PlumbSwap

Mobile App Design Document
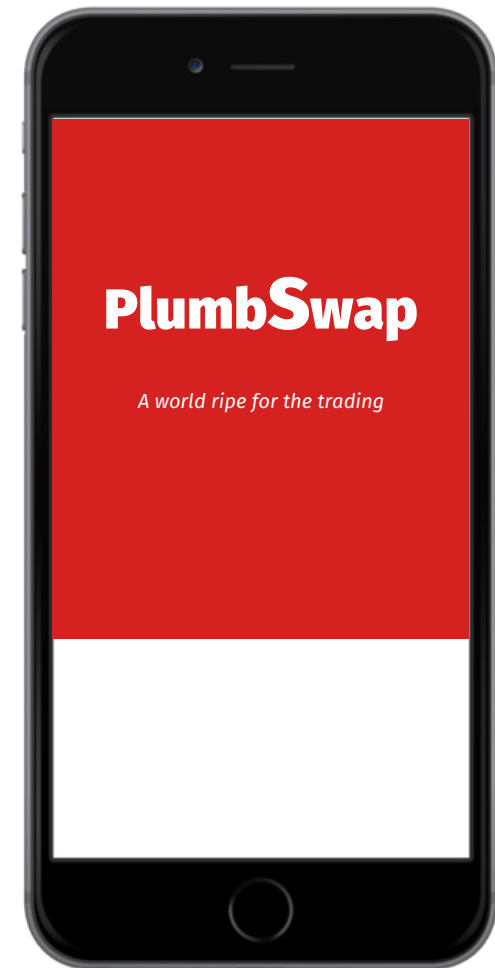

by Will Plumb
DGM 2240

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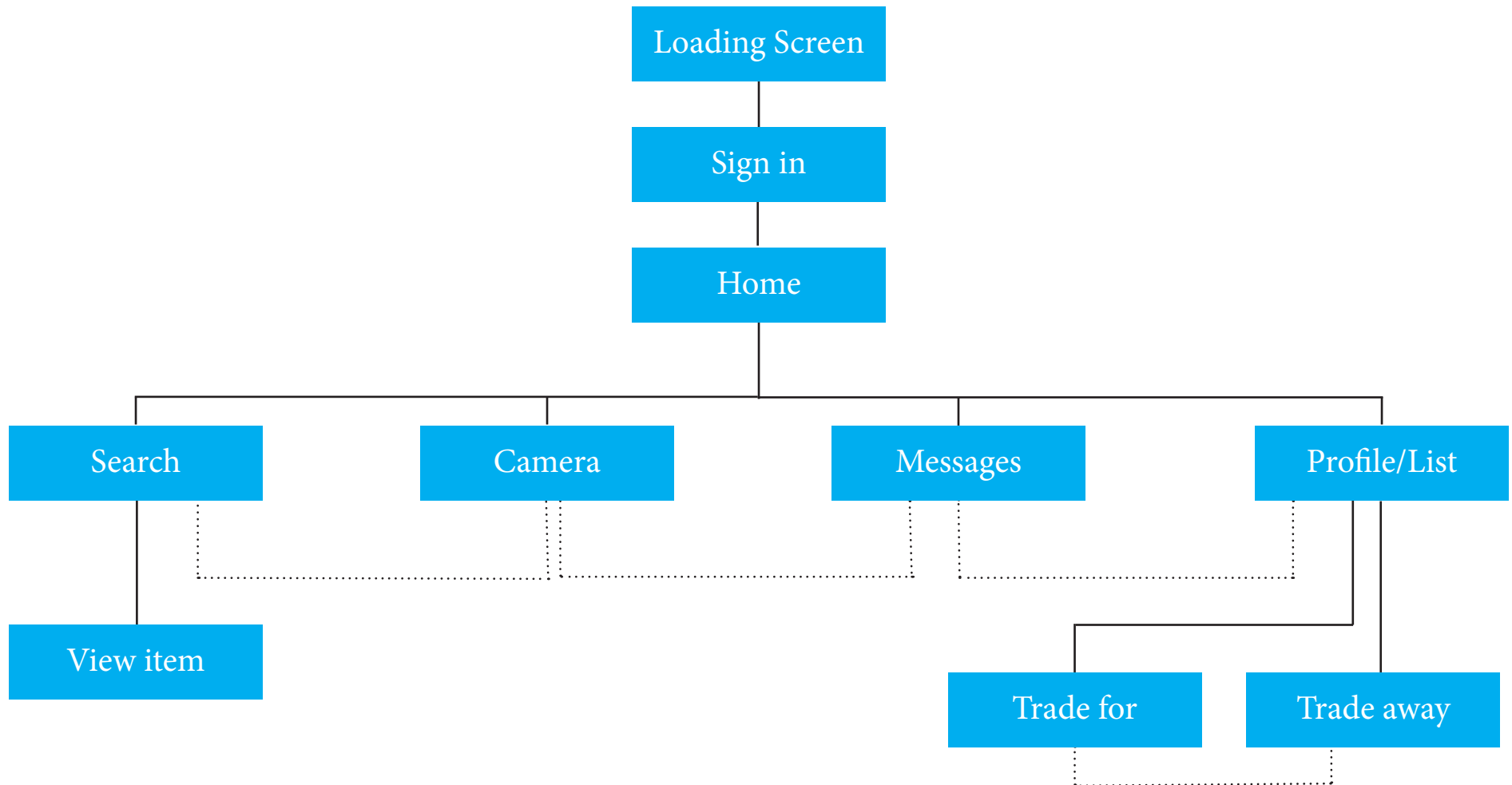
PlumbSwap

