Orlando Gonzalez, Juan Salas Paredes, Percy Gomez Torres, Roberto di Bari Piercen Rychlik

gesture Recognition Sytem

Capstone 2

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# Sprint 1

## Sprint Planning Meeting 1

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 3.00 pm

End time: 3.30 pm

After discussion, the velocity of the team was estimated to be 20 hours.

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

* User Story 1: Familiarization with the tools:

As a product owner, I want the development team to get familiar with the tools (GitHub, Fitbit SDK, Android Studio, etc.) so that they can effectively utilize them in our project.

User Story 2: The Product owner explained and thoroughly showed the idea of what the project would hold.

The team members indicated their willingness to work on the following user stories.

* Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres
* User Story 1: Familiarization with the tools

## Daily Scrum Meeting 1

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: Monday 3.00 pm

End time: Monday 3.30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Met with the project owner and established sprint one schedule
* What is planned to be done until the next scrum meeting?
  + Getting more familiar with Flutter, Fitbit SDK, android studio
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Met with product owner, attended planning meeting, and discussed goals for the first sprint.
* What is planned to be done until the next scrum meeting?
  + Begin working with Flutter, Fitbit SDK, and Firebase, and become more familiar with each.
  + Research gesture-related exercises that help individuals with motor impairments.
* What are the hurdles?
  + N/A

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + This was the first meeting and making and planning for the upcoming of the semester and future sprints to come
* What is planned to be done until the next scrum meeting?
  + Research on IDE for use to make the mobile app and the understanding of Dart as well as making of the datastore using firebase
* What are the hurdles?
  + N/A

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Met with the product owner and planned for the sprint.
* What is planned to be done until the next scrum meeting?
  + Study the tools required for the project to start preparing.
* What are the hurdles?
  + N/A

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Met with the product owner and established a planning for the sprint.
* What is planned to be done until the next scrum meeting?
  + Research the tools required for the project and prepare the work environment.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 2

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 2:30pm

End time: 3:00pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Familiarized with Flutter and android studio
* What is planned to be done until the next scrum meeting?
  + Getting more confident with flutter
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Began working with the Fitbit SDK and created a basic clock application.
* What is planned to be done until the next scrum meeting?
  + Begin working with Dart, Flutter, Firebase, and Android Studio.
* What are the hurdles?
  + Decide on IDE and other tools to work with Flutter for the development of the application.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Got acquainted with the software to run the OS simulator for the Fitbit trail that will be worked on for the project
  + Research on the type of ide we will be using either VS code with an extension or android studios with us downloading flutter and dart sdk
  + Get the right for of node.js working which should be node 14.21.3
* What is planned to be done until the next scrum meeting?
  + Begin working on the datastore using firebase and working on the initial UI for the project
* What are the hurdles?
  + time

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

Research on what IDE is best for the project.

* What is planned to be done until the next scrum meeting?
  + Have an IDE ready and more research on other tools for the project.
* What are the hurdles?
  + N/A

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Began doing research on the tools required for the project.
* What is planned to be done until the next scrum meeting?
  + Continue doing research on the tools required for the project and prepare the work environment.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 3

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 6:00pm

End time: 6:30pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Familiarized with Flutter and Android Studio
* What is planned to be done until the next scrum meeting?
  + Getting more familiar with DART
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Installed and began working with Flutter and Android Studio
* What is planned to be done until the next scrum meeting?
  + Continue getting familiar with Flutter.
* What are the hurdles?
  + Ensuring all tools are being integrated properly.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Android studios and flutter were downloaded and the sdk for dart
  + Initial trial on an uncomplicated design for the Fitbit and tutorials were worked on today
* What is planned to be done until the next scrum meeting?
  + Firebase still needs to be investigated and established a fundamental
  + understanding of the software
* What are the hurdles?
  + time

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Learning more about the tools required for the project.
* What is planned to be done until the next scrum meeting?
  + Be one step closer to starting.
* What are the hurdles?
  + No dart and flutter experience

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Began doing research on the tools required for the project.
  + Installed Node.js, Flutter, Android Studio, and the required SDK’s.
* What is planned to be done until the next scrum meeting?
  + Continue doing research on the tools required for the project and prepare the work environment.
* What are the hurdles?
  + No Flutter experience.

