



Sprint 2 Planning Document

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Sprint Overview

Our goal for this sprint is to implement many of the core features of our application. Now that we have user accounts set up, we can move on to work more on the post system. We aim to implement post creation, post sorting, and a page to allow users to view posts they have created. Also, we will add automatic deletion of inactive posts, an email notification system to notify winning bidders, and the bidding and post completion systems.

Scrum Master: Geoff Hackett

Meeting Plan: Tuesdays and Thursdays in the evening

Risks and Challenges:

Because we are implementing a lot of our core functionality in this sprint, it will be very important to ensure that these systems work correctly. We will need to put more effort into testing and refining these systems. We are also starting to work on the main parts of the app that deal with money, so it will be critical to make sure that the values are stored, retrieved, and displayed accurately.

Current Sprint Detail

User Story 5: As a user, I would like to be able to create a job post, including the description, the current bid, the location, who posted it, and the rating of the user who posted the job.

#	Description	Time	Owner
1	Create a button on the homepage to redirect the user to a page for creating posts.	2 hours	Austin
2	Create a page for creating posts. Page should include a form for all input fields as well as a button to submit. The page should have the same look and feel as the rest of the website.	8 hours	Rishabh
3	Create an endpoint in the server to receive data for a new job posting	4 hours	Geoff

4	Verify that the new post has valid information, with all fields filled out on the server side	6 hours	Geoff
5	Insert new post into the database	2 hour	Geoff
6	Include a preliminary check client-side to make sure all required fields are filled out	1 hour	Rishabh

Acceptance Criteria:

- There is a button on the nav bar that displays a create post page.
- The user can enter the desired information for a post including the title of the post, a description, and a location.
- Once the user creates the post, the post is visible to other users with the correct information displayed.

User Story 7: As a user, I would like to be able to filter jobs by current bid, rating, etc.

#	Description	Time	Owner
1	Add a dropdown menu to the homepage near the postings to select what to sort by.	1 hour	Rishabh
2	Frontend should take the posts data and sort based on which attribute the user selects	10 hours	Rishabh
3	The posts should be redisplayed in sorted order quickly	3 hours	Rishabh
4	Method to sort by current bid amount	5 hours	Rishabh
5	Method to sort by location relative to user's location	10 hours	Rishabh
6	Method to sort by number of bids	4 hours	Rishabh
7	Method to sort by age	3 hours	Rishabh

Acceptance Criteria:

- There is a clearly visible sort menu on the homepage
- The posts are sorted quickly and correctly

User Story 20: As an administrator, I would like any job posting that has had no activity for 30 days to be automatically deleted.

#	Description	Time	Owner
1	Add method to determine age of a post based on its stored creation time	5 hours	Geoff

2	Add a function on the server side to delete all posts older than 30 days	4 hours	Geoff
3	Instruct the server to run this on startup and once every 24 hours	6 hours	Geoff
4	Add a function that is called upon deletion of a post which deletes all corresponding bid table entries	3 hours	Sam

Acceptance Criteria:

- Posts that have been inactive for 30 days are automatically deleted
- Deleted posts should not be visible on either the main page or in the list of posts created by the user.

User Story 8: As a user, I would like to be able to view my current job posts and see all bids and the ratings of the people who place the bids.

#	Description	Time	Owner
1	Create a page for viewing jobs only the user has posted.	6 hours	Austin
2	Create an endpoint in the server that will return all posts for a user who is currently logged in	3 hours	Geoff
3	Create a display for looking at all bidders information along with their bids when looking at a specific post	8 hours	Austin
4	Add link in nav bar to page displaying list of the user's posts.	2 hours	Austin
5	Create endpoint to retrieve ratings for a user	4 hours	Geoff
6	Create method in backend to determine average rating for a user as both task host and task bidder	8 hours	Austin
7	Create method on front-end to clearly display ratings	4 hours	Austin

Acceptance Criteria:

- A button on the nav bar displays a list of posts that have been created by the user.
- The user can view information about the posts
- Upon viewing a post that they have created, a user can see a list of bids and information about the users who placed those bids.

User Story 9: As a user who has posted a job, I would like to be able to end a bid whenever I want, or close it with no winner if I no longer need the job done.

