**Progress Report**

- Increment 1 -

Group #10

Please use this template to describe your progress on the group project in the latest increment. Please do not change the font, font size, margins or line spacing. All the text in italic should be removed from your final submission.

**1) Team Members**

Adam Sanderson, ams19y, amsanderson1

Aaron Dunn, ald19j, aarondunn21

Cole McGuire, cjm20dy, colejmcguire45

Austin Miller, ajm19x, austin-miller01

Mike Cernkovic

**2) Project Title and Description**

Swole Patrol

Swole Patrol is a fitness app that tracks things like goals, caloric intake, workouts, and body weight to be able to show you trends in your overall health.

**3) Accomplishments and overall project status during this increment**

Describe in detail what was accomplished during this increment and where your project stands overall compared to the initial scope and functionality proposed.

The overall status of the project is good, so far we have the skeleton of the app working and we are currently adding all the functionality to make it so that the app can function at a low level.

**4) Challenges, changes in the plan and scope of the project and things that went wrong during this increment**

Please describe here in detail:

- anything that was challenging during this increment and how you dealt with the challenges

- any changes that occurred in the initial plan you had for the project or its scope. Describe the

reasons for the changes.

- anything that went wrong during this increment

The main challenges during this increment was getting our firebase real time database to connect to our code. We set up a simple add and delete item list to see if data would propagate to the database on firestore. After many tries we finally got the code hooked up to the firestore database. Another challenge we faced was deciding how we were going to set up the user interface. This is still up for debate as of this document being written. We also think we are going to have to dial back some of the features we had initially planned to add to the application due to time constraints. We will see how much of them we get done. The only thing that went wrong during this increment was the initial process of connecting to the database, but we managed to work through it just fine. In addition, it has been a struggle to implement delete and edit functionality. There have been problems with bassing a non noull item into the ViewModel.

**5) Team Member Contribution for this increment**

Please list each individual member and their contributions to each of the deliverables in this

increment (be as detailed as possible). In other words, describe the contribution of each team

member to:

a) the progress report, including the sections they wrote or contributed to

b) the requirements and design document, including the sections they wrote or contributed to

c) the implementation and testing document, including the sections they wrote or contributed to

d) the source code (be detailed about which parts of the system each team member contributed to

and how)

e) the video or presentation

1. Austin Miller
   1. For this increment I firstly set up the base application through visual studio and pushed the code to our github. I also set up the application in google firestore and invited the group members to the project on firestore. I also wrote the Challenges section on the documentation. I also wrote the overview section of the requirements and design document, I also did a large portion of the implementation and testing document as well as figured out some of the pull requests on github. I also made the project video
2. Aaron Dunn

d.) I contributed towardsthe code implementation of our requirements to make the app function at a low level for the first increment. I first created the user object and connected it to the firebase database with help from groupmates. From there, I worked towards developing basic crud functionality for our user object.

1. Cole McGuire

For this first increment, first I aided in the brainstorming and decision making for oour project proposal. Both what our project was going to be as well as the software stack which we will use to do so. From there I helped to come up with requirements and goals for both the project as a whole and for this iteration. Then, I helped create a high level overview of how the data for this project will be laid out.

a) I created the outline of the progress report and contributed to the challenges section. Also clearly I contributed to the team member contribution section.

b) I created the format for this document and wrote out the functional requirements and non-functional requirements. I also created the Use case diagram and the Sequence diagram.

c) I contributed to the programming languages part and the Platforms, APIs, Databases, and other technologies part. I also wrote the Execution-based Non-Functional Testing part and the Execution-based Non-Functional Testing part.

d) For development, I first created our .gitignore file so that we can build and test our project with out files from building creating merge conflicts. I then established a conection in our code to a Firebase RealTime database. Next, I worked to take the existing functionality, add item, view items, and view item details, and covert these features to work with database rather than mock data. In addition, I worked to implement a delete and edit feature; however I have struggled to make the delete button pass an item correctly to the ViewModel.

e) Austin Miller created the video, however I was present on the zoom meeting when it was created.

1. Adam Sanderson
   1. Contributed to items 1,2,6 of the progress report
   2. Contributed lightly to the requirements and design report
   3. Contributed lightly to the implementation and testing document
   4. Has not made any contributions to the source code
   5. Was unfortunately unable to be in the video due to outside factors
2. Mike Cernkovic

**6) Plans for the next increment**

If this report is for the first or second increment, describe what are you planning to achieve in the next increment.

We are planning to have an app that works at a low level so that we are setting ourselves up to be able to make improvements and a much cleaner experience in the third increment. In the second increment we want to have the database fully integrated so that we can add users to it and we want those users to be able to add their information to the database. We want to have the different pages done for the different tabs that we want to create, such as the goals, body weight and caloric intake. We also plan to get the UI to a workable level.

**7) Link to video**

<https://youtu.be/Oha5cy1hJrs>