## Daily Scrum Meeting 4

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 6:00pm

End time: 6:30pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Installed Flutter on Android Studio
* What is planned to be done until the next scrum meeting?
  + following tutorials to get more confident with Dart
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Continue getting familiar with Flutter.
* What is planned to be done until the next scrum meeting?
  + Work more with Flutter and dart and get started with firebase authentication
* What are the hurdles?
  + N/A

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Android Studio and flutter ide were experimented with today
* What is planned to be done until the next scrum meeting?
  + Firebase still needs to be investigated and established a fundamental
  + understanding of the software
* What are the hurdles?
  + time

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Learning more about the tools required for the project.
* What is planned to be done until the next scrum meeting?
  + Be one step closer to starting.
* What are the hurdles?
  + No dart and flutter experience

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Began doing research on the tools required for the project.
  + Installed Node.js, Flutter, Android Studio, and the required SDK’s.
* What is planned to be done until the next scrum meeting?
  + Continue doing research on the tools required for the project and prepare the work environment.
* What are the hurdles?
  + No Flutter experience.

## Daily Scrum Meeting 5

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 8:30pm

End time: 9:00pm

Roberto di Bari:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Followed tutorials to familiarize myself with Dart

● What is planned to be done until the next scrum meeting?

○ Keep learning about Dart and explore Fitbit SDK

● What are the hurdles?

○ N/a

Piercen Rychlik:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Worked with Flutter and Android Studio.

● What is planned to be done until the next scrum meeting?

○ Begin working with Firebase.

○ Create a simple test application in Flutter.

● What are the hurdles?

○ Poor performance of Android Studio emulator.

Juan Jose Salas Paredes:

● How many hours have I worked since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Android studios and flutter ide were experimented with today

● What is planned to be done until the next scrum meeting?

○ Firebase will still be planned to be messed with hopefully next sprint

● What are the hurdles?

○ Firebase

Percy Gomez Torres:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Practicing the materials needed to start.

● What is planned to be done until the next scrum meeting?

○ Be one step closer to starting.

● What are the hurdles?

○ Little Dart and Flutter experience

Orlando Gonzalez:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Watched tutorials on how to implement Firebase.

● What is planned to be done until the next scrum meeting?

○ Continue doing research on the tools required for the project and prepare the work environment.

● What are the hurdles?

○ No Flutter experience.

## Sprint Backlog Grooming Meeting 1

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:00

End time: 8:30

The following user stories were created/discussed/refined/prioritized.

● Set up GitHub and the project repository.

● Set up Firebase.

The user stories below are completed.

● Ide was established, and SDK was downloaded

● Android Studio environment was installed

● Google Flutter was integrated with Android Studio

● node.js and making the NVM

● Reviewed Fitbit SDK

## Daily Scrum Meeting 6

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Discussed the next sprint
* What is planned to be done until the next scrum meeting?
  + Create a repository for the project and set up Firebase.
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Met with product owner and attended backlog meeting.
* What is planned to be done until the next scrum meeting?
  + Begin working with Firebase and continue working with Flutter and Fitbit SDK.
* What are the hurdles?
  + N/A

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Making the backlog for the last sprint and setting up for the next sprint
* What is planned to be done until the next scrum meeting?
  + Firebase will still be planned to do hopefully next sprint for us
* What are the hurdles?
  + Firebase

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

Making sure the work environment works to start.

* What is planned to be done until the next scrum meeting?
  + Be one step closer to starting.
* What are the hurdles?
  + No Flutter experience.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Created a simple app using Flutter.
* What is planned to be done until the next scrum meeting?
  + Continue doing research on the tools required for the project and prepare the work environment.
* What are the hurdles?
  + No Flutter experience.

## Daily Scrum Meeting 7

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Discussed the next sprint
* What is planned to be done until the next scrum meeting?
  + Create a repository for the project and set up Firebase.
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Met with product owner and attended backlog meeting.
* What is planned to be done until the next scrum meeting?
  + Begin working with Firebase and continue working with Flutter and Fitbit SDK.
* What are the hurdles?
  + N/A

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Making the backlog for the last sprint and setting up for the next sprint
* What is planned to be done until the next scrum meeting?
  + Firebase will still be planned to do hopefully next sprint for us
* What are the hurdles?
  + Firebase

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

Making sure the work environment works to start.

* What is planned to be done until the next scrum meeting?
  + Be one step closer to starting.
* What are the hurdles?
  + No Flutter experience.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Created a simple app using Flutter.
* What is planned to be done until the next scrum meeting?
  + Continue doing research on the tools required for the project and prepare the work environment.
* What are the hurdles?
  + No Flutter experience.