A world ripe for the trading

Site Map

```
Loading Screen
      |
   Sign in
      |
    Home
      |
  +----------+----------+----------+----------+
Search      Camera    Messages   Profile/List
  |                                    |
View item                     +--------+--------+
                           Trade for      Trade away
```

Loading Screen

Sign in

Home

Search

Camera

Messages

Profile/List

View item

Trade for

Trade away

Problem/Requirements

There is unused and old junk everywhere. People buy more and more things in this consumerist culture and throw out their old stuff or just leave it lying around in their house where it is wasted. People are also wanting to save their money as much as they can, as the economy is always in flux. People want to save money, but get new stuff, all while leaving their unsused items laying around doing nothing.

PlumbSwap is an app that allows people to take pictures of the stuff they don't want, and put it out in their profile for all to see. From there they can view other people's stuff and if they see something they like they can offer a trade or mark that they want the stuff they see.

App design needs to have:
- Easy sharing of pictures of one's items which are up for trade.
- User profile that allows others to view your stuff and mark whether they want said stuff.
- A chat screen that allows you to chat easily with the person who is interested in trading with you.
- screen for your profile for showing all items in your registry that you want to trade away.
- screen for past trades
-screen for viewing people who are interested in your stuff and how far away they are

Target Users

· ·

The app will be marketed towards people who want to get rid of old stuff but want new stuff without buying it. You could say that most people would fit into this category. However you could also get more specific.

People who live in a designated area/city like Provo or Salt Lake can view stuff according to their surrounding radius, so it is geared to people living within a certain distance of each other and want to trade their stuff.

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Design
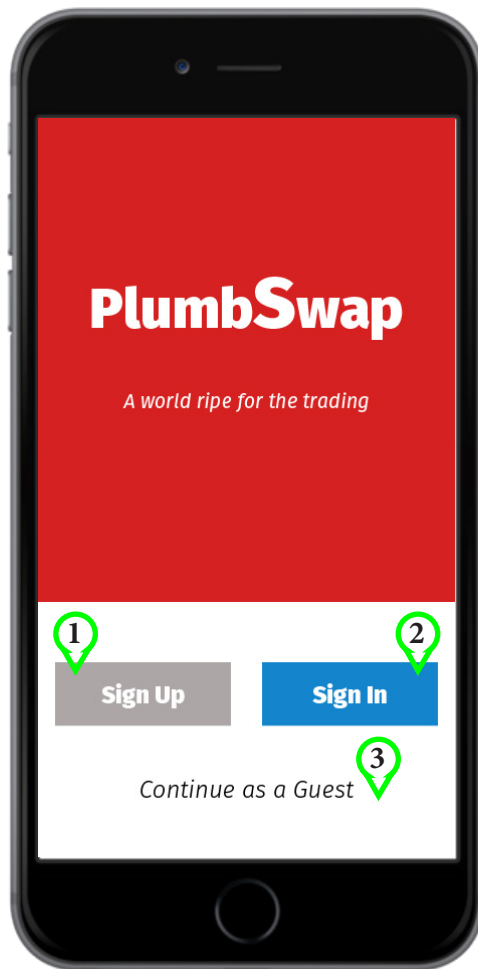
1. Goes to sign in screen

