Tool Used

Tool	Description
Confluence	We use Confluence to support out team collaboration. For example managing our knowledge base including product requirement, our design document, UML, etc. And team members can collaborate on documents in real-time, comment on any part of a page, and get feedback instantly. In addition, we also record our meeting notes, project timeline and coding standard on confluence. Therefore, Confluence acts as a single knowledge base for teams, providing a centralised platform where members can create, collaborate on, and store documents and other types of content.
Git	We use git to implement our version control, so that multiple versions of a project to exist simultaneously and we can work on new features without affecting the main version of our project. It greatly enhance our team collaboration and throughput.
Github	We use GitHub as a web-based platform that uses implement version control. GitHub provides us services to host our project code, and it has built-in tools that make it easier for us to collaborate as multiple developers can work on a project, submit changes, review code, and discuss issues. It also makes our collaboration much easier with features like pull request and issue tracking.
Heroku	We use Heroku to deploy our website. Heroku is a cloud platform-as-a-service (PaaS) that allows developers to build, deploy, and manage web applications and services without the need to worry about the underlying infrastructure and server management.
Figma	We use Figma as our design tool used for interface design, prototyping, and collaboration. Main because it supports real-time collaboration, which means multiple users can work on a project on the same time. Figma also has a rich collection of design components, and it also allows designers to create reusable components. which means if a component is edited, those changes can be propagated to every instance of that component across the design.
Locofy	We use Locofy we convert our design in Figma into a prototype of VUE code.
Trello	We use Trello to organise projects into boards, lists, and cards, which helps us to break our project into smaller subtasks so it greatly helps us to manage our team workflow. Moreover, it is also very easy to allocate tasks to specific team members so that each team member know clearly what they should do. We also use Trello to set the task for every sprint, which makes our development cycle more flexible and structural .
VUE	We use VUE as our frontend development framework. Vue extends standard HTML and CSS to create a suite of powerful tools for building the front end of interactive web applications. Since Data binding allows Vue to dynamically update HTML elements that are "bound" to underlying Vue objects, we can run the web application directly on the browser and it provides us an interactive experience that doesn't require refreshing the page. Moreover, VUE enable us to access the web application on different devices if they are connected to the same network. It is a big help for us to test out web application on different devices with different browser and screen size.

VSCode	We use VSCode as out primary IDE for coding since VSCode supports a vast range of programming languages and frameworks out of the box, including all programming languages we are using in this project, like VUE, HTML, CSS, JavaScript, Python, etc. It also provides a wide range of extensions like prettier to help us with the coding standard and formatting. In addition, with its built-in debugging support, we can set breakpoints, inspect variables, navigate the call stack, and execute code step-by-step.
Slack	We use Slack to communicate with team members, allocate task, publishing meeting summary and setting out meeting time. We also communicate with the client to clarify the client requirement, and discuss about the communication API with the backend group.
WeChat	we use WeChat to disclose current bugs, discuss solutions to those bugs and each team member report progress regularly on WeChat.
Zoom	We use Zoom to conduct virtual meetings to discuss project progress, any outstanding issues or bugs, and delegate tasks. Currently, we have hosted one internal group meeting on Zoom (notes can be found here: 📄 Group Meeting).
AWS Amplify	AWS Amplify service is used to automatically and securly deploy the web and enable CI/CD of app on branch deploy