## Daily Scrum Meeting 8

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Familiarize with firebase and flutter

● What is planned to be done until the next scrum meeting?

○ Followed tutorials with firebase and flutter

● What are the hurdles?

○ N/a

Piercen Rychlik:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Reviewed Flutter, Firebase, and Dart.

● What is planned to be done until the next scrum meeting?

○ Continue reviewing required tools.

● What are the hurdles?

○ N/A

Juan Jose Salas Paredes:

● How many hours have I worked since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Catchup meeting for the missed meeting from Tuesday

● What is planned to be done until the next scrum meeting?

○ Firebase and GitHub repo will be managed tomorrow

● What are the hurdles?

○ Firebase

Percy Gomez Torres:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

Firebase setup

● What is planned to be done until the next scrum meeting?

○ Be one step closer to starting.

● What are the hurdles?

○ No Flutter experience.

Orlando Gonzalez:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Started working on the login page, and implemented Firebase to sign users in.

● What is planned to be done until the next scrum meeting?

○ Create a register page so users can sign up using either email, google or

apple.

● What are the hurdles?

○ No Flutter experience

## Daily Scrum Meeting 9

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Setting up repository and firebase
* What is planned to be done until the next scrum meeting?
  + Familiarize with firebase and flutter
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Installed Firebase CLI and read the Firebase documentation.
* What is planned to be done until the next scrum meeting?
  + Create a basic app in Flutter and experiment with Firebase.
* What are the hurdles?
  + Finding most useful Firebase tools to use for the project.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Continue to get familiar with firebase and reading its documentation
* What is planned to be done until the next scrum meeting?
  + Firebase and GitHub repo started
* What are the hurdles?
  + Firebase

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

Making sure the work environment works to start.

* What is planned to be done until the next scrum meeting?
  + Be one step closer to starting.
* What are the hurdles?
  + No Flutter experience.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Started researching on Firebase.
* What is planned to be done until the next scrum meeting?
  + Continue doing research on the tools required for the project and prepare the work environment.
* What are the hurdles?
  + No Flutter experience.

## Daily Scrum Meeting 10

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Familiarize with firebase and flutter
* What is planned to be done until the next scrum meeting?
  + Followed tutorials with firebase and flutter
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reviewed Flutter, Firebase, and Dart.
* What is planned to be done until the next scrum meeting?
  + Continue reviewing required tools.
* What are the hurdles?
  + N/A

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Continue to be getting familiar with firebase and reading its documentation
* What is planned to be done until the next scrum meeting?
  + Firebase and GitHub repo will be managed tomorrow
* What are the hurdles?
  + Firebase

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

Firebase setup

* What is planned to be done until the next scrum meeting?
  + Be one step closer to starting.
* What are the hurdles?
  + No Flutter experience.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Continue researching on Firebase and how to implement it in a Flutter application.
* What is planned to be done until the next scrum meeting?
  + Continue doing research on the tools required for the project and prepare the work environment.
* What are the hurdles?
  + No Flutter experience.

## Sprint Retrospective Meeting 1

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 9:30

End time: 10:00

What went wrong?

* Did we do an excellent job estimating our team's velocity?
  + Yes, the task at hand for the first 2 weeks of establishing the team and making of ide and set up was established.
* Did we do an excellent job estimating the points (time required) for each user story?
  + Some what we got to talk and understand what the project at hand was going to be done with.
* Did each team member work as scheduled?
  + Yes, each member was taken to work together.

What went right?

* Everything

How to address the issues in the next sprint?

* How to improve the process?
  + Probably working more and better connection to the project owner.
* How to improve the product?
  + More connection.

## Sprint Review Meeting 1

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 4.00 pm

End time: 4.30 pm

After discussion, the velocity of the team was estimated to be 20 hours

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

* User Story 1: Research movement that can be detected from Fitbit that helps underline key features of different disease solutions or improve current health status
* User Story 2: Establish a Firebase database connection with the Fitbit app

The whole team members indicated their willingness to work on the following user stories.

* User Story 1: Research movement that can be detected from Fitbit that helps underline key features of different disease solution
* User Story 2: Establish a Firebase database connection with the Fitbit app

# Sprint 2

## Sprint Planning Meeting 2

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 4.00 pm

End time: 4.30 pm

After discussion, the velocity of the team was estimated to be 20 hours

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

* User Story 1: Research movement that can be detected from Fitbit that helps underline key features of different disease solutions or improve current health status
* User Story 2: Establish a Firebase database connection with the Fitbit app

The whole team members indicated their willingness to work on the following user stories.