2. Goes to sign up screen

3. Lets you can use the app without an account

4. Changes results/thumbnail size

5. Item thumbnail, pressing brings you to a screen to view the item

6. Checkmark adds the item to your List under your profile

7. This blue button will not show up unless they have no items in their "trading away" screen.
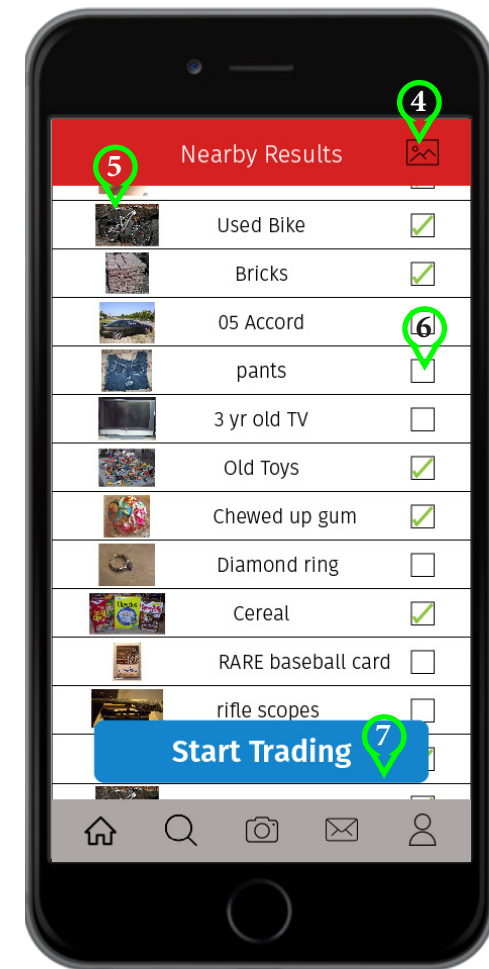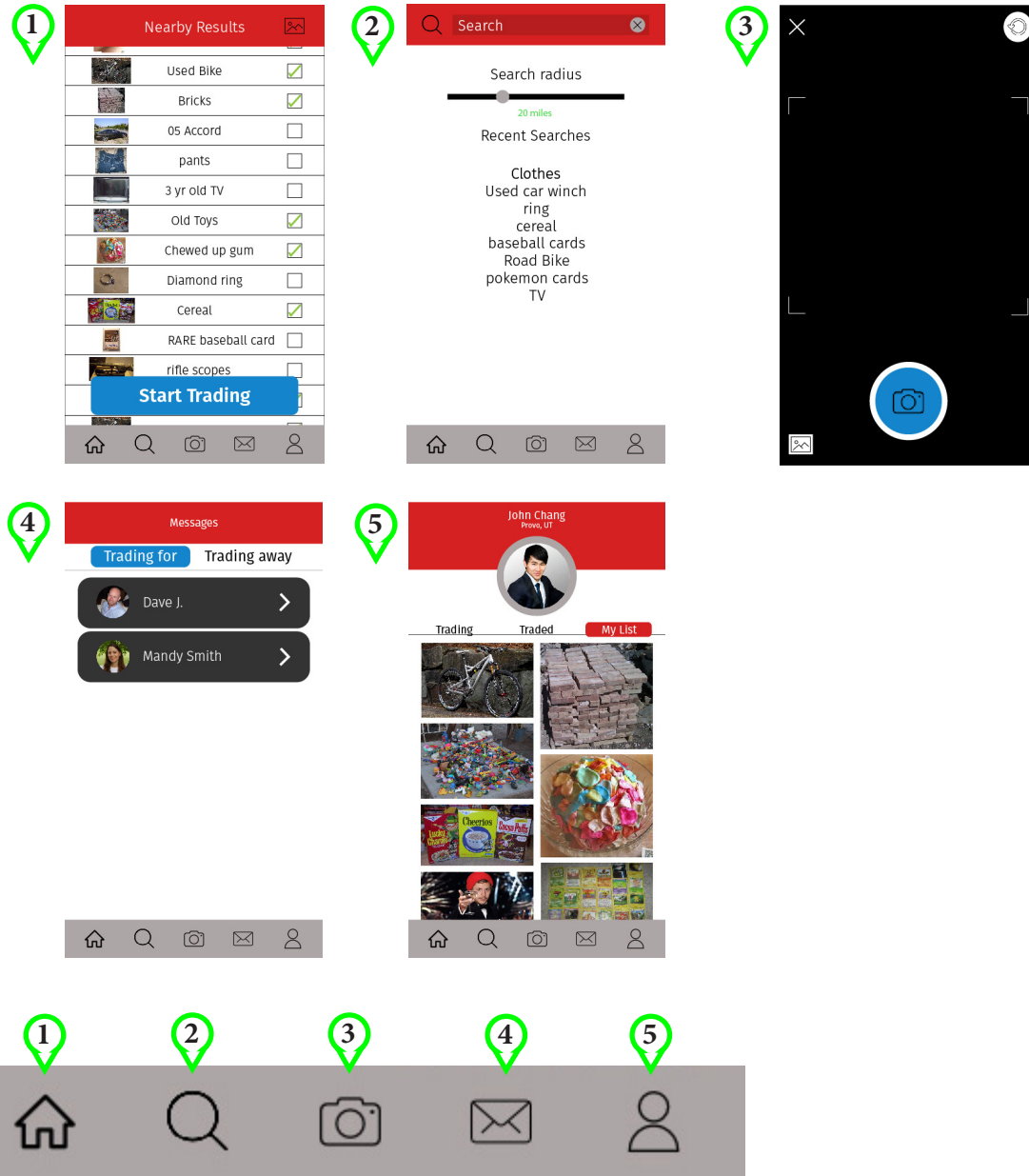
Design

