

**GITHUB LINK:** <https://github.com/rren4000/MyPersonalizedFitnessTracker.git>

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**Rachel:**

Code:

- The following are the classes that I wrote:
  1. Activity.java
  2. ActivityManager.java
  3. ActivityObj.java
  4. ActivityTracker.java
  5. ActivityTrackerHandler.java
  6. File\_Activity\_Tracker\_Saver.java
  7. ActivityGenerator.java
- This was a class I contributed to:
  1. MyFitnessTracker.java ← This class contains the main method
    - I contributed to this class by formatting in addition to adding my driver code methods/ implementing in the main method.

Diagrams:

- Use Case diagram
  1. Brynja and I designed the use case diagrams together, however, everyone wrote their own description.
  2. My written descriptions include that of 2) Track Activities, 6) Activity Generator, 7) Track Activity + Duration, 8) Track Amount of Steps, 9) Track Hours of Sleep, 10) Delete Activity.

- Sequence Diagrams:
  1. Track Activities
  2. Track Activity + Duration
  3. Track Amount of Steps
  4. Track Amount of Sleep
  5. Activity Deletion
  6. Activity Generator

#### Github:

Created a github repository, brought all files together, reviewed them, and submitted.

#### Progress and Organization:

During group meetings, we set deadlines for each phase of the project ranging from brainstorming, design, creation (coding), testing, and revising. I've completed my task on time whilst checking upon my teammates progress and helped with revising and editing. Brynja and I made adjustments to the deadlines in order to meet everyone's needs and circumstances with everyone's agreement on the adjusted deadlines. In accordance, Brynja and I met with the TA to clear up any questions or confusions with concepts related to the design of the code in order to fit the guidelines and enhance reusability and structure of the code and relaying it to our group mate. I facilitated the flow of the work through prompting group mates with updates on their progress, reminders of the deadlines, and setting up meeting times.

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**Brynja:**CODE:

I was solely responsible for designing and coding setting a user profile (User.java, User\_Input\_Handler.java, User\_Data\_Saver.java, and File\_User\_Data\_Saver.java) as well as recording user-inputted goals (Goals.java, Goal\_Input\_Handler.java, Goal\_Data\_Saver.java, File\_Goal\_Data\_Saver.java, and ActivityDuration.java). Both setting a user profile and recording goals utilized text files to record user-inputted data. For these classes that I was responsible for, I wrote a summary of what they accomplished within the README.md. I also contributed to our main class (MyFitnessTracker.java) by dividing each action into a case and creating methods to be called within each case to satisfy the task. I updated the formatting of user interaction within the classes that handled the Calorie Manager, BMI and BMR Calculator, Calorie Tracker, and Activity Tracker classes so that user interaction would be consistent throughout the entire program. For these classes, I also edited the method of inputting data within so that users would be prompted again if they inputted incorrect data. Within the classes that handled the Calorie Manager, BMI and BMR Calculator, and Calorie Tracker, I also edited code for clarity by deleting unused or redundant code. I also edited code that was incorrect or failed to run in these classes and improved the organization of this code by moving method declarations to be before the methods are called. Finally, throughout all of the code, I added comments where necessary to describe the bigger ideas of what was occurring.

DIAGRAMS:

For diagrams, I was solely responsible for “Add User Profile”, “Set Goals”, “Set Body Weight Goal”, “Set Step Goal”, and “Set Activity Duration Goal” sequence diagrams. I was also solely responsible for the User.java, User\_Input\_Handler.java, User\_Data\_Saver.java,

File\_User\_Data\_Saver.java, Goals.java, Goal\_Input\_Handler.java, Goal\_Data\_Saver.java, File\_Goal\_Data\_Saver.java, and ActivityDuration.java class diagrams. In addition to that, I also created the MyFitnessTracker.java class diagram. I also very regularly reviewed other teammate's diagrams in depth and messaged them of any incorrect notations or designs. After editing the code that handled the Calorie Manager, BMI and BMR Calculator, and Calorie Tracker, I completely redid their sequence and class diagrams. This was to reflect the more recent form of code that I had edited as well as to correct the errors that existed in the previous diagrams. Rachel and I created the Use-Case Diagram and divided up the cases between the group. I was responsible for filling in the use case table descriptions for "(1) Add User Profile", "(4) Set Goals", "(13) Set Body Weight Goal", "(14) Set Step Goal", and "(15) Set Activity Duration Goal".

#### ORGANIZATION:

As a group, we created set deadlines for each stage of the project from brainstorming stage, to designing diagrams, coding, testing, and submission date with reasonable time for adjustments in case of any issue. Additionally, throughout the course of the project, Rachel and I created alternative deadlines in adjustment to everyone's circumstances to keep everyone on task and on track to finish the project on time. Both Rachel and I took turns sending reminders of due dates before they passed as well as after when a group member failed to complete the tasks for those due dates. I was responsible for arranging and reminding members of recurrent meetings to review past work as well as plan on the next tasks to be completed. Rachel and I both had regular meetings with the TA to ask all pressing questions regarding the project and relayed this information to the group via messages.

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**Andrew:**

For this group project we split up the coding responsibilities and I was in charge of coding all classes associated with calorie management and BMI calculation, which included:

Cal\_Manager.java, Cal\_Manager\_UI.java, Cal\_Tracker.java, Cal\_Tracker\_UI.java, Cal\_Tracker\_FileHandler.java, BMR\_Calc.java, BMR\_UI.java, BMR\_Calculator.java, BMR\_FileHandler.java, BMI\_Calc.java, BMIDisplay.java, BMICalculator.java , BMIFileHandler.java, and BMIInputHandler.java. Likewise, for the diagrams I was in charge of creating the Class Diagrams and associations for all classes which I coded and providing the descriptions for UseCase Diagrams for Calorie Manager, Calorie Tracker, BMR Calculator, and BMI Calculator. The designing of the Sequence Diagrams for the previously mentioned UseCases were also under my responsibility.