* User Story 1: Research movement that can be detected from Fitbit that helps underline key features of different disease solution
* User Story 2: Establish a Firebase database connection with the Fitbit app

## Daily Scrum Meeting 1

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 8:30 pm End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  1. 2
* What was done since the last scrum meeting?
  1. Planned next sprint
* What is planned to be done until the next scrum meeting?
  1. Research Fitbit movement detection that can be utilized ● What are the hurdles?

○ N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  1. 2
* What was done since the last scrum meeting?
  1. Met with product owner and planned next sprint.
* What is planned to be done until the next scrum meeting?
  1. Begin working with Fitbit devices firsthand and begin tracking accelerometer data.
* What are the hurdles?
  1. N/A

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  1. 2
* What was done since the last scrum meeting?
  1. Did the daily meeting and planning
* What is planned to be done until the next scrum meeting?
  1. Firebase and GitHub repo will be managed tomorrow What are the hurdles? ○ Firebase

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  1. 2
* What was done since the last scrum meeting?

Plan the next sprint

* What is planned to be done until the next scrum meeting?
  1. Be one step closer to starting.
* What are the hurdles?
  1. No Flutter experience.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  1. 2
* What was done since the last scrum meeting?
  1. Continue working on the login and signup page.
* What is planned to be done until the next scrum meeting?
  1. Create a register page so users can sign up using either email, google or apple.
* What are the hurdles?
  1. N/A

## Daily Scrum Meeting 2

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Researched Fitbit motion detection

● What is planned to be done until the next scrum meeting?

○ Keep Researching Fitbit movement detection that can be utilized

● What are the hurdles?

○ N/a

Piercen Rychlik:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Began trying to read accelerometer data from Fitbit.

● What is planned to be done until the next scrum meeting?

○ Continue working with accelerometer.

○ Test code on physical device instead of the Fitbit simulator.

● What are the hurdles?

○ Accelerometer event listener not working properly.

Juan Jose Salas Paredes:

● How many hours have I worked since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Started the research for the data storage and making a clone of the repository to

my device

● What is planned to be done until the next scrum meeting?

○ Firebase and GitHub repo will be managed tomorrow

● What are the hurdles?

○ Firebase

Percy Gomez Torres:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

Learning firebase

● What is planned to be done until the next scrum meeting?

○ Finish the user stories for this sprint.

● What are the hurdles?

○ No Flutter experience.

Orlando Gonzalez:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Register page frontend was finished.

● What is planned to be done until the next scrum meeting?

○ Create a register page so users can sign up using either email, google or apple.

● What are the hurdles?

○ N/A

## Daily Scrum Meeting 3

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Researched Fitbit motion detection

● What is planned to be done until the next scrum meeting?

○ Keep Researching Fitbit movement detection that can be utilized

● What are the hurdles?

○ N/a

Piercen Rychlik:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Began trying to read accelerometer data from Fitbit.

● What is planned to be done until the next scrum meeting?

○ Continue working with accelerometer.

○ Test code on physical device instead of the Fitbit simulator.

● What are the hurdles?

○ Accelerometer event listener not working properly.

Juan Jose Salas Paredes:

● How many hours have I worked since the last meeting?

○ 1

● What was done since the last scrum meeting?

○ Team was logged into the branch and fire base is being worked on

● What is planned to be done until the next scrum meeting?

○ Firebase and GitHub repo will be managed tomorrow

● What are the hurdles?

○ Firebase

Percy Gomez Torres:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

Learning firebase

● What is planned to be done until the next scrum meeting?

○ Finish the user stories for this sprint.

● What are the hurdles?

○ No Flutter experience.

Orlando Gonzalez:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Created Google sign in button.

● What is planned to be done until the next scrum meeting?

○ Create a register page so users can sign up using either email, google or apple.

● What are the hurdles?

○ N/A

## Daily Scrum Meeting 4

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Cloned the gilt repo

● What is planned to be done until the next scrum meeting?

○ Familiarized with repo firebase and Fitbit app

● What are the hurdles?

○ N/a

Piercen Rychlik:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Worked with Fitbit devices and updated Git repository.

● What is planned to be done until the next scrum meeting?

○ Properly get app working on device.

● What are the hurdles?

○ Issues with Fitbit developer accounts.

Juan Jose Salas Paredes:

● How many hours have I worked since the last meeting?

