing feedback about the state of the system.



Cardboard box is too large for EcoSort Storage Bin

We've noticed that your city requires that boxes be broken down before being recycled. Follow the steps below.

- (1) Please cut and/or fold the **box** as necessary, using the images to the right as a reference
- (2) Place your the **box** - in its **proper recycling form** - behind the **EcoSort Storage Bin**
- (3) Tap to confirm your **box** has been properly stored



Confirm



EcoSort



Success

Plastic Water Bottle Recycled