

PinToBin

Group member

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Problem Statement

There is no centralized or user-friendly service for people to find the nearest recycling bin location for a specific type of recycling.





Our Solution: PinToBin

A community-based app that helps users find the nearest recycling bin or recycling centre. Users can actively participate in our recycling efforts by fact-checking our entries and adding new recycling bin location to the app



Meet Lindsey

Lindsey has a plastic water bottle for recycling. She is not sure where the nearest e-waste bin or recycling centre is. So she picked up PinToBin

Technology




Back-end: Firebase,
MapBox API



Front-end: JQuery,
JavaScript, HTML, CSS

How are we different from other recycling app?



Low
Maintenance,
users help
contribute to
the database

Community-based:
engage community
on a different leve

Easy Access

Additional design feature

- A score system and local superuser badges to encourage participation
- A image recognition function to correctly identify if an item can be recycle and categorize the item
- A malicious content detection algorithm to automatically approve new bins
- Adding more types of bins



Thank you!