Group 5 Project Proposal

<u>Topic</u>

Our application will be an online classified ad posting service, similar to Kijiji and Craigslist. Anyone who is looking to sell their possession to someone and anyone who is looking to buy from someone else will find this application useful. Both sellers and buyers will have control over the conditions under which a transaction will take place, such as pricing and meeting place. Our data will include listing objects (including information such as date, description, price etc.) and user objects (including information relevant to profile and respective listings). In our application, admins are able to delete users and listings.

<u>User Interactions</u>
- For a person to sell or buy something, he/she must first sign up for a user account. If they already have one, they must login.
    - User object created when someone signs up.
    - Use of form validation or third party account when signing up.
    - Use of form validation or third party account when logging in.
- A user will have the option to create a new ad posting.
    - Posting will include fields such as Username, Title, Price (Fixed, Best Offer, Monetary, Non-monetary), Description, Area, Image, Contact Info. Date, Status (Sold, Pending/On Hold etc.), Quantity etc.
        - Posting/listing object created.
        - Some fields will be optional such as Quantity.
    - Postings can be reported if it is inappropriate or spam.
    - A user is allowed to have multiple postings.
    - Will include a comment section where potential buyers can ask questions about the item.
- A user will have the option to buy.
    - Can use a search bar to to enter keywords.
    - Can contact a seller using a (inbox/instant messaging) service provided by our application (using socket.io)
    - A user's contact information will be available on his/her profile or posting (only available to users, not non-users).
- Any user will have the option to block another user which prevents both users' postings and profile from being visible to each other and disables communication between the two.
- Any user will have option to report another user which may result in reported user being deleted, banned etc.
- A user will have a profile.
    - Will include all of the user's ad postings.
    - Will include a profile picture, user description etc.
    - Will include option to message user (using socket.io)
- An admin account will be allowed to handle reports made by users.

- Once a report has been resolved by an admin, a message (via inbox/chat or email) will be sent to the users involved in the report.
- If a user has been reported, an admin can delete the user, suspend user activities etc.
- If a listing has been reported, an admin can delete the listing, send a notice to the seller etc.
- Extra features
    - A page suggesting safe meeting places such as police stations
    - Ability to auction off items
    - Tips for buyers and sellers
- Non-users will only be able to look at and search for listings and profiles (excluding email and phone address).
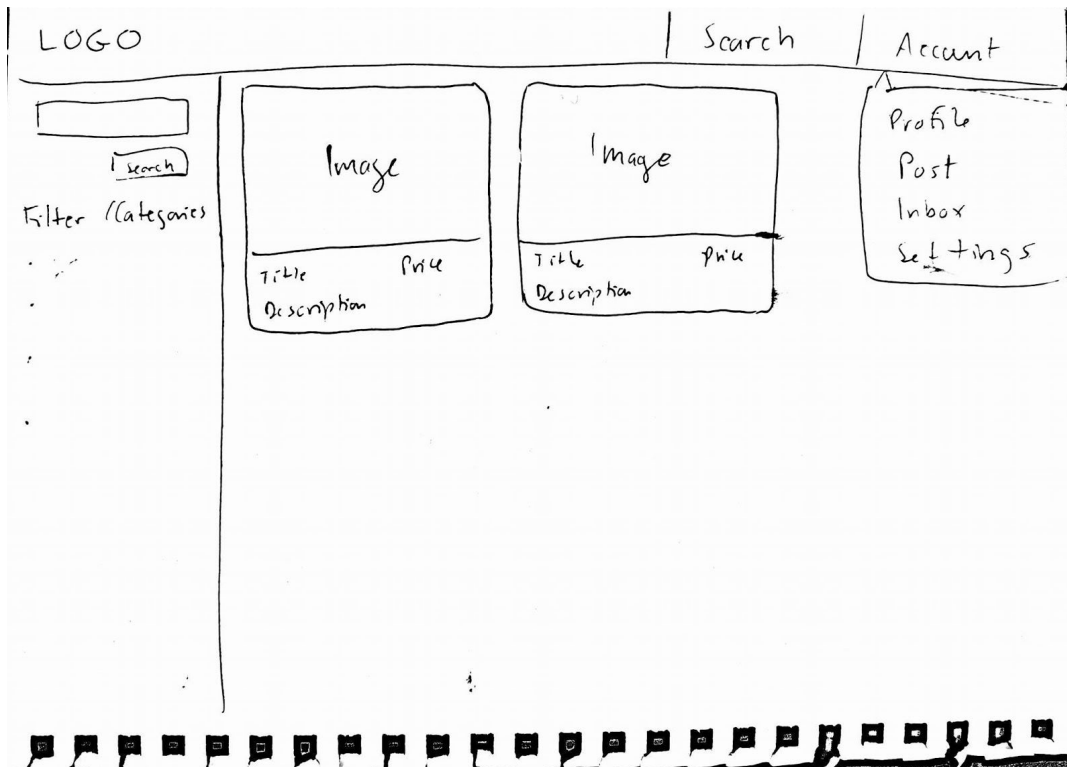
Views

