Team 10 - MIPPSY

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Sprint Overview

Overview:

Our team is currently in preparations for the beginning of our first sprint. We have assigned team members to two group to delegate roles. One group will be tasked with handling the front end of the project and the other group will be tasked with handling the back end of the project. The very first step to beginning our sprint will be learning the new languages that we will mainly be relying on which are HTML, CSS, PHP and JavaScript.

The two main goals for this sprint are:
1. Set up and implement the server to respond to requests.
2. Build the homepage, along with the login, signup, create posts, and user profile pages.

SCRUM Master:

Kaiyi Chen will coordinate our scrum meetings and sprints.

SCRUM Meeting Time:

We will be having mandatory SCRUM meetings on Tuesdays and Thursdays at 3pm - 4.30pm

Risks/Challenges:

- One of the biggest challenges we are facing with this project is designing the website and implementing JavaScript and using PHP. The HTML and CSS are being handled with the members of the members of the group that are most comfortable with it however, JavaScript is pretty new to most of us. That is why the user interface developers need to overcome the challenge of learning how to implement Javascript into the website. Also, most of us are just learning PHP for the first time for this project so we all have to work together and do our fair share in familiarizing ourselves with PHP.
- We are also taking a risk in developing the website. Because a lot of things that we have decided to implement in this project have not been done by any of us before, we might have to spend a longer time in learning how to implement the more complex functions of our project. This encapsulates also the server side as well. There are a lot of things we are doing for the first time which may cause server-side development to also take longer than expected.
- Another challenge we face for this project is learning how to use git and getting used to it. None of us really have used git before so we all have to familiarize ourselves with git so nothing goes wrong or gets messy.

Current Sprint Detail

User Story: As a user, I want to be able to open the website and access the functions on the website.

Task Description	Estimated Time	Owner
Create the user interface for the main page with buttons and with the scrollable previews of posts for both people and pets.	15 hours	Mark
Implement the action for when the user selects the login button to bring them to the login screen.	1 hour	Aaron
Implement the action for when the user selects the search button to bring them to the search for post page.	1 hour	Aaron
Implement the action for when the user selects the create post button to bring them to the create post page.	1 hour	Kaijun
Implement the action for when the user selects the view post button to bring them to the view post page.	1 hour	Kaijun

Acceptance Criteria: If the user story is implemented successfully, a user should be able to type in our public IP address and view our program with any machine.

User Story: As a user, I would like to be able to register and sign in.

Task Description	Estimated Time	Owner
Implement the action when the user selects the sign up button to bring them to the signup page.	1 hour	Aaron
Create the user interface which displays all user information fields required for the user to fill in.	10 hours	Kean Jye Tan
Implement the action for when the user submits the registration information, the server will check for the validity of the information. If the information is not valid, the server will prompt the user with an error message, retaining all the user input and highlighting the invalid fields in the registration page.	8 hours	Kean Jye Tan
Implement the action for when the user clicks the submit button to login, sends a request to the server that contains user inputs to verify the username and password for when the user is trying to sign-in.	4 hours	Kean Jye Tan
Implement the action for when the username and password do not match, prompting the user with an error message.	4 hours	Kean Jye Tan
If sign-in is successful, redirect the user back to the main page.	2 hours	Kean Jye Tan

Acceptance Criteria: If the user story is implemented, the user will be able to register an account and login to the website and see what posts the user has created thus far.

User Story: As a user, I would like to be able to edit my profile.

Task Description	Estimated Time	Owner
Create UI for the profile page, which holds user's account information	10 hours	Mark
Send request to request for the user account info.	10 hours	Aaron
When clicked the submit button, send request to the database to modify the user information.	10 hours	Aaron
Have the server send message back when the new profile information is edited successfully	10 hours	Aaron
If any information is invalid, prompt the user an error message.	4 hours	Kaijun

Acceptance Criteria: If the user story is implemented successfully, the user will be able to access and modify any information field in his account.

