

Project Specification

PICKERpal

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Github:

<https://github.com/RyanBeebe1/SeniorProjectPICKERpals>

Slack: [JoeCubed.slack.com](https://joeCubed.slack.com)

Project Summary

The purpose of this app is to provide a convenient platform for people that allows them to dispose of unwanted items or waste. This could streamline the process of disposing of unwanted items that normally occurs over Facebook and Craigslist. People can post a listing, picture, and a location where to pick up the waste, along with other attributes such as value, type, and condition. When a person notifies another person of their interest in an item, a messaging system can be used to chat with each other. The two people can then choose a time that is convenient to come pick up the trash.

Project Goals

The main goals of this project are to:

1. Develop a simple, convenient application that streamlines the process of getting rid of unwanted items or waste.
2. Provide a platform for those who participate in trash picking regularly, to further enhance the experience.
3. Create a well-written TOS so the creators of PICKERpal are not liable in the event of any wrongdoing during an encounter.
4. Have an active feed of postings.
5. Dynamic map with pins that signify a listing

Product Features

1. **App:** Cross-platform, Android and iOS app
2. **Login:** We will use a custom login system and have the option to sign up with google accounts.
3. **List Items:** A person can list items that they are looking to get rid of and provide a picture along with other relevant information.
4. **Feed:** By default, new items will appear in a feed as they are listed. One possible way to do this could be to present the items in a stack in a way similar to Tinder and we could put items most relevant to a user based on their history at the top of the stack.
5. **Search:** Users can use a search bar to search for items that they are interested in.

6. **Chat System:** When a user indicates interest in acquiring an item they will be paired up in a chat with the seller. They can then discuss a time that is convenient for the picker to come grab the item
7. **Profiles:** Users will have profiles that will contain features such as listings, findings, history, and ratings.
8. **Database:** Users, listings, and other information will be stored in a database
9. **Report System:** Users will be able to flag other users who are disingenuous with their waste listings or who post with profane images.
10. **Keyword Alert System:** Keyword based alerts for new submissions, so users can be updated as items they desire are listed.

Limitations

Limitations of the project include but are not limited to the following:

1. We cannot guarantee the safety of users who interact with each other or the validity of the offers, only ban users who violate the rules.
2. We cannot guarantee the platform will not be used with malicious intent.
3. We cannot guarantee a listing is real.

Stretch Goals

Additional goals that we may be able to achieve

1. Optimize feed to show targeted items based on user's history utilizing machine learning or some other algorithm
2. Trash pickers can create customizable routes using Google maps, these would then provide information about listings along the route.
3. Ability to manually mark locations with pins.
4. A web interface