Capstone-2 Project Proposal

1. What tech stack will you use for your final project? We recommend that you use React and Node for this project, however if you are extremely interested in becoming a Python developer you are welcome to use Python/Flask for this project.

*My second Capstone project will use React and Node.*

2.Is the front-end UI or the back-end going to be the focus of your project? Or are you going to make an evenly focused full-stack application?

*The front-end UI will be the focus of the project as the backend will merely serve for providing the routes to the API.*

3. Will this be a website? A mobile app? Something else?

*This project will be a social media website.*

*4.* What goal will your project be designed to achieve?

*The goal of the project is to simulate a social media app specifically adhering to the topic of exercise. Users will be able to post their workout of the day using exercises from the API database. Functionality will include posting, liking posts, following other users, profile editing and settings.*

5. What kind of users will visit your app? In other words, what is the demographic of your users?

*Users will be of all demographics with the sole focus being health and fitness.*

6. What data do you plan on using? How are you planning on collecting your data? You may have not picked your actual API yet, which is fine, just outline what kind of data you would like it to contain. You are welcome to create your own API and populate it with data. If you are using a Python/Flask stack are required to create your own API.

*I plan on gathering data from* [*https://wger.de/en/*](https://wger.de/en/) *which provides data on exercises.*

7. In brief, outline your approach to creating your project (knowing that you may not know everything in advance and that these details might change later). Answer questions like the ones below, but feel free to add more information:

1. User Table:
   1. User\_id (Primary Key)
   2. Username
   3. Email
   4. Password\_hash
   5. Avatar\_url
   6. Bio
   7. Created\_at
   8. Updated\_at
2. Exercise Table
   1. Exercise\_id (Primary Key)
   2. User\_id (Foreign Key)
   3. Title
   4. Description
   5. Media\_url (URL to video or image of exercise)
   6. Created\_at
   7. Updated\_at
3. Comment Table:
   1. Comment\_id (Primary Key)
   2. User\_id (Foreign Key)
   3. Exercise\_id (Foreign Key)
   4. Content
   5. Created\_at
   6. Updated\_at
4. Like Table:
   1. Like\_id (Primary Key)
   2. User\_id (Foreign Key)
   3. Exercise\_id (Foreign Key)
   4. Created\_at

7a. Functionality will include the ability to edit one’s profile, commenting on other users’ posts, posting, liking and following, adjusting settings, to name a few.