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1.Close camera

2. Flip camera sides

3. Camera

4. View images

· ·

Design

1.Home -takes you to the
home feed screen

2.Search -goes to Search screen

3.Camera -opens camera

4.Messages -goes to existing
messages screen

5.Profile -brings up profile
screen

Design

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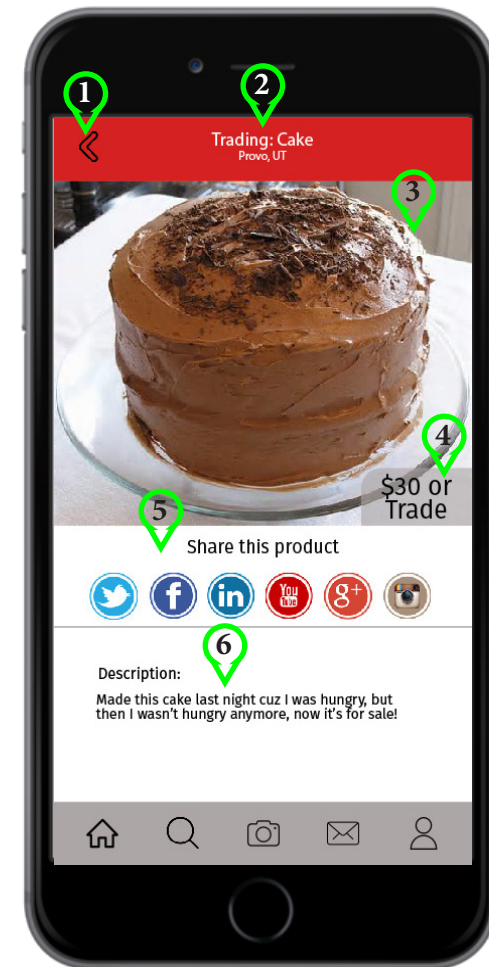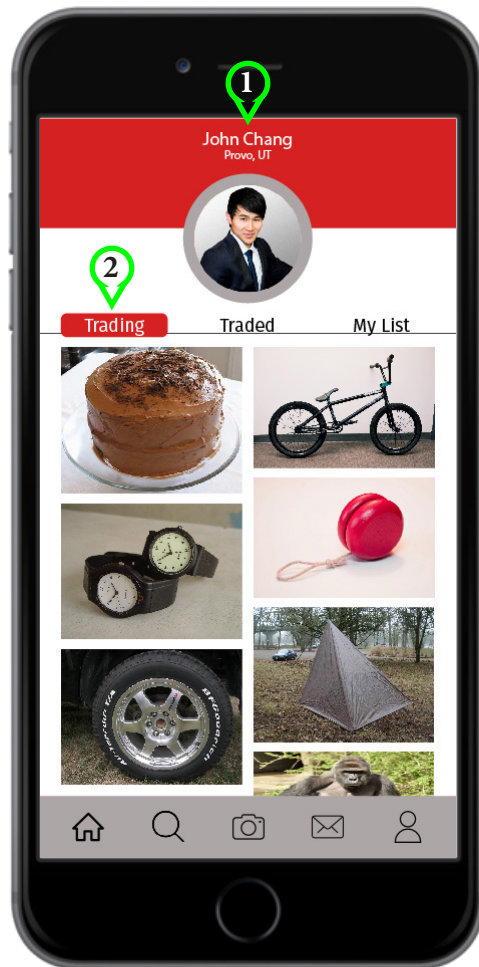
1. Back button

