

Team building

1. Team Charter

a. Members' role and responsibilities and assigned tasks:

Member's name	Role	Description
Nguyen Minh Phuong	Team Leader, Fullstack	-Manage the team workflow -Code the homepage, sign in, sign up page, and upload post page. -Handle the login and sign up -Do the backend stuffs for the prototype.
Dao Thao Phuong	Web Design and Frontend	-Code the community page, setting, adoption page, admin page. -Managing and double checking all frontend work of all members -Make pages to dark mode.
Pham Trung Nghia	Fullstack	-Code the managing user page, create adoption post page, pet listings page. -Help Dao Thao Phuong with css -Form validation for create post -Add accessibility (aria-label) to pages
Nguyen Hoang Gia Khanh	Fullstack	-Code validation for settings change password and change username -Code the about us page -Edit images for the page -Discovering bugs and formatting code

b. Team communication and weekly team meeting:

- All questions, task planning, and opinions are asked via Messengers. Our group has created our own Messengers to discuss the matters of our project. I have assigned other members' tasks using this platform, and they would reply or give a reaction once they read the task that they are given. Opinions and ideas for the website are also discussed, bugs and issues related to frontend development are issued in the group chat too.

- To support each other during the frontend development, our team often stay after the morning lecture to support each other during the process of coding the pages, this ensures that members with good frontend skill can mentor other members. Also this makes sure the leader can see the team progress and identify member's strength.
- In addition to the time we spent after lecture coding with each other, we often have meetings on Messenger at night to review what we have completed and discuss further about the accessibility and the design of the pages. Any commit on the school repo is alerted in the group chat by the member who committed, this prevents git related problems.
- Our report is documented via Google Documents so each member can easily access and identify errors that were displayed. The final report is organised via Microsoft Words by Nguyen Hoang Gia Khanh. The Word files are also shared between members via a group created in Microsoft Teams.
- In general our team has spent more than 16 hours each week discussing and meeting in person and online to finalise our product.

c. Manage tasks and workflow:

- Our team has planned out the frontend development process, team members are assigned different pages based on their frontend ability and estimate workload in our first week.
- Since Nguyen Minh Phuong will be doing all the login, sign up(passport js), he will be coding the sign in and sign up page for the website he will be coding the homepage and the page which allow users to create posts.
- Dao Thao Phuong as our team head of frontend development is assigned to code the frontend of essential pages such as the community page, adoption page, admin manage post page and user profile pages. Those pages are the most demanding pages, since users will be spending most of their time on those pages.
- Hoang Gia Khanh is focused on the form validation for the function such as changing password and changing username. It is quite essential for us to prevent submitting invalid data from the users from the frontend side even though we have measures to prevent invalid data on the backend side. Gia Khanh also coded the about us page which is used to introduce the purpose and the admin.
- Pham Trung Nghia coded the pet listing page, create adoption post page, and the admin manage user page. Nghia also supported Thao Phuong for some of her pages. Making sure our website is accessible for disabled people is also Nghia's duty. Every pages that were completed is add aria attributes by Nghia Pham.
- In the first week, the team will concentrate on developing the frontend of the pages that users interact with first when they visit the website. This initial

focus ensures that these crucial entry points are user-friendly, visually appealing, and fully functional. By prioritizing these frequently used interfaces, the team aims to create a solid foundation for the project's overall usability and user experience.

- During the second week, the team expanded its efforts to include the development of the remaining pages, focusing on ensuring their interactivity and implementing form validation throughout the website. Additionally, they worked on error prevention for a few key pages to enhance overall user experience and reliability. This phase of development aimed to improve user engagement across all areas of the web platform while ensuring data integrity and user input accuracy through robust form validation mechanisms and proactive error prevention measures.
- In the final week, the team focused on applying the finishing touches and implementing a dark mode for the pages. Additionally, Phuong Nguyen developed the Passport.js login system for the website, enhancing its security and user authentication processes. These final adjustments aimed to polish the user interface and ensure a seamless, visually appealing experience, while also improving the overall functionality and security of the web application.

2. Project plan

a. Project timeline:

- Week 4

Member's name	Task	Start date	Expected Complete date	Complete date
Nguyen Minh Phuong	Coding the homepage	26/4/2024	28/4/2024	28/4/2024
Dao Thao Phuong	Code the responsive vertical navigation bar	27/4/2024	30/4/2024	29/4/2024
Pham Trung Nghia	Learning how to add accessibility.	27/4/2024	28/4/2024	28/4/2024
Hoang Gia Khanh	Design the about us page	27/4/2024	29/4/2024	28/4/2024
Hoang Gia Khanh	Learn how to use aria label	27/4/2024	28/4/2024	28/4/2024

Dao Thao Phuong	Code the community page with basic layout	27/4/2024	30/4/2024	30/4/2024
Pham Trung Nghia	Learning method override in Express	2/5/2024	4/5/2024	3/5/2024
Nguyen Hoang Gia Khanh	Learning method override in Express	2/5/2024	4/5/2024	4/5/2024
Nguyen Minh Phuong	Learning method override in Express	2/5/2024	4/5/2024	3/5/2024
Nguyen Minh Phuong	Learn how to use Multer to upload image	2/5/2024	4/5/2024	3/5/2024
Nguyen Hoang Gia Khanh	Learn how to use Multer to upload image	2/5/2024	4/5/2024	4/5/2024
Pham Trung Nghia	Learn how to use Multer to upload image	2/5/2024	4/5/2024	4/5/2024
Dao Thao Phuong	Try bootstrap modal for post comment	2/5/2024	4/5/2024	4/5/2024
Nguyen Minh Phuong	Create sign up page	3/5/2024	5/5/2024	4/5/2024
Hoang Gia Khanh	Add captcha to Sign up page	2/5/2024	4/5/2024	4/5/2024
Hoang Gia Khanh	Form validation for Sign up	2/5/2024	5/5/2024	5/5/2024
Nguyen Minh Phuong	Form validation for Sign in	3/5/2024	5/5/2024	5/5/2024

