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