2. Tells you that you are trading
away this item, tells location

3. Your item to be viewed

4. Shows that item is also for sale

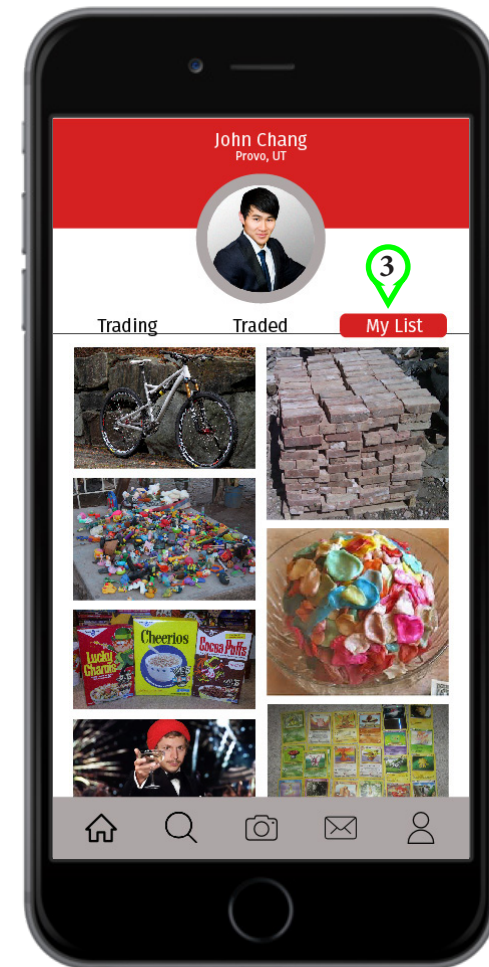5. Tapping here will allow for text
editing of description.

....

Design

1. Shows the name of the person whose items are up for trade, and location.
2. Shows your items that you are offering for trade.
3. Shows your list of things you are interested in that you have saved to view later or to trade for.
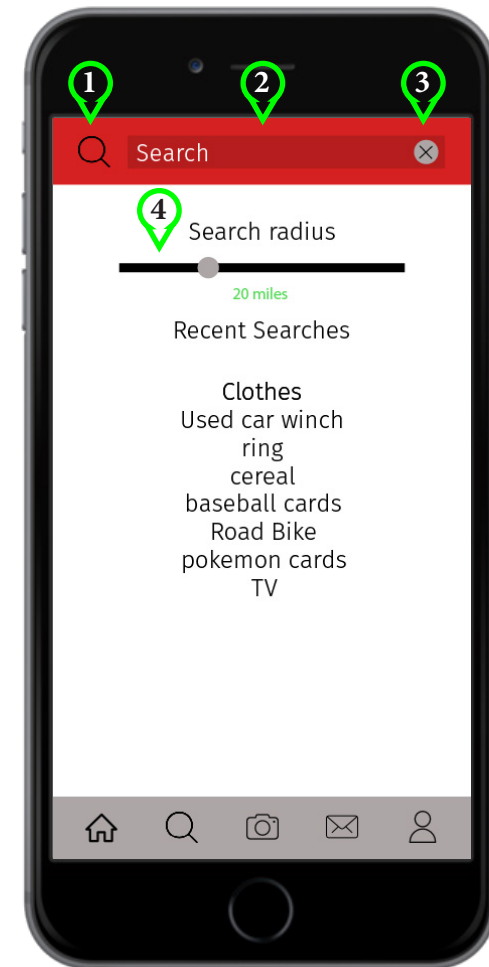
Design

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1. Tapping this search icon allows

you to type into the search bar.

2. Search bar

3. Clear button

4. Adjust your search radius by

sliding the circle.

