



***sturgeons++* | Product Backlog**

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Problem Statement

There is a large population of young people looking for short term paid or volunteer work but there are few centralized sites for them to find such work. Typical job posting sites like Indeed, Snagajob, and Glassdoor are catered towards individuals looking for long term work and often involve jobs requiring resumes and experience. On the other extreme, there are sites like Craigslist that allow for more flexible job postings, but the anonymity and lack of UI design make sites like this hard to trust.

Our project aims to provide a website that will serve as a hub for young people to find odd jobs and volunteer work. We will improve on the current job search engines in three ways: first by formatting each job posting as a one-time work or volunteer event, second by allowing our users to rate their experience after each job is completed so that future users can be selective about who they hire or work for, and third by giving students the option to register their school email which will provide an extra level of trust.

Background Information

Problem and Domain

A respected website for people looking for temporary jobs is nonexistent. That is why we decided to make a website where volunteer organizations and employers can find workers and vice versa.

Targeted Users

Our target users are young people (mainly students) who are looking to make money by taking on unskilled short-term work and students who are looking for volunteer events to partake in. Our platform will also target adults who need small tasks done for them, and organizations who are recruiting volunteers for their events.

Similar apps and Limitations

There are plenty of general job search sites such as LinkedIn, Indeed, Snagajob, and Glassdoor. These sites don't allow for one-time work events, and the job ads are posted by companies looking to hire employees on a longer-term scale. There are also job-specific sites like Sittercity and Petsitter, which cater to one-time events but limit the type of work posted to babysitting and dog-sitting. Sites like

Craigslist allow more freedom in the type of job ad posted, but both the anonymity of the postings and the lack of UI design make this site untrustworthy.

How we will address those limitations

We will design an improved product by taking the best parts of the existing services and placing them into a single hub while also adding measures to foster trust between our users. We will adapt the job posting format of these sites but limit these postings to be one-time events and allow both volunteer and paid events to be posted. We will require users to make personalized accounts in order to post and respond to events, as well as allowing students to register with a school email, both of which will make our site more trustworthy than sites like Craigslist. Lastly, we will enable two additional features to ensure users can trust their interactions. The first will be allowing messaging between the two users once both parties have consented to event participation, and the second will be allowing both users to rate each other after an event has taken place. In this way each user will have a cumulative rating based on past interactions.

Functional Requirements

Account

As a user, I would like to be able to specify that I am looking for work to be done, so that when I login I can see employee profiles in my area.

As a user, I would like to be able to create an account specifying my city and what type of work I am looking for, so that I can log in and be shown jobs specific to my needs.

As a user, I would like to be able to reset my password and see a temporary password by email so that I am still able to log in in the case that I forget my password.

As a user, I would like to be able to update my password so that I can replace an old password that I have forgotten.

As a user, I would like to be able to update my email so that I can receive emails for any email address I specify.

As a user, I would like to be able to update my location so that my location will be relevant even if I move to another location.

As a user, I would like to be able to upload a portrait of myself and view portraits of other users when searching jobs so that I can see who I will be working with.

As a user, I would like to be able to add and delete job types to my profile so that other users can see that I am skilled or knowledgeable in a certain job type.

Posting

As a user, I would like to be able to post multiple job listings or volunteer work so that other users can view them.

As a user, I would like to be able to specify the pay range for any of my job listings including no pay or volunteer work so that other users can search for my jobs by pay range.

As a user, I would like to be able to specify the job type for any of my job listings such as lawnmowing, snow shoveling, dog walking, pet-sitting, baby-sitting, cleaning, moving, and others so that other users can search for my jobs by job type.

As a user, I would like to be able to specify the general location for any of my job listings so that other users can search for my jobs by location.

As a user, I would like to be able to specify the date and time for any of my job listings so that other users can search for my jobs by date and time.

As a user, I would like to be able to view all my job listings so that I can check if other users are interested in a certain job post.

As a user, I would like to be notified by email if a job seeker has shown interest in my event so that I can either accept or decline the request.

Searching

As a user, I would like my default page to show job postings within a 10 mile radius of my city so that I can immediately look for nearby opportunities.

As a user, I would like to narrow my search in order to show listings based on distance.

As a user, I would like to narrow my search in order to show listings based on job category.

As a user, I would like to narrow my search in order to show listings based on user ratings.

Messaging

As a user, I would like to be able to message users after I am paired with them for a job event so that I can discuss details of the work and get to know them.

As a user, I would like the messaging to be open for a week after the event occurred, so that I can still message them in case I need to talk to them after the event occurred.

Rating

As a user, I would like to be able to place a review on my clients after a finished job, so that my feedback can help other users.

As a user, I would like to be able to place a review on my job creator after a finished job so that my feedback can help other users.

As a user, I would like to be able to see a job creator's rating before taking a job.

As a user, I would like to be able to see a job seeker's rating before accepting their help.

As a user, I would like to be able to report fishy users, so that other users can work with them with caution.

Verifying

As a user, I would like to be able to login with my school email to have a verified school account.

As a user, I would like to see if a job seeker has a verified school account before accepting their help.

Non-Functional Requirements

Security

Security is essential as we will be storing sensitive information like addresses and passwords.

Information such as passwords and contact information will be encrypted and hashed. This type of user data will be secure. This security will be accomplished with the Django framework. In addition, users will only be able to access needed information and only be able to do needed functionality.

Response time

To ensure a smooth user experience, our website needs to have anywhere from .1 to 2 seconds response time depending on the current stress.

Scalability

Our website will be able to handle an influx of users to prevent service overloads or crashes during high traffic periods. During the time we host our website locally we will be able to handle up to 250 active users, and further along we can choose to host our website remotely using a service like DigitalOcean in order to accommodate up to 10,000 users.

Usability

The site will be accessible only through browser but be usable in both large and small screens. Our website needs to have a UI where hub and settings are accessible from anywhere on the site. This is to prevent the user from getting lost in the options when they want to access a core part of the website. Users will also have easy access to their account which can always be found in the top right corner. In addition, users will have access to a bar at the top of the screen providing easy access links to all other parts of the website.

In the above ways we will ensure that any new user can familiarize themselves with our site within 5 minutes.

Accuracy

Our website will use users' locational data in order to provide listings that accurately reflect job offers within a quarter of mile. Users can guarantee listings that follow their specified selection whether it be distance, price and/or type of job within a radius of their location.