

MAD Mini Project Summary

Project Name: UpCycle

Problem Statement:

Many of us want to donate clothes or share school and college supplies we no longer need, but it's not always easy to figure out how. Whether it's finding a thrift store nearby or connecting with someone who could use our old books, the process can feel messy and inconvenient. On the other hand, thrift stores and students often miss out on donations simply because there isn't an easy way to bring everyone together. That's where an app like UpCycle comes in - to make donating simple, meaningful and accessible for everyone.

Description:

UpCycle is a mobile application designed to streamline donations by addressing two primary use cases:

1. Enabling users to donate clothes to thrift stores, similar to how food donations work in charity apps.
2. Providing a platform for users to list school/college books or supplies for donation, where others can ~~connect~~ contact the donors and collect the items directly.

This app is built using the Flutter framework and the app ensures seamless functionality and offers an easy-to-use experience for users to contribute effectively.

Tech Stack used:

- Frontend : Flutter framework
- Backend : Firebase.

Features:

- User Authentication - Simple and secure sign-up and login using Firebase Authentication.
- Clothes Donation - 1) View a list of nearby thrift stores that accept donations.
2) Post items for donation.
- Book and Supplies Donation - 1) A dedicated section to list school/college books and supplies for donation.
2) Users can browse posted items, contact donors directly and arrange pickups.
- Thrift Store Listings - 1) Explore thrift stores with detailed profiles, including their location, donation requirements, and accepted items.

Conclusion:

Uplyde will act as a platform to connect people who want to recycle their clothes with thrift stores, making the process of donating easy and accessible. Additionally, it simplifies donating used school and college supplies by allowing users to list items that juniors or fellow students can easily access.