



Sprint 2 Retrospective Document

Team 24

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What went well?

In general, the team successfully implemented the core listing mechanism for the project and sort functionality. We implemented general sorting and filtering by time, category, and price. We also managed to build user profiles, automatic email communication, and various editing and marking techniques for listings. This all went well and worked hand in hand with our easy to use and simple UI.

User Story #1

As a user, I would like to be able to recover my password in the event it is lost

#	Description	Estimated Time	Owner
1	Create page to display fields for password recovery	2 Hrs	Conley
2	Create page to edit password recovery from email link	2 Hrs	Conley
3	Validate submitted fields	3 Hrs	Giorgi
4	Send email to the given purdue.edu email	3 Hrs	Mihir
5	Ensure validation link directs user to a page where they are prompted to enter a new password	3 Hrs	Mihir
6	Test that the validation code is successfully delivered to the user's email address, and password is able	2 Hrs	Sakshi

Completed:

Registered users who have confirmed their email can recover/change their password through the email they registered with. Users with invalid emails or unconfirmed accounts are unable to do so.

User Story #2

As a user, I would like to be able to view other users' profiles

#	Description	Estimated Time	Owner
1	Create UI panel to display link to other user's profile via a listing	2 Hrs	Conley
2	Create profile page that will be filled with any given users profile details	2 Hrs (each)	Sakshi Conley
3	Create link on listings that redirects to the seller's profile page	2 Hrs	Conley
4	Testing of session variables and redirection	2 Hrs	Mihir

Completed:

Registered users who are able to log into their accounts are now able to see other users' profiles, who are also confirmed as legitimate users.

User Story #3

As a buyer, I would like to be able to view listings for items

#	Description	Estimated Time	Owner
1	Create UI interface for listing containers and associated functionalities (creating market.html - very large chunk)	5 Hrs	Conley
2	Fetch the listings from the database and handle it with PHP.	4 Hrs	Giorgi
3	Recursively print the items on market page sorted by time as a default	2 Hrs	Mihir
4	Test correctness of fetching and outputting	4 Hrs	Sakshi

Completed:

Registered users who are able to log into their accounts are now able to see listings on the main market page that is sorted by time as default.

User Story #4

As a buyer, I would like to be able to sort items by category

#	Description	Estimated Time	Owner
1	Create UI panel to add filtering tags	3 Hrs	Conley
2	Create Button to search with filters tags	2 Hrs	Conley
3	Retrieve items from DB which match the filter's tags	3 Hrs	Mihir
4	Functional Testing of category filter tags	2 Hr	Sakshi

Completed:

Registered users who are able to log into their accounts are now able to see listings on the main market and are able to sort by 5 different categories.

User Story #5

As a buyer, I would like to filter items by price

#	Description	Estimated Time	Owner
1	Create UI panel to display price filter	2 Hrs	Conley
2	Update listings displayed based on selected price interval	2 Hrs	Sakshi
3	Display listings in order of greatest relevance to the selected parameters	3 Hrs	Sakshi
4	Testing of display functionality with different parameters selected	3 Hrs	Nick

Completed:

Registered users who are able to log into their accounts are now able to see listings on the main market and are able to sort by price as min and max values.

User Story #6

As a seller, I would like to be able to edit my listings after they are posted

#	Description	Estimated Time	Owner
1	Create page for editing of user listings	2 Hrs	Conley
2	Page is auto-filled with values in items table in DataBase	2 Hrs	Gigi
3	Retrieve changed values using GET/POST via PHP	2 Hrs	Mihir
4	Validate submitted fields	2 Hrs	Gigi
5	Store the validated fields inside new entries in items table in MySQL database	2 Hrs	Mihir
6	Usability Testing of Edit Listing page	3 Hrs	Nick

Completed

The seller can press the edit listing button on one of their listings. When they do, they are brought to a page similar to the create listing page but all of the fields are already filled out with the data associated with that listing. The seller can then edit those fields and submit the changes.

User Story #7

As a seller, I would like to be able to take down my listings

#	Description	Estimated Time	Owner
1	Create UI panel for taking down already posted listings.	2 Hrs	Conley
2	Add a delete button with a confirmation prompt.	3 Hrs	Nick
3	Take in the specific item from user input and handle it with PHP.	3 Hrs	Giorgi
4	Send a MySQL query to remove the specified item from the items table.	4 Hrs	Giorgi
5	Testing	3 Hrs	Nick

Completed

Listings within the user's My Listing have a delete button that when pressed and confirmed by the user, removes the listing from the market page as well as the database.

