**Progress Report**

**- Increment 3 -**

**Group 5**

# Team Members

John Washer jcw11j jcwasher

Mason Metcalf mtm19d mmetcalf9

Michael Nguyen mtn18 mtn18

Felipe Bergano fb16 fbergano06

Bohdan Kovalyus bmk18b markbko

1. **Project Title and Description**

Strictly Gains is a mobile fitness app designed to log a user’s workouts and track their progress over time. Its goal is to provide the user with a simple, clean, and easy to use interface making workouts more enjoyable and rewarding. The app also allows the user to create workout plans that target the user’s wants and needs.

1. **Accomplishments and overall project status during this increment**

Compared to our last increment, we have definitely relatively made a lot more progress. Although the project is not as refined as it could be, a lot of new functionality was added in this increment and we were able to complete most of the main features for the app resulting in a decent minimum viable product.

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

The biggest overarching challenge was playing catch-up from the last increment and resolving some issues in communication. The only High priority requirement that was not implemented was the creation of Programs that were intuitively tied to days of the week. Medium priority requirements that were not implemented include: auto warm-up sets, rest timer, and 1RM calculation. Low priority requirements not implemented include: linear lift increases, deloading lifts, and barbell graphic. We also faced challenges storing user profile data online using firebase, so we decided due to time constraints it was best to store this data locally.

Not being able to stick to the project and work on it 100% made it very easy to fall behind. The hidden complexity of Android Studio made it challenging to make any changes that wouldn’t crash the program. Same thing with trying to edit something that had already been started, it was difficult to research exactly how Android Studio wanted you to do certain things. As a result not everything in mind was able to get implemented, for example the rest timers on the workout tab. The online tutorials weren’t much help since they were working with outdated code.

1. **Team Member Contribution for this increment**

Michael Nguyen:

1. Progress Report
   1. Contributed to the progress report by filling out this form.
   2. Contributed by filling out accomplishments and overall status.
2. RD Document
   1. Contributed to nonfunctional requirements
3. IT Document
4. Source Code
   1. Wrote login/registration system, connected app to Google Firebase.
   2. Redesigned how users are introduced
   3. A few UI refinements and touchup (design)
   4. Modified profile tab added features to it.
5. Video
   1. Contributed to video

Mason Metcalf:

1. Progress Report
   1. Contributed to accomplishments and project status.
   2. Contributed to challenges and change of scope
2. RD Document
   1. Contributed to functional and nonfunctional requirements
3. IT Document
   1. Contributed to execution-based functional testing and non-execution based testing.
4. Source Code
   1. Added method to store exercise history locally to track max lift and goals.
   2. Completed goal tab, adding functionality to the pieChart and allowing users to edit their goal for each exercise.
   3. Added option to the create workout page that allows the user to create their own exercises. Also added an option to delete exercises from the list. Fixed crashes that would happen for bad data input.
   4. Worked on the progress fragment adding a list and updating the chart layout and functionality.
5. Video
   1. Contributed to video

John Washer:

1. Progress Report
   1. Updated, formatted, and shared Google Doc
   2. Contributed to sections 3 and 4
   3. Uploaded to repository
2. RD Document
   1. Updated, formatted, and shared Google Doc
   2. Highlighted functional requirements that were met
   3. Updated Use Case diagram and added textual descriptions
   4. Updated Class Diagram and Sequence Diagram
3. IT Document
   1. Updated, formatted, and shared Google Doc
   2. Authored section 3
   3. Contributed to section 4 and 5
4. Source Code
   1. Tied the Date and Time of Workout completion to its corresponding json file to better iterate through Workouts
   2. Updated the DataHelper class to load Workout exercises
   3. Reimplemented the Progress chart from GraphView to MPAndroidChart and populated it with real user data
   4. Completely reworked the way workouts are created, stored, and implemented.
   5. Updated Workout, Exercise, and Set classes to be better integrated with this new system
   6. Updated the WorkoutFragment, WorkoutCreateActivity, and StartWorkoutActivity to reflect these changes
   7. Updated the UI to reflect these changes
5. Video
   1. Shared screen and recorded video
   2. Spoke about my contributions

Felipe Bergano:

1. Progress Report
   1. Added some information to the Challenges section
2. RD Document
   1. Discussed our functional and non-functional requirements with the team from previous increments. For the most part the requirements have stayed the same.
3. IT Document
   1. Performed some of the execution based functional testing.
   2. Performed some of the execution based non-functional testing.
4. Source Code
   1. Was able to get an initial version of our profile tab started.
5. Video
   1. Spoke about contribution.
   2. Spoke about personal challenges.

Bohdan Kovalyus:

1. Progress Report
   1. Contributed to the challenges section
2. RD Document
   1. Made a few small changes and added on to the dependencies
3. IT Document
   1. Contributed to the testing section
4. Source Code
   1. Added dates as part of the sets for record keeping and progress updates.
   2. Attempted to make the progress tab display the dates but was ultimately unsuccessful after days of trial and error.
5. Video
   1. Took part in its creation.
6. **Link to video**

https://youtu.be/W-h57AIacuY