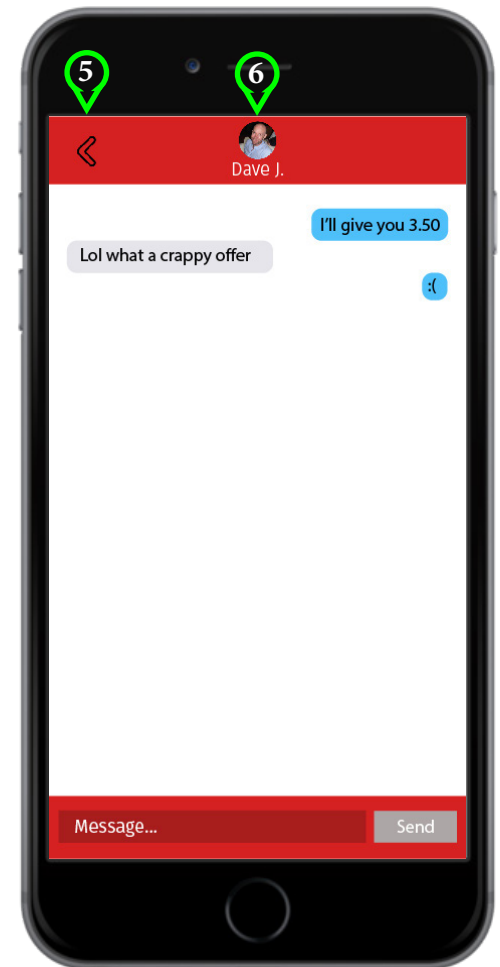•••••••••••••••••••••••••••••••• •

1 **2** **3**

Search

4 Search radius

20 miles

Recent Searches

Clothes
Used car winch
ring
cereal
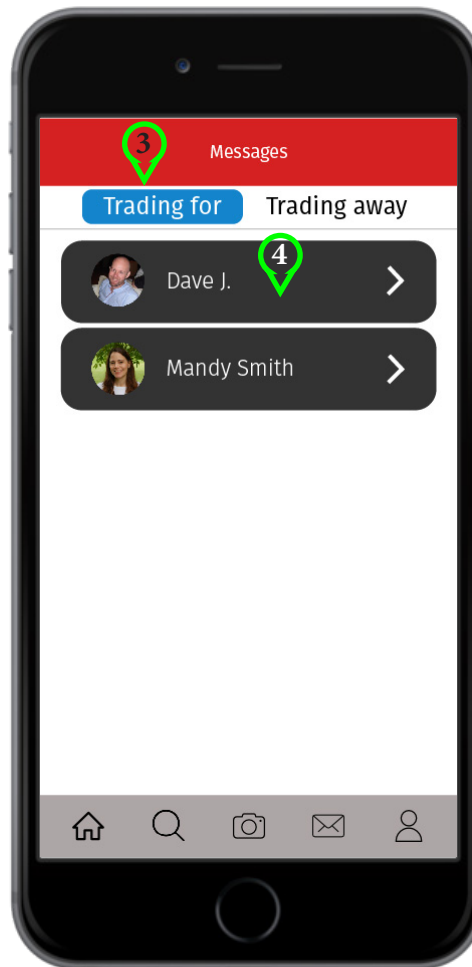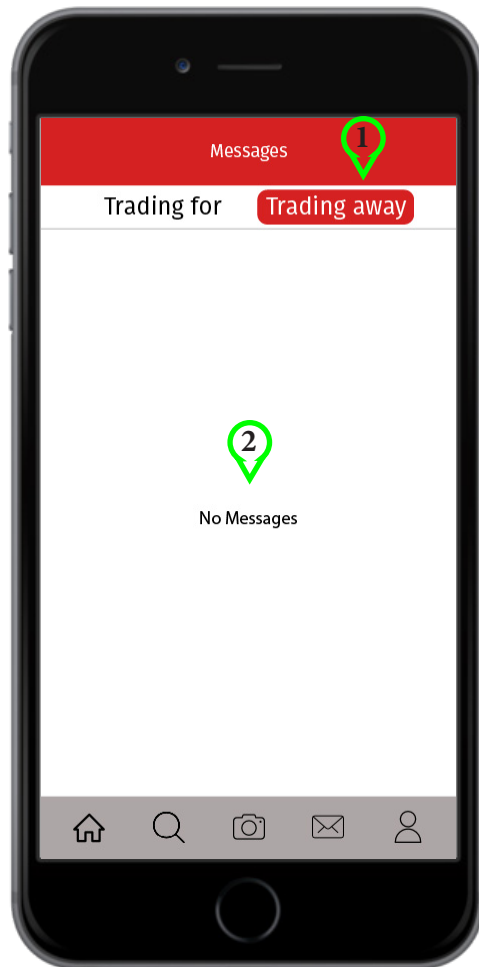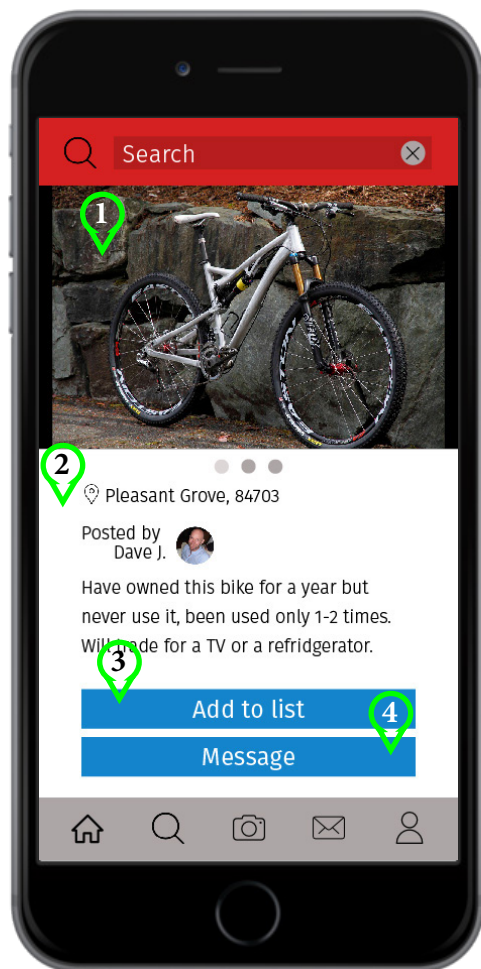baseball cards
Road Bike
pokemon cards
TV