User Story: As a user, I would like to be able to view a post or all posts.

Task Description	Estimated Time	Owner
Create the user interface that displays an updated list of posts to users based on recency.	10 hours	Mark
Redirect the user the the page of a given post when the user clicks on the selected post.	1 hour	Aaron
Create the user interface of the page that contains all the information of a given post.	5 hours	Kaijun
Retrieve post from the database	1 hour	Kaijun
Populate the UI with the posts	1 hour	Kaijun

Acceptance Criteria: If the user story is implemented successfully, the user will be able to view all posts in our database.

User Story: As a user, I would like to be able to create posts.

Task Description	Estimated Time	Owner
Create the user interface that the user will be using to create and submit posts.	11 hours	Kaijun
Verify the general format of the post information.	6 hours	Kaijun
Send the data of the post to the database and store it.	5 hours	Kaijun

Acceptance Criteria:If the user story is implemented successfully, the user will be able to create a post and publish it so everyone that uses the website will be able to view it.

User Story: As a developer, I want to create the database and connect it to our front end.

Task Description	Estimated Time	Owner
Setup the remote server that handles requests sent from the client.	5 hours	Kaiyi
Setup the MySQL database to store all user data and posts.	5 hours	Kaiyi
Setup tables that stores all user data and post data.	10 hours	Kaiyi
Implement a class that handles the connections between the client and the database.	15 hours	Kaiyi
Establish the connection between the homepage and the server.	15 hours	Kean Jye Tan

Acceptance Criteria: If the user story is implemented successfully, the developer will have a functional database and a responsive UI to correspond.

Hours per person:

- Kaijun He: 35 hours
- Mark Yang: 35 hours
- Kaiyi Chen: 35 hours
- Kean Jye Tan: 33 hours
- Aaron Ho: 34 hours

Total estimated time in hours: 170

Remaining Backlog

Functional:

1. As a user, I want to be able to search reports according to the names of the missing person.
2. As a user, I would like to be able to refine the search and narrow down on posts that meet certain criteria(age, gender, location, time of disappearance)
3. As a user, I would like to be able to view and comment to reports without having an account.
4. As a user, I would like to reach out and communicate with other users via private messaging.
5. As a user, I would like to be able to follow threads that have piqued my interest.
6. As a user, I would like to receive timely informative notifications on the threads that I have subscribed to.
7. As a user, I would like the system to keep track on recently-visited threads.
8. As a user, I would like to be able to create threads on multiple different reports.
9. As a user, I want to receive e-mail reports on missing cases around my area.
10. As a user, I want to have the ability to edit the posts I have made.
11. As a user, I would like to have the option to share my posts on various social medias.
12. As a user, I want a upvote/downvote system in the comment section.
13. As a user, I would like to receive feeds based on geographical regions.
14. As a user, I would like to have ready-made templates of reports to ease the process of filing and printing fliers(if time allows).
15. As a developer, I want to be able to classify posts that has been posted for a specific amount of time.
16. As a developer, I want a comment upvote/downvote system to hide comments regarded as spam and emphasize top-rated comments.

17. As a developer, I want to be able to receive feedback from users regarding their posts after a specific amount of time

Non-Functional:

1. As a developer, I would like to have a system to be scalable to handle large amount of concurrent users simultaneously.
2. As a developer, I want to have a secure system to protect the confidentiality of user data and information.
3. As a developer, I would like to have a responsive system to provide a minimal response time to users.
4. As a developer, I want the option to be able to port the application to the Android platform. (if time allows)
5. As a developer, I would like the option to be able to port the application to the iOS platform. (if time allows)
6. As a developer, I would like to have a GPS or IP address system to locate the users' current location.
7. As a user, I want to make sure my private information and data are not accessible to the third parties without my consent.
8. As a user, I would like to be able to use social medias to log into Mippsy.
9. As a user, I would like to have the option to share my posts on various social medias.