Homepage as a Non-User:

As a user, homepage is the same without the login and signup options.

Search Results:

LOGO | Search | Account

Profile
Post
Inbox
Settings

Search

Filter /Categories

Image

Image

Title   Price
Description

Title   Price
Description

(As a non-user, Account tab in navigation bar is not available)

One Listing:

LOGO | Search | Account

Title

Contact

Phone #:
Email:
Inbox

Date: ————
Price: ————
Stats: ————
Quantity: ————
Description: ————

← ☐ ☐ ☐ ☐ ☐ ☐ →

Comments

☐
user

☐
Seller
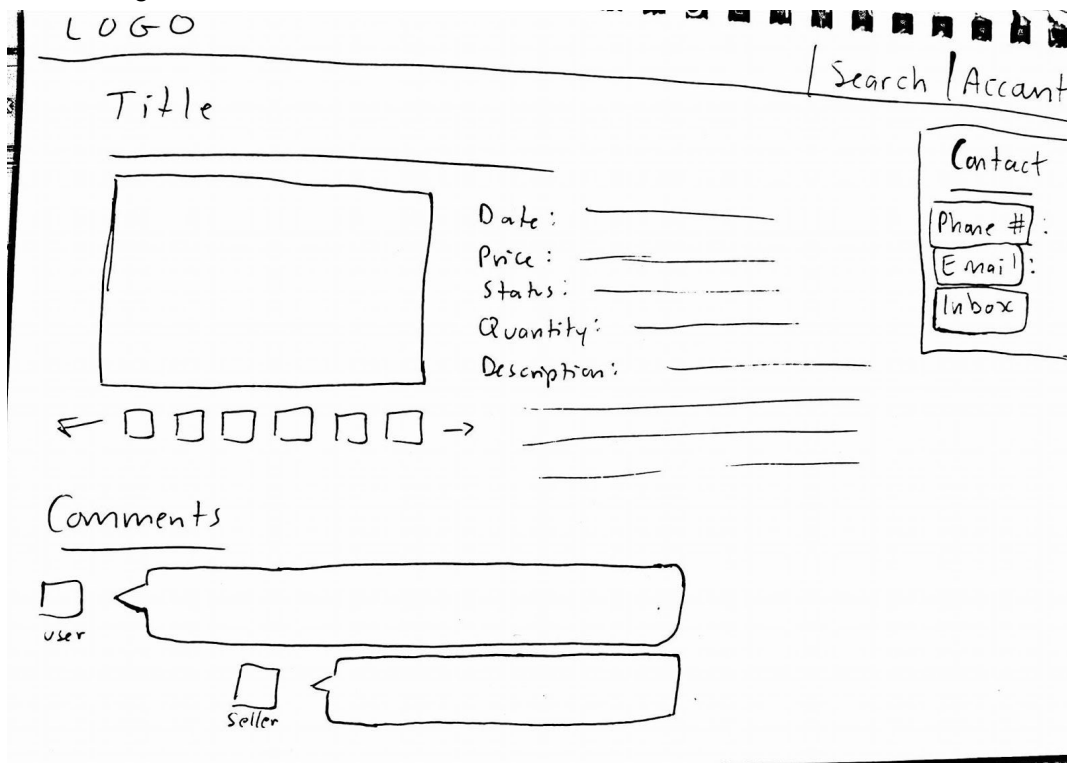
(For non-users, contact options are not available)