Design

1. Shows that you are on the "trading away" screen.
2. Shows your chats with different people who you are trading with.

3. Shows that you are on the "trading for" screen.
4. An existing chat with a potential trade whose items you desire.

5. Back button
6. Pressing the profile picture will take you to their profile.

Messages

Trading for   **Trading away**

1

2

No Messages

---

3   Messages

Trading for   Trading away

Dave J.   **4**

Mandy Smith

---

5   **6**

Dave J.

I'll give you 3.50

Lol what a crappy offer

:(

Message...   Send

Design

1. "Closer view of item" screen opens whenever you press an item or thumbnail of item. Carousel of posted images of item.

2. Shows sellers info and item description.

3. Tapping allows you to save to your List of things you are interested in.

4. Press to message the person that you want to trade for this item.

5. Shows trader profile pic and location city and state.

6. Press to message.

7. Shows what items he is trading away.

8. Press an item thumbnail to be taken to the screen to the left.
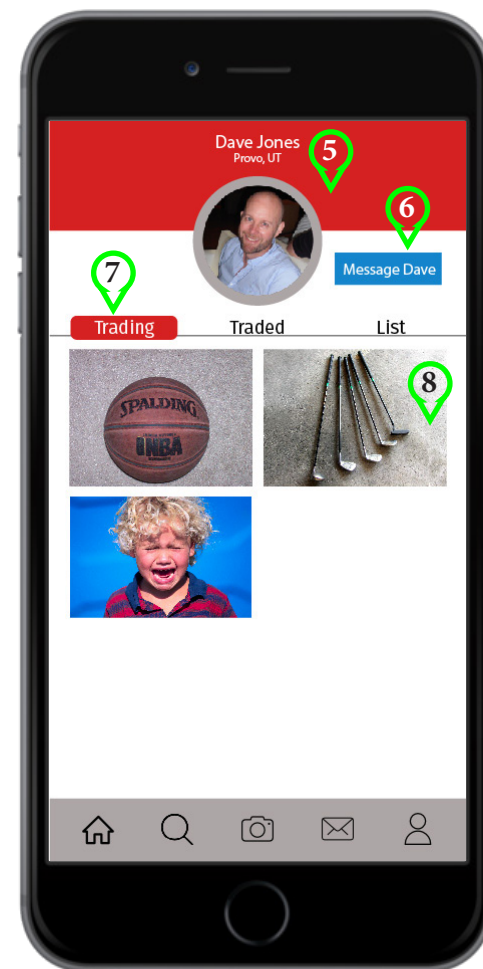
Test

To test the app, I used the Invision prototyping web application. The screens were designed for Iphone 6. I tested 5 people who were interested in trying the app.

Test outline:
1. Questions
       1.a. Do you like the idea of trading stuff instead of buying?
       1.b. Do you have lots of old stuff you want to get rid of?
       1.c. Do you find yourself spending too much money on food or buying stuff on Amazon.com?
1.1 Conditions
       1.1.a. If the person responds positively on all three above questions they will take the test.
2. Data
       2.a. I will keep track of how long it takes the user to log in, put an item up for trade, then message someone about an item they are interested in.
       2.b. I will keep track of how long it takes the user to log in and find another user profile to view.

3. Tasks
       3.a. Log in and take a picture of an item.
       3.b. From there, find an item on the home feed you want to look at.
       3.c. Put the item in your list.
   3.d. Find another user profile to view and send them a message.

Test Results

Everyone finished the tasks in a decent amount of time. The bottom navigation was simple enough that people were able to rely on it to get around pretty quickly.

