Circular App Release Plan

Initial Release 1.0

Release Date:

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High Level Goals:

Users should be able to browse and search for items available for trade in their local area. Users should be able to post a listing for an item they want to trade and include what they may want in exchange.

-User Accounts

-Messaging System

-Post listings

-Search

-Trading system

- prefer meeting time and locations

- user trust rating?

User Stories for Release:

Sprint 1

*(5) As a user, I want a list view of items for barter so I can find out what's available in Santa Cruz. **Must***

*(3) As a person who doesn't want to spend too much time on creating an account, I want to create my account with Google. **Must***

*(5) As someone who wants to give something away, I want to be able to create and post a listing so that other users can make offers. **Must***

(8) *As a user, I want to use a website with an intuitive and aesthetically pleasing design. **Should***

Infrastructure Tasks
-   install everything necessary

Spikes
-   setup the git repository
-   learning React, Node JS, Postgresql, Javascript, Google Accounts API

Sprint 2

(5) I see an item I'm interested in, so I'd like to make an offer of something I have. **Must**

(5) I put an item up, so I want to see current trade offers for items I have available. **Must**

(5) As someone interested in an item, I want to see a detailed view with more pictures, descriptions, and desired trades of the item. **Should**

Infrastructure Tasks
  -
Spikes
  - Learn how to use Google Map APIs and libraries
  - Learn how to create and store data (chat history) into each user

o Sprint 3
Messaging and search

(8) Once someone has made an offer, I want to be able to communicate. barter, and agree to an exchange with them without giving my phone number or email away. **Must**

(3) I want to search by keyword what items are available near me. **Could**

(4) I want to set a preferred location for meeting to exchange an item. **Should**

(5) I want to be notified via email when I get a trade offer for an item. **Could**

Spikes
  - Learn how to send e-mail notifications

o Sprint 4
Meetup locations and map view

(8) I want to search by location radius **Could**

(5) I want to see on a map of where items near me are available to trade for. **Could**

(8) I want to access this website on the internet. **Could**

Minimal Viable Product:
- *Users can create an account and log in*
- *Users can post items they wish to trade and can specify what kind of items they would want in return*
- *Other users can browse items available and send offers of what they want to trade for the item (close)*
- *Users can message each other to coordinate where they conduct the trade (more work)*

Risks
- *Messaging could prove complicated*
- *Most of us are new to some of the tech being used*
- *Uploading images may be challenging*

Product Backlog:

*( ) I want to search by keyword what items are available near me. **Could***
*( ) search by location radius **Could***
*( ) I want to meet with trading partners at safe locations near me. **Could***
*( ) I want to organize swap meet events for exchanges with many people. **Could***
*( ) I want to find out about exchange events near me. **Could***

Project Presentation:

Technologies
 - React(Gonzalo)
 - Postgresql (Kenneth/Gonzalo/Michael/Daniel/Hengtian)
 - Node JS/Express(Gonzalo/Hengtian/Michael(just finished a 1 hour tutorial)
 - Material UI (Gonzalo) components you paste in your code
 - Figma UX/UI (Ian)
 - Java
 - CSS