User Story #8

As a seller, I would like to be able to remove my items after completing a transaction

#	Description	Estimated Time	Owner
1	Create UI panel for the removal of a post	2 Hrs	Conley
2	Create UI panel to ask the user to confirm their deletion	2 Hrs	Sakshi
3	Delete post from the database	2 Hr	Giorgi
4	Test and ensure post is properly deleted	3 Hr	Nick

Completed

Once a listing has been sold, the buyer can press a button called “mark as sold”. This button causes the listing to be removed from the main market page without deleting the listing entirely. There is also an “unmark” button which will add the listing back to the market page.

User Story #9

As a seller, I would like to be able to communicate with a potential buyer via private email

#	Description	Estimated Time	Owner
1	Once the button is clicked, retrieve emails of both Buyer and Seller from database	2 Hrs	Sakshi
2	Send email to seller with the buyer’s email and listing details	3 Hrs	Mihir
3	Test that the email communication works	2 Hrs	Sakshi

Completed

When a buyer clicks on the contact owner button, they will send an email to the seller from which the seller can then communicate with the buyer.

User Story #10

As a buyer, I would like to be able to communicate with a seller via private email

#	Description	Estimated Time	Owner
1	Create UI button on each post that the buyer can push	2 Hrs	Conley
2	Hide button if user has already clicked it during their session	2 Hrs	Sakshi
3	Testing the hiding functionality	2 Hrs	Giorgi

Completed

On all listings displayed on the market page is a contact owner button. When pressed, it opens up a text box in which the buyer can type and then send an email to the seller which owns the listing.

User Story #11

As a buyer, I would like to know the location of the seller in order to find the most optimal listing

#	Description	Estimated Time	Owner
1	Create UI panel to display the location	2 Hrs	Conley
2	Get the location from the database to display it	2 Hrs	Giorgi
3	Validate that the location has been displayed correctly.	2 Hr	Giorgi

Completed:

Listings seen on the market page display their location.

User Story #12

As a developer, I would like to allow only the authorized users to view or modify their listings.

#	Description	Estimated Time	Owner
1	Implement security on every page except sign-in/register using SESSION variables to allow only logged in users to view or modify them.	3 Hrs	Gigi
2	Check SESSION variables on every page	3 Hrs	Mihir
3	Test authorization for every page	3 Hrs	Giorgi

Completed

If an unauthorized user attempts to access the website by hard typing the URL's such as the main market page, they will have their session variables validated and if they are not valid they will be redirected to the sign in page.

User Story #13

As a user, I would like to solely focus on selling used school products in a local domain.

#	Description	Estimated Time	Owner
1	Ensure that a user may only be able to sign up with a purdue.edu email, essentially restricting MyUniMarket to the greater West Lafayette, IN area	3 Hrs	Nick
2	Ensure appropriate categories that are related to school products are available	3 Hrs	Nick
3	Testing the functionality	2 Hrs	Nick

Completed:

A user attempting to sign up to our website must do so with a valid Purdue email. The website checks the email a user signs up with a purdue email as well as requiring a validation email before allowing the user to enter the site.

What did not go well?

In general, some of the user stories were heavily dependent on the completion status of others. Because of this we cut it very close to the due date for implementing some of the functionality. Even though, we created a timetable and roadmap for step-by-step implementation it still did not go as smoothly as anticipated.

How should we improve?

The main challenge for this sprint was figuring out some techniques for building user profiles and dynamic listing with sorting capabilities. We would consider that this was the hardest sprint just because of the challenge stated above. In the end we managed to successfully implement all the necessary features. We will definitely continue to make creation roadmaps for step-by-step implementation process but we will try to make it more deadline specific and strict, so we do not repeat our mistake that we endured in the final days of this sprint.

Everything else seemed to go well and we faced no problems we couldn't overcome. Our team's communication and version control is very efficient and fruitful. At this stage, all of the members know what they need to do without extensive explanation and most of the time deadlines are met as they were set in the first place. However, sometimes deadlines are compromised due to problems in knowledge and familiarity with technologies. To solve this problem the team members will have to collaborate closely to efficiently incorporate several technologies together to meet the acceptance criteria as well as the deadlines.