Softies Milestone 1

CSCI 3308 Software Development Group Project

Team Number:

107-3

Team Name:

Softies

Team Members:

Madison Yost, Daniel Koris, Xinguan Tang, Dominic Pontious, Wyatt Richards

Application Name:

Fitness FAM (Fighting Against My-own-laziness)

Application desc:

Fitness FAM is a web-based application that provides the fitness enthusiast with a way to manage and track their gym workouts by setting fitness goals, log workouts, and receive merit badges for their efforts. Each user of our app will sign up to create an account so that they can save their workout history and see their progress. The user will be able to customize and log their weekly workouts, view their workout history, and collect badges. In order to provide a more customizable experience to the fitness enthusiasts that don't want to rely on pre-generated workout plans, Fitness FAM will allow the user to create their own weekly workout plan using preset workout categories and exercises or their own customized categories and exercises. Each time the user completes a workout they will be able to enter the workout results into the app and update their goals for future workouts. This allows our fitness enthusiast to keep track of their fitness routine and adjust their routine to achieve new goals. By allowing the user to switch between a view of past and upcoming workouts Fitness FAM provides one central location for the user to hold all of their workout data.

Vision statement

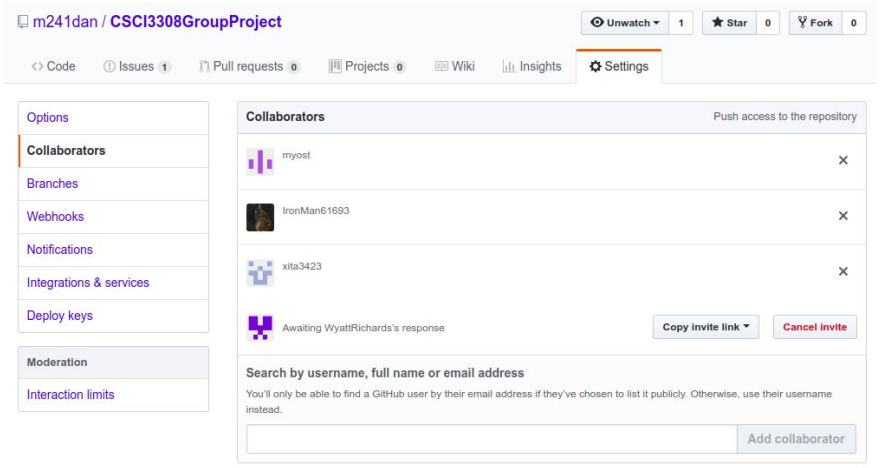
For fitness enthusiasts who wish to track their progress and easily access their current exercise routine, Fitness FAM is a website application that is highly customizable and simple to use. Unlike current popular fitness applications our product allows the user to input their own customized workouts and receive positive feedback for exercising regularly.

Version control

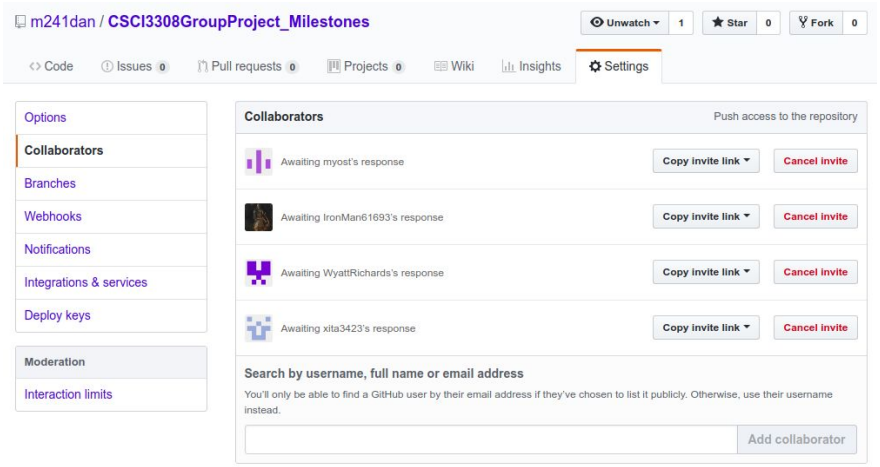
Github Base Link:

https://github.com/m241dan/

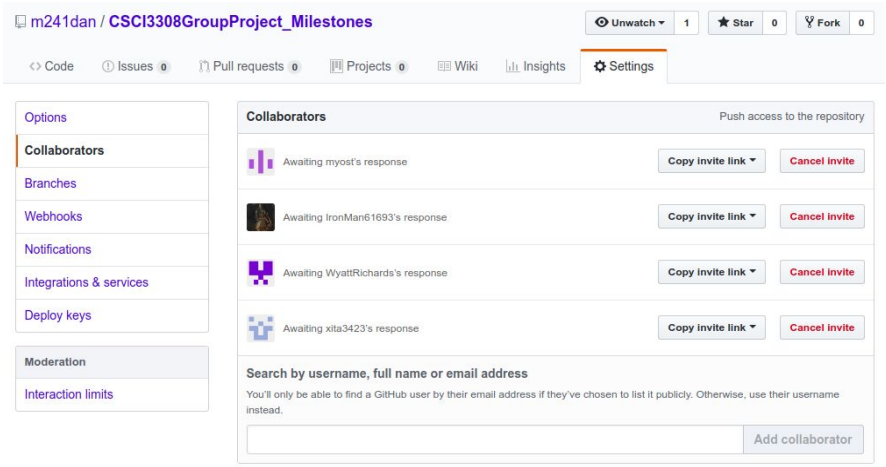
Code Repository:



Milestone Repository:



Minutes Repository:



Development method:

The Softies will follow a scrum methodology for our software development process. Every week we will meet and designate the specific tasks to be accomplished during the upcoming week. Each member will be assigned tasks in order to achieve our weekly team goals. Each scrum task will have a specific github issue associated and a person assigned in order to maintain an organized workflow. All commits will be tagged with their specific GitHub Issue number. Each member will take on one feature, and special creedence will be given to features that are dependent on each other. Tasks will be divided in a way such that each member will be able to choose tasks that speak to their strengths or areas that they hope to grow in. We have designed our development method this way so that no one member will focus entirely on one aspect of the project (eg. the database or the html) each member will have a hand in each aspect of the application from front-end to back-end. Each feature will have its own branch and our team will collaborate on merging each of the branches every week.

Communication plan:

For communication purposes, the team will use a combination of Emails, Discord, and GitHub Issue Tracker to communicate and track any potential boons / pitfalls of the week.

- **Discord:** Discord will provide a light-weight means to communicate in real time when needed. This allows us to be flexible in the moment.
- **Email:** The use of Email allows us to create long-form communications as needed without weighing down our use of Discord for quick and efficient conversations.
- **GitHub Issues:** GitHub Issues allow the team to not only track work being done each week but also keep code organized. The forum thread nature of Issues allows each developer to keep personal journals to ourselves of tasks completed, problems encountered, and to tag/ask assistance from others in the group as we each work on our individual scrums.

Proposed architecture plan

The Softies will use HTML and CSS to create the front-end UI of the Fitness FAM web app. JavaScript and Node.js will be used in tandem with these tools to help build the front-end and also to link the front end to our back-end database. The back-end of the Fitness FAM app will be coded in SQL. We will store the user account and user workout data in the SQL database and this information will need to be presented in our view layer using HTML/CSS.

Meeting Plan:

Team meetings will be held every Tuesday morning and some Thursday afternoons if necessary. In crunch times, meetings on the Weekends have been discussed and approved by the group.