Task 1 was simple since they could just log in and pretty quickly find the camera button at the bottom in the middle. Task 2 was fairly fast as well because people found it easier the way it was worded, "find an item on the home feed." I suspect it is because the home button is on the very bottom left and easy to spot.

Task 3 was really easy because the "add to list" button is on the same page in bright blue as the page they were on. Task 4 was the hardest, Some found it disorienting at first but quickly found Dave's profile. Some confusion was there because they weren't clearly understanding that the profile of John Chang was their own profile, I should have put it blank and labeled it as "My Profile" or "Your Profile".

Time to Complete each Task in Seconds

| | Task 1 | Task 2 | Task 3 | Task 4 |
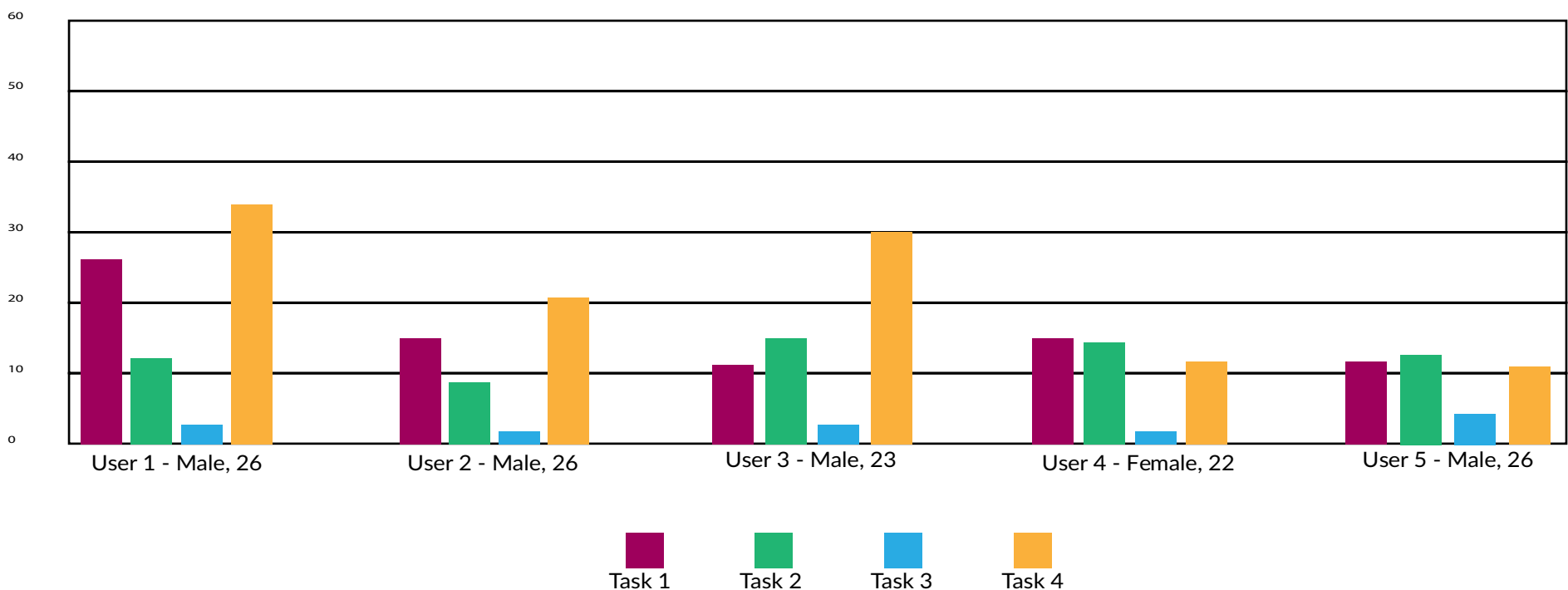
Recommendations

Some suggestions from users include making the pictures on the home feed more polished looking, they look kind of unpolished. The home feed could be done better and be more legitimate looking. On the page with the cake for trade, you can't tell if it's yours you are trading away or someone else's. Apparently the app has a slightly older feel from apps several years ago.

Also the app wasn't very clear on the List and how it was used. I need to be more clear about what it is for and how it works.

It was also suggested that I add more to the user profile page with more features like a zoom option on the profile pic or info about the person, however I thought this was already too common and is already taken care of with facebook and linkedin etc.

Overall I think the app has promise and it got good feed-back from my friends I tested. I think it would be wise to polish the app up slightly and make it look more modern. All things said, I think the app and its idea are pretty solid.