

**Team Number:** 107-2

**Team Name:** Pentasquad

**Team Members:** Simon Koeten, Ryan Moore, Kevin Ruby, Yuwangyang Fan, Kevin Huynh

**Application Name:** Home Base

**Application Description:**

Our application will act as a home for all your internet needs. By home we mean, a place to store all the websites you love, movies and TV shows you still need to watch, and many other needs, all a click and link away.

The purpose of this website is to store links to websites you use(canvas, moodle...), keep a wishlist(movies, tv shows, gifts...), and anything else you can think to store. The ability to create folders keeps all your information organized and accessible. Each website you want to store will be put into a folder (with a name and an image header), and from there, you have the ability to name each node, give an optional description, and finally a link to access the web page at any moment.

Finally, the website will have the user create an account. This will allow the user to access their links from any device, letting the user bring their “home” anywhere. This program will allow users to keep all the links they might lose because they did not have a place to store it, while keeping everything organized and easy.

**Vision Statement:** Our vision is create an organized and accessible home base for users to store links and websites to access later, without forget or losing the link.

**Version Control:** [Project code](#) [Group Meeting Logs](#) [Milestone Submissions](#)

Proof Github repositories are public: [Proof](#)

**Development Method:** We will follow the agile methodology for developing our website. First, we will design and implement how the website will look, then after the website is functioning we will develop the method for creating folders and storing links. Essentially, we will develop the front end, get it to a working state, then develop the back end, and finally connect the two.

**Communication Plan:**

Our group will mainly communicate through slack. If one of the team members has not been online for quite a long time, we will send a notification email or phone text to remind him or her the progress of the project. After every milestone has been posted, we will post the requirements on github or slack.

**Proposed Architecture Plan:** On the front end, we will combine html, css with javascript for the design and primary features of the website. On the back end, we will primarily use C++ for website functionality, and use MySQL for a database for user data. We will use NodeJS to integrate the front end with the back end.

**Meeting Plan:** Our meeting plan is to meet on Thursday's after our recitation at 3pm, face to face in the engineering center. Additionally, using slack, we can communicate in between weekly meetings.