○ 1

● What was done since the last scrum meeting?

○ Team was logged into the branch and directories were made and Fitbit worked on

for pairing

● What is planned to be done until the next scrum meeting?

○ Firebase and GitHub repo will be managed tomorrow

● What are the hurdles?

○ Firebase

Percy Gomez Torres:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

Learning firebase

● What is planned to be done until the next scrum meeting?

○ Finish the user stories for this sprint.

● What are the hurdles?

○ No Flutter experience.

Orlando Gonzalez:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Continue working on the Google sign in button.

● What is planned to be done until the next scrum meeting?

○ Create a register page so users can sign up using either email, google or apple.

● What are the hurdles?

○ N/A

## Backlog Grooming Meeting 2

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 8:00

End time: 8:30

The following user stories were created/discussed/refined/prioritized.

● Refine a user-based app

● Work on back-end activities

● Have a bases on all the devices

● Researching on the making a connection from the app to the watch for the application

The user stories below are completed.

● Ide was established, and SDK was downloaded

● Android Studio environment was installed

● Google Flutter was integrated with Android Studio

● node.js and making the NVM

● Reviewed Fitbit SDK

## Daily Scrum Meeting 5

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Set up git hub repo

● What is planned to be done until the next scrum meeting?

○ Start design and implementation of the app

● What are the hurdles?

○ N/a

Piercen Rychlik:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Met with product owner. Planned second half of sprint.

● What is planned to be done until the next scrum meeting?

○ Find serial numbers of Fitbit devices.

○ Begin frontend of mobile app.

● What are the hurdles?

○ N/A

Juan Jose Salas Paredes:

● How many hours have I worked since the last meeting?

○ 1

● What was done since the last scrum meeting?

○ Figuring out the paring

○ Work on the front end of the app

○ Have a display working for the user by next sprint

○ And also have a back end connected with more progress

● What is planned to be done until the next scrum meeting?

○ Firebase

● What are the hurdles?

○ Firebase

Percy Gomez Torres:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

Starting part of the project

● What is planned to be done until the next scrum meeting?

○ Start working on the exercise page.

● What are the hurdles?

Learning as we go.

Orlando Gonzalez:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Google sign in button done, linked to the Firebase project for authentication.

● What is planned to be done until the next scrum meeting?

○ Forgot password feature.

● What are the hurdles?

○ N/A

## Daily Scrum Meeting 6

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Set up git hub repo

● What is planned to be done until the next scrum meeting?

○ Start design and implementation of the app

● What are the hurdles?

○ N/a

Piercen Rychlik:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Evaluated Fitbit devices and obtained device serial numbers.

○ Updated and troubleshooted Flutter/Dart with Android Studio.

● What is planned to be done until the next scrum meeting?

○ Begin frontend of mobile app.

● What are the hurdles?

○ N/A

Juan Jose Salas Paredes:

● How many hours have I worked since the last meeting?

○ 1

● What was done since the last scrum meeting?

○ Worked on seeing which devices had a pair and what each serial number for

each

○ Initiated the simulation for each app for the phone

○ Plan for tomorrows front end work

● What is planned to be done until the next scrum meeting?

○ Firebase

● What are the hurdles?

○ Firebase

Percy Gomez Torres:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

Starting part of the project

● What is planned to be done until the next scrum meeting?

○ Start working on the exercise page.

● What are the hurdles?

Learning as we go.

Orlando Gonzalez:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Worked on Forgot Password feature.

● What is planned to be done until the next scrum meeting?

○ Create a Profile page.

● What are the hurdles?

○ Apple developer account is required to implement Apple sign in option

## Daily Scrum Meeting 7

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Set up git hub repo
* What is planned to be done until the next scrum meeting?
  + Start design and implementation of the app
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Updated profile page.
* What is planned to be done until the next scrum meeting?
  + Work on exercise page.
* What are the hurdles?
  + N/A

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 1
* What was done since the last scrum meeting?
  + Assisted in simulating the height and weight for the profile bio for the app
* What is planned to be done until the next scrum meeting?
  + Making the activities page for the exercise for the watch
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

Setting up exercise page

* What is planned to be done until the next scrum meeting?
  + Be mostly done with exercise page
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Working on Profile page.
* What is planned to be done until the next scrum meeting?
  + Create a Profile page.
* What are the hurdles?
  + Apple developer account is required to implement Apple sign in option.