#	Description	Time	Owner
1	Make bids in the postings page selectable	3 hour	Andrew
2	Add list of bids to be displayed to poster in bidding page	4 hours	Andrew
3	Add bidder information to the list of bids	6 hours	Andrew
4	Add a button for choosing a winning bid	2 hours	Andrew
5	Add a button to delete a posted job without choosing a winner	3 hours	Austin
6	Add an endpoint on the server side which deletes a post based on post id.	5 hours	Sam
7	Verify that the endpoint to delete a post is coming from the user (him/her)self or an admin. If not do not delete the post.	3 hours	Sam
8	Add a modal to verify that the user does indeed want to delete the job before deleting it.	2 hours	Austin
9	Add an endpoint on the server side which declares a job winner, based on post id, user id, and winning bid id.	5 hours	Andrew
10	Verify that the values given are valid for the user, post, and bid.	4 hours	Sam
11	Change the status of the Job posting from open to pending.	2 hours	Sam
12	Notify the winning bidder that they have won.	5 hours	Sam
13	Make post private (only viewable to the poster and winning bidder) after the winning bid is selected.	8 hours	Austin

Acceptance Criteria:

- The user who created a post can select bids on that post and see information about the user who placed that bid.
- The user can select a winning bid from the list of bids.
- There is a button that the user who created the post can use to delete the post without selecting a winning bid.
- Deleted posts are no longer displayed in the list of posts created by the user. If the user selected a winning bid, then the post status is changed from open to pending.

- If the user opts to delete a post without selecting a winner, then a confirmation message is displayed.
- If a winning bid is selected, the user who placed the winning bid receives an email notification.
- If a winning bid is selected, the post is no longer viewable by users other than the poster and winning bidder

User Story 11: As a user, I would like to be able to participate in the bidding process for a job.

#	Description	Time	Owner
1	Create a bidding window as part of a post that allows user to enter valid dollar amounts	4 hours	Andrew
2	Create endpoint to store new bids and associate bids with both the user who placed the bid and the post they bid on.	4 hours	Andrew
3	Include metrics about previous bids (such as the high, low, and average bid) in the bidding window	7 hours	Andrew
4	Develop mechanism to display the bidder view of bids instead of the poster view if the user is a bidder	5 hours	Andrew
5	Validate new bids from backend when entered, making sure they were made from an authenticated user, with a valid positive floating point number	5 hours	Sam
6	Insert new bids into database after validation	3 hours	Sam

Acceptance Criteria:

- When viewing a post they did not create, the user is able to enter a valid dollar amount and place a bid.
- The bid must be lower than any bid that same user previously placed on the post.
- Users who are bidders on a post can see general information about previous bids
- Bidders and posters both see the appropriate bids page

User Story 13: As a user, I would like to be notified if I have won the bid for a job.

#	Description	Time	Owner
1	When a post is closed and the winning bid selected, the user who posted the winning bid will receive an email through the notification system.	4 hours	Sam
2	Create a message to be sent to the user that includes the bid amount, information about the post and contact information for the user who created the post.	3 hours	Geoff

Acceptance Criteria:

- When a winning bid is selected, the user who placed the winning bid receives an email notification.
- The email notification contains information about the bid amount and the post including contact information for the user who created the post.

User Story 21: As a user, I would like to receive notifications via email.

#	Description	Time	Owner
1	Add the nodemailer dependency to our project	1 hour	Sam
2	Set up an email account for the node-mailer to send the emails from	2 hours	Sam
3	Add a function to send an email given email address and message to send.	4 hours	Sam
4	Create standard messages to send for various types of notifications, where only username's etc will have to be replaced.	4 hours	Geoff

Acceptance Criteria:

- The user receives automated notifications via email at certain points.
- The email notifications are sent to the current email of the user (instead of any previous email address they may have entered).

Backlog

Job Postings:

Number	Description
10	As a user, I would like to be able to track a job posting. (If time permits)

Bidding:

Number	Description
12	As a user, I would like to perform a transaction, or pay another user for completing a task.

Reporting Users:

Number	Description
14	As a user I would like to be able to report a user for not completing a job as specified or not

	showing up.
15	As a user I would like to be notified if a report is submitted against me.

Ratings:

Number	Description
16	As a user, I would like to submit a review for another user based on their performance of a job.
17	As a user I would like to be able to view my ratings for posting jobs and for completing jobs.
18	As a user who completed a job for someone, I would like to be able to submit a review for the job poster.

Administrator:

Number	Description
19	As an administrator, I would like to ban or manage users within our system.

Summary

Name	Hours
Geoff	41
Sam	41
Rishabh	45
Andrew	40
Austin	37