User profiles:

LOGO

Search | Accant

username

Image

Description :

Contact Info

Email:
Phone #:
[Inbox]

Listings

[Image] ⎡Title :
⎣Description :

Status :
Price :

[Image] ⎡Title:
⎣Description :

Status :
Price :

[Image] – ⎡Title:
⎣Description :

Status :
Price :

(For non-users, contact options are not available)

Admin Tickets (reports made by users):

LOGO

| Dashboard | Search | Account

Tickets

[Ticket id / username] [Search]

[Tickets]
Users

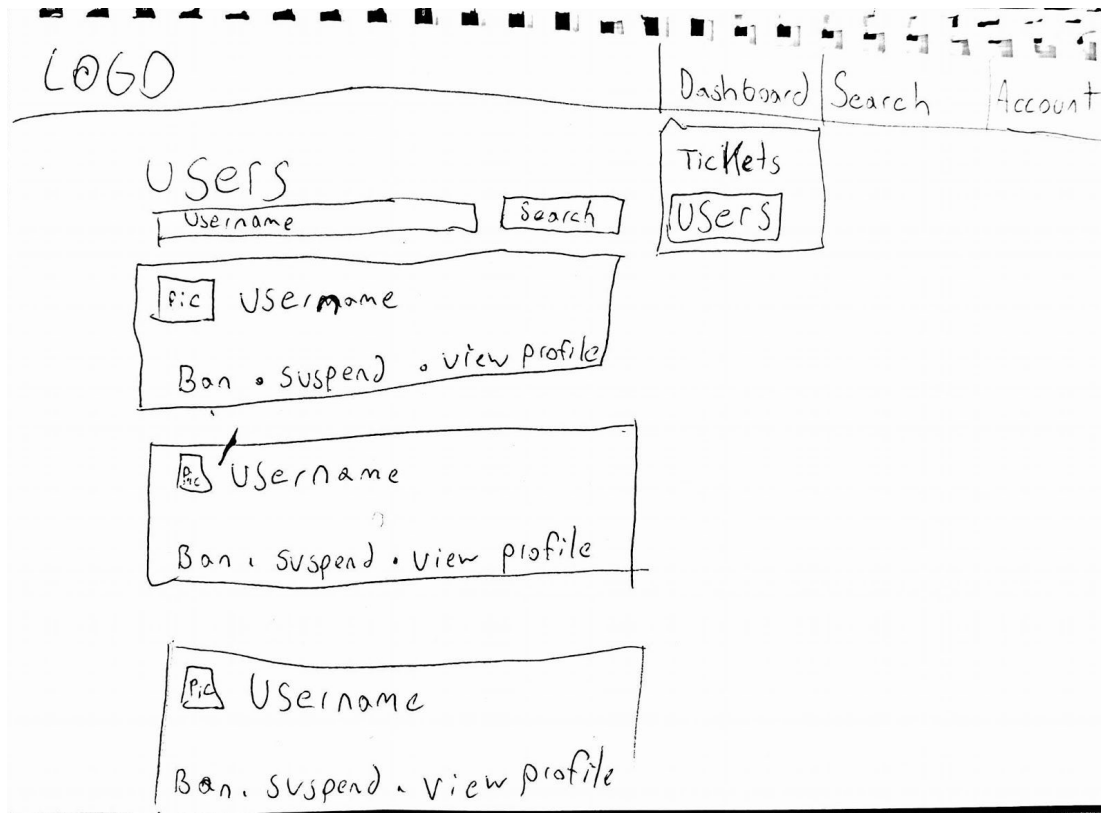id of Ticket • username reported
info
reported by: username

Id of Ticket • Username reported
Info
reported by: username

Id of Ticket • username report.
Info
reported by: username

Admin User Search:

Framework / Library
- Meteor + Angular
  - Link: https://www.meteor.com/
- Database
  - For simplicity, mongoDB is good enough for this project.