## Daily Scrum Meeting 8

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Worked on front end of app

● What is planned to be done until the next scrum meeting?

● What are the hurdles?

○ N/a

Piercen Rychlik:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Continued working on app frontend.

● What is planned to be done until the next scrum meeting?

○ Resolve issues with devices.

○ Continue finishing on front end of the mobile app.

● What are the hurdles?

○ N/A

Juan Jose Salas Paredes:

● How many hours have I worked since the last meeting?

○ 1

● What was done since the last scrum meeting?

○ Started on the new page for the activities

● What is planned to be done until the next scrum meeting?

○ Making the activities page for the exercise for the watch

● What are the hurdles?

○ flutter

Percy Gomez Torres:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

Setting up exercise page

● What is planned to be done until the next scrum meeting?

○ Be mostly done with exercise page

● What are the hurdles?

Learning as we go.

Orlando Gonzalez:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Keep working on the Profile page.

● What is planned to be done until the next scrum meeting?

○ Create a Profile page.

● What are the hurdles?

○ Apple developer account is required to implement Apple sign in option.

## Daily Scrum Meeting 9

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Worked on front end of app

● What is planned to be done until the next scrum meeting?

○ Keep working on front end

● What are the hurdles?

○ N/a

Piercen Rychlik:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Troubleshooted Fitbit devices in the lab.

● What is planned to be done until the next scrum meeting?

○ Work on mobile app exercise page.

○ Begin work on Fitbit functionality.

● What are the hurdles?

○ Issues with Fitbit developer accounts.

Juan Jose Salas Paredes:

● How many hours have I worked since the last meeting?

○ 1

● What was done since the last scrum meeting?

○ Started on the new page for the activities made the initial page and testing the

button functionality and the layout

● What is planned to be done until the next scrum meeting?

○ Making the activities page for the exercise for the watch

● What are the hurdles?

○ flutter

Percy Gomez Torres:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

Setting up exercise page

● What is planned to be done until the next scrum meeting?

○ Be mostly done with exercise page

● What are the hurdles?

Learning as we go.

Orlando Gonzalez:

● How many hours did I work since the last meeting?

○ 2

● What was done since the last scrum meeting?

○ Keep working on the Profile page.

● What is planned to be done until the next scrum meeting?

○ Create a Profile page.

● What are the hurdles?

○ Apple developer account is required to implement Apple sign in option.

## Sprint Retrospective Meeting 2

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 9:30

End time: 10:00

What went wrong?

● Did we do an excellent job estimating our team's velocity?

○ Yes, we did an excellent job estimating our team's velocity. Our planning and

understanding of what the team could manage were on point.

● Did we do an excellent job estimating the points (time required) for each user story?

○ Yes, we assigned the right amount of time for each task.

● Did each team member work as scheduled?

○ Yes, each member worked as expected.

What went right?

● Everything

How to address the issues in the next sprint?

● How to improve the process?

○ Communicate more with product owner and teammates.

○ Clearly delegate tasks.

● How to improve the product?

○ Tweak existing work.

## Sprint Review Meeting 2

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes,

Percy Erick Gomez Torres

Start time: 9:00

End time: 9:30

After a show and tell presentation, the implementation of the following user stories was

accepted by the product owners:

● User Story 1: Implement the front-end of the mobile application

● User Story 2: Understanding how to utilize and connect fit bit information from

Fit-Bit sensor to mobile application

The following ones were rejected and moved back to the product backlog to be assigned to a

future sprint at a future.

# Sprint 3

## Sprint Planning Meeting 3

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 10.00 pm

End time: 10.30 pm

After discussion, the velocity of the team was estimated to be 20 hours

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

* User Story 1: Keep working on the front-end mobile application
* User Story 2: Understanding how to utilize and connect fit bit information from Fit-Bit sensor to mobile application

The whole team members indicated their willingness to work on the following user stories.

* User Story 1:  Research movement that can be detected from Fitbit that helps underline key features of different disease solution
* User Story 2: Establish a Firebase database connection with the Fitbit app

## Daily Scrum Meeting 1

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Attended planning meeting and prepared for next sprint.
* What is planned to be done until the next scrum meeting?
  + Complete activity page and begin work on Fitbit side.
* What are the hurdles?
  + N/A.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 1
* What was done since the last scrum meeting?
  + Demo was done for front end work to the product owner as well as talking about the process to be taken in this week for the making the devices connect fully to a developer account
  + Activity page needs finalization and work done on the sprint planning for the week
* What is planned to be done until the next scrum meeting?
  + Making the activities page for the exercise for the watch
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

       Setting up exercise page

* What is planned to be done until the next scrum meeting?
  + Be mostly done with exercise page
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Keep working on the Profile page.
* What is planned to be done until the next scrum meeting?
  + Create a Profile page.
* What are the hurdles?
  + Apple developer account is required to implement Apple sign in option.

