**Progress Report**

**- Increment 2 -**

**Group 2**

*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**

Sydney McGinnis sem18 pepperdog80

Sophie Pavia srp19 sophiepavia

Henry Gilbert hg19b henrygilbert22

Alejandro Serrano as18ac alexserrano19

Jack Garthwaite jtg17f jtg17f2

**2)** **Project Title and Description**

fitnessApp: This fitness app allows the user to select from a variety of workouts and log each workout they complete. They can also login through Google so their information will be saved each time they open the app. The saved information includes their BMI, calorie calculator information, 1RPM, and all of the past workouts they have completed.

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

As of right now, our app has many new changes in this increment including: a Google sign in button on the home page developed by Sydney, persistent data throughout the app created by Henry, a place where the user can insert a picture into their profile page created by Sophie, a scrolling list of workouts to choose from and small descriptions of each workout created by Jack and Alejandro, and a diary log of workouts as well as a complete restructuring of the workout creation also created by Jack and Alejandro. While not all of these features were proposed in the beginning, our team felt that these features would give the user a better experience while using the app and would give the app more variety than most fitness apps.

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

During this increment it was challenging for Sydney to link the “How are you feeling” slider to a graph API. There were not many helpful tutorials on how to do this and so for this increment the graph is not included and is to be determined. Also, for Sophie, it was challenging to figure out how to let the user upload a picture. Syntactically the code was correct but actually getting the picture to load on the profile page was difficult. Some other challenges were missing files within the GitHub. Sometimes when new changes were committed, not all of the view controllers would load into GitHub and so the build would fail. Another challenge was trying to make everyone’s code compatible and functional. An example of this is when Sydney added the Google API and Henry added persistent data, the code Sydney wrote had to be moved to a new View Controller that Henry created. While this was a simple fix, it took us a while to figure out while the build kept failing and goes to show that new changes can affect the code in unforeseen ways. Alejandro also had some challenges with merge conflicts, since Sydney had modified a file Alejandro also modified. Alejandro also had problems manually adding all of Jack’s creations since the process was complex and tricky. However, everything worked out well in the end.

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

Sydney McGinnis:

* Implemented Sign In with Google API
* Added attributes and functionality to “How are you feeling slider”
* Created RD, IT, and Progress Report documents
* Collaborated on the video

Sophie Pavia:

* Fixed issues with there not being buttons to switch between pages
* Implemented a feature to let the user add a picture to their profile page
* Updated design of Profile page
* Contributed to all documents
* Collaborated on the video

Henry Gilbert:

* Added persistent data so all of the information the user enters remains stored in the app
* Created PHP api to connect Xcode to SQL database
* Created SQL database
* Contributed to all documents
* Collaborated on the video

Alejandro Serrano:

* Created a log to store user’s workouts and improved/uniformed app navigation
* Restructured the entire workout interface, where the user stores workouts
* Merged jack’s predefined workouts to exercise creator and added useful (non-functioning) buttons on “More” page
* Contributed to all documents
* Collaborated on the video

Jack Garthwaite:

* Created the main workout page where the workouts are listed with descriptions of each
* Created a list of workouts and a friendly user-interface to go with it
* Contributed to all documents
* Collaborated on the video
* Modified use-case diagram

**6)** **Plans for the next increment**

In the next increment we plan on debugging everything, having the SQL database be correctly linked to all the user’s information, and cleaning up the look of the app, to make it more appealing. At this point most of the functionality that we want the app to have is there so we need to test all of the features and make sure they work correctly. We are still going to try to link the graph to the slider in order to show a display of how the user was feeling after each workout they completed. We also need to use test cases to make sure all of the calculations in the calculators come out as expected, test edge cases, and make sure all of the images and text boxes are scaled to fit multiple phone sizes. \*\*\*\*

**7)** **Link to video**

*https://youtu.be/iU3PidiG7bg*