

## Milestone 2 Progress Report

### **Changes/Updates to original proposal**

So far we haven't made any changes to our original proposal. We definitely see the possibility of our proposal changing as we start to flesh out more features.

### **Summary of progress so far**

Since the last milestone, we've decided to make a web application using a MERN stack that uses a PSQl relational database instead of a MongoDB one. In terms of developing components of our project, we've worked on the front end, back end, and sample data for our project. In terms of the front end, we've created a general SearchPage component because we believe that a search page will be necessary for browsing different users and browsing different products. We also created a general search bar actions page to help the general search page dynamically meet the different requirements of different search pages we implement in the future. We've also created a GeneralNavBar that we believe will be helpful in making our web application easy to navigate. In terms of integrating the front end, we have a barebones landing page that contains Express routes to all the different pages we plan to implement.

In terms of the back end, we've created a functioning API to interface the front end with the back end. The back end uses NPM packages that allow us to quickly query our backend PSQl database. This API allows us to create/remove users and projects, add users to projects, and updating fields about a certain project. We also have these API calls working properly with the database schema that we set up for milestone 1, so we believe that our backend is mostly complete.

We also used scripts to generate sample data. Although we haven't formally entered this data into a database yet, we believe that this data will be very useful in testing functionality and the UI of the website when it becomes more developed. Having this data has also been useful because it's given us a realistic perspective going forward about how data will fit into our web application (since we have data to base our perspective off of now).

### **List of tasks to be completed before final due date**

Below is a list of tasks that need to be completed before the final due date:

- Integrating sample data with back end database
- Interfacing front end with back end
- Using GeneralSearch pages to create UserSearchPage and ProjectSearchPage
- Create a UserSettings and UserProfile page for users to look at their own & other users' profiles and edit their own
- Create a login/register page
- Create a project creation page

- Create modals for various user actions (i.e. one for a user who wants to submit interest for a given project; we believe the specific modals we need will become more transparent as we develop the UI more)