## Daily Sprint Meeting 2

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on frontend of mobile side.
* What is planned to be done until the next scrum meeting?
  + Continue with app side and begin designing Fitbit side.
* What are the hurdles?
  + N/A.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 1
* What was done since the last scrum meeting?
  + Demo was done for front end work to the product owner as well as talking about the process to be taken in this week for the making the devices connect fully to a developer account
  + Activity page needs finalization and work done on the sprint planning for the week
* What is planned to be done until the next scrum meeting?
  + Making the activities page for the exercise for the watch
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

       Setting up exercise page

* What is planned to be done until the next scrum meeting?
  + Be mostly done with exercise page
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Profile page is done. Started working on the mobile app home page.
* What is planned to be done until the next scrum meeting?
  + Create the Home page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 3

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on and reviewed activity page.
* What is planned to be done until the next scrum meeting?
  + Continue to work on activity page.
* What are the hurdles?
  + N/A.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 1
* What was done since the last scrum meeting?
  + Demo was done for front end work to the product owner as well as talking about the process to be taken in this week for the making the devices connect fully to a developer account
  + Activity page needs finalization and work done on the sprint planning for the week
* What is planned to be done until the next scrum meeting?
  + Making the activities page for the exercise for the watch
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

       Working on exercise

* What is planned to be done until the next scrum meeting?
  + Have the exercise page
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Continue working on the home page.
* What is planned to be done until the next scrum meeting?
  + Create the Home page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 4

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on and reviewed activity page.
* What is planned to be done until the next scrum meeting?
  + Continue to work on activity page.
* What are the hurdles?
  + N/A.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 1
* What was done since the last scrum meeting?
  + Demo was done for front end work to the product owner as well as talking about the process to be taken in this week for the making the devices connect fully to a developer account
  + Activity page needs finalization and work done on the sprint planning for the week
* What is planned to be done until the next scrum meeting?
  + Making the activities page for the exercise for the watch
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

       Working on exercise page

* What is planned to be done until the next scrum meeting?
  + Have the exercise page worked on
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Continue working on the home page.
* What is planned to be done until the next scrum meeting?
  + Create the Home page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 5

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reviewed Fitbit APIs and researched Fitbit Communications APIs.
* What is planned to be done until the next scrum meeting?
  + Begin work on the login screen for the Fitbit side.
* What are the hurdles?
  + N/A.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 1
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

       Working on exercise page

* What is planned to be done until the next scrum meeting?
  + Have the exercise page worked on
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Continue working on the home page.
* What is planned to be done until the next scrum meeting?
  + Create the Home page.
* What are the hurdles?
  + N/A

## Sprint Backlog Grooming Meeting 3

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:00

End time: 8:30

The following user stories were created/discussed/refined/prioritized.

* Refine a user-based app
* Work on back-end activities
* Have a bases on all the devices
* Researching on the making a connection from the app to the watch for the application

The user stories below are completed.

* Ide was established and SDK was downloaded
* Android Studio environment was installed
* Google Flutter was integrated with Android Studio
* node.js and making the NVM
* Reviewed Fitbit SDK

## Daily Scrum Meeting 6

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reviewed Fitbit APIs and researched Fitbit Communications APIs.
* What is planned to be done until the next scrum meeting?
  + Begin work on the login screen for the Fitbit side.
* What are the hurdles?
  + N/A.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 1
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

       Working on exercise page

* What is planned to be done until the next scrum meeting?
  + Have the exercise page worked on
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Started working on the instruction page.
* What is planned to be done until the next scrum meeting?
  + Complete instruction page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 7

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reviewed Fitbit APIs and researched Fitbit Communications APIs.
* What is planned to be done until the next scrum meeting?
  + Begin work on the login screen for the Fitbit side.
* What are the hurdles?
  + N/A.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 1
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

       Working on exercise page

* What is planned to be done until the next scrum meeting?
  + Have the exercise page worked on
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Started working on the instruction page.
* What is planned to be done until the next scrum meeting?
  + Complete instruction page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 8

