Project Plan

For the project, we decided to use web programming, since three of us have web programming experiences, and none of us have experience on app, and only Joey have experiences on terminal C++ program.

The technologies and languages we will use are:

* Frontend: HTML, CSS, and JavaScript
* Backend: Node.js
* Database: SQL
* Version Control: Git
* Collaboration Platform: GitHub
* Potential Frontend Frameworks: React or Vue, both are popular frontend frameworks.

We have already established the GitHub Project we use for teamworking, and we are still choosing React or Vue as the framework we will use for the front end. It seems like Vue is easier to learn, and it will be friendly for those of us who don’t have web programming experience, React has more functionality, and we haven’t decided it yet. Every team member shall learn on the documentation of Vue and React and have a decision soon. Git should be simple that everyone will be able to learn it and use it in teamworking.

I will introduce the skills and programming experience, besides git, of the group members.

Simon: have experienced in HTML, CSS, JS, PHP, database, and I have experiences on yii2 and Laravel framework.

Joey and Jason: learned Coen 161, which is about web programming, and they have experienced in HTML, CSS, JS.

William and Tommy: do not have experience on web programming, and they will learn HTML and CSS at first, as it is the easy part of front end. If they finish learning HTML and CSS, they can engage in the JS programming once comfortable.

For three of us who have web programming experiences, two of us will need to learn node.js for the back end, including writing databases codes in the back end. Additionally, all of us shall learn Vue or React, and writing web codes in the framework we choose. There may be additional skills needed in the further development.