-week 5

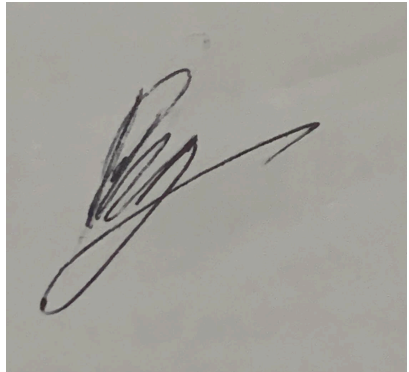
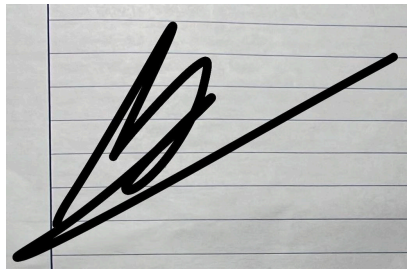
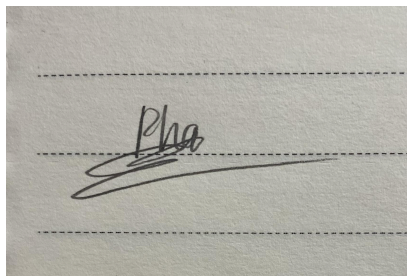
Member's name	Task	Start date	Expected Complete date	Complete date
Dao Thao Phuong	Code pop modal using pure css and javascript for community page	6/5/2024	7/5/2024	7/5/2024

Dao Thao Phuong	Add like function to the community page	7/5/2024	8/5/2024	8/5/2024
Nguyen Minh Phuong	Learn how to code drag and drop file using css and javascript	6/5/2024	8/5/2024	8/5/2024
Nguyen Hoang Gia Khanh	Edit svg image for adoption page	6/5/2024	6/5/2024	6/5/2024
Dao Thao Phuong	Complete community page	8/5/2024	11/5/2024	11/5/2024
Nguyen Minh Phuong	Complete the create post page	6/5/2024	8/5/2024	8/5/2024
Pham Trung Nghia	Complete create adoption post	8/5/2024	8/5/2024	8/5/2024
Nguyen Hoang Gia Khanh	Add dark-theme css to create post and adoption	10/5/2024	10/5/2024	10/5/2024
Nguyen Minh Phuong	Complete the sign up page	9/5/2024	9/5/2024	9/5/2024
Nguyen Hoang Gia Khanh	Complete the sign in page form validation	10/5/2024	10/5/2024	10/5/2024
Dao Thao Phuong	Complete the adoption page	9/5/2024	9/5/2024	9/5/2024
Pham Trung Nghia	Create admin manage user page	9/5/2024	11/5/2024	11/5/2024
Nguyen Minh Phuong	Code the create post page	7/5/2024	8/5/2024	8/5/2024
Pham Trung Nghia	Code the create adoption post page	9/5/2024	12/5/2024	12/5/2024
Dao Thao Phuong	Code the setting for the page	10/5/2024	12/5/2024	12/5/2024
Nguyen Minh Phuong	Define the user schema	12/5/2024	12/5/2024	12/5/2024

Member's name	Task	Start date	Expected Complete date	Complete date
Nguyen Minh Phuong	Use Passport.js to create the login and sign up function	13/5/2024	15/5/2024	15/5/2024
Dao Thao Phuong	Code the admin manage post page	13/5/2024	14/5/2024	14/5/2024
Pham Trung Nghia	Code the pet listing page	13/5/2024	14/5/2024	14/5/2024
Nguyen Hoang Gia Khanh	Prepare the usability testing document	13/5/2024	15/5/2024	15/4/2024
Pham Trung Nghia	Make dark mode for the create post	13/5/2024	15/5/2024	15/5/2024
Hoang Gia Khanh	Make dark mode for the setting	13/5/2024	15/5/2024	15/5/2024
Dao Thao Phuong	Add dark mode to community and adoption	14/5/2024	16/5/2024	15/5/2024
Nguyen Minh Phuong	Route the admin using passport js	15/5/2024	17/5/2024	16/5/2024
Nguyen Minh Phuong	Start routing pages using express	15/5/2024	17/5/2024	17/4/2024
Dao Thao Phuong	Fix some minor responsive bugs	15/5/2024	16/5/2024	15/5/2024
Pham Trung Nghia	Fix some minor responsive bugs	15/5/2024	16/5/2024	15/5/2024
Nguyen Minh Phuong	Fix some minor responsive bugs	15/5/2024	16/5/2024	15/5/2024
Nguyen Hoang Gia Khanh	Change username modal	17/5/2024	18/5/2024	18/5/2024
Nguyen Minh Phuong	Finalising the prototype	18/5/2024	18/5/2024	18/5/2024
Pham Trung Nghia	Finalising the prototype	18/5/2024	18/5/2024	18/5/2024

Dao Thao Phuong	Check web style	18/5/2024	18/5/2024	18/5/2024
Nguyen Minh Phuong	Deploy web on render	18/5/2024	18/5/2024	18/5/2024

3. Signature of all members:

Team member	Contribution	Signature
Nguyen Minh Phuong	25%	
Pham Trung Nghia	25%	
Dao Thao Phuong	25%	
Nguyen Hoang Gia Khanh	25%	