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm

End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Troubleshooted Fitbit devices and attempted to run existing code on Versa 2.
* What is planned to be done until the next scrum meeting?
  + Begin creating Fitbit app UI elements.
* What are the hurdles?
  + Issues running code on Versa 2.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

       Working on exercise page

* What is planned to be done until the next scrum meeting?
  + Have the exercise page worked on
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Started working on the instruction page.
* What is planned to be done until the next scrum meeting?
  + Complete instruction page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 9

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:30 pm End time: 9:00 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Created starter UI elements for the Fitbit App.
* What is planned to be done until the next scrum meeting?
  + Add event listeners and record readings.
* What are the hurdles?
  + Waiting on device to be untethered from previous dev account.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting? Working on exercise page
* What is planned to be done until the next scrum meeting?
  + Have the exercise page worked on
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Started working on the instruction page.
* What is planned to be done until the next scrum meeting?
  + Complete instruction page.
* What are the hurdles?
  + N/A

## Sprint Retrospective Meeting 3

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:30

End time: 8:00

What went wrong?

* Did we do an excellent job estimating our team's velocity?
  + Yes, we did an excellent job estimating our team's velocity. Our planning and understanding of what the team could manage were on point.
* Did we do an excellent job estimating the points (time required) for each user story?
  + Yes, we assigned the right amount of time for each task.
* Did each team member work as scheduled?
  + Yes, each member worked as expected.

What went right?

* Everything

How to address the issues in the next sprint?

* How to improve the process?
  + Communicate more with product owner and teammates.
  + Clearly delegate tasks.
* How to improve the product?
  + Tweak existing work.

## Sprint Review Meeting 3

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:00

End time: 8:30

After a show and tell presentation, the product owners accepted the implementation of the following user stories:

* + User Story 1: Implement the front-end of the mobile application
  + User Story 2: Understanding how to utilize and connect fit bit information from Fit-Bit sensor to mobile application

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting.

N/A

# Sprint 4

## Sprint Planning Meeting 4

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 6:30 pm

End time: 7:00 pm

After discussion, the velocity of the team was estimated to be 20 hours

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

* User Story 1: Keep working on the front-end mobile application
* User Story 2: Understanding how to utilize and connect fit bit information from Fit-Bit sensor to mobile application

The whole team members indicated their willingness to work on the following user stories.

* User Story 1:  Research movement that can be detected from Fitbit that helps underline key features of different disease solution
* User Story 2: Establish a Firebase database connection with the Fitbit app

## Daily Scrum Meeting 1

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Created starter UI elements for the Fitbit App.
* What is planned to be done until the next scrum meeting?
  + Add event listeners and record readings.
* What are the hurdles?
  + Waiting on device to be untethered from previous dev account.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Final changes to the instruction page.
* What is planned to be done until the next scrum meeting?
  + Complete instruction page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 2

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Created event listeners on Fitbit side for device sensors.
* What is planned to be done until the next scrum meeting?
  + Send readings to mobile app.
* What are the hurdles?
  + Waiting on device to be untethered from previous dev account.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Final changes to the instruction page.
* What is planned to be done until the next scrum meeting?
  + Complete instruction page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 3

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Evaluated sensor event listeners on device.
* What is planned to be done until the next scrum meeting?
  + Send readings to mobile app.
* What are the hurdles?
  + Firebase.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Final changes to the instruction page.
* What is planned to be done until the next scrum meeting?
  + Complete instruction page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 4

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Evaluated sensor event listeners on device.
* What is planned to be done until the next scrum meeting?
  + Send readings to mobile app.
* What are the hurdles?
  + Firebase.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Final changes to the instruction page.
* What is planned to be done until the next scrum meeting?
  + Complete instruction page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 5

**Daily Scrum Meeting Minutes:**

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on front end of app
* What is planned to be done until the next scrum meeting?
  + Keep working on front end
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Evaluated sensor event listeners on device.
* What is planned to be done until the next scrum meeting?
  + Send readings to mobile app.
* What are the hurdles?
  + Firebase.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Final changes to the instruction page.
* What is planned to be done until the next scrum meeting?
  + Complete instruction page.
* What are the hurdles?
  + N/A

## Backlog Grooming Meeting 4

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:00

End time: 8:30

The following user stories were created/discussed/refined/prioritized.

* Refine a user-based app
* Work on back-end activities
* Have a bases on all the devices
* Researching on the making a connection from the app to the watch for the application

The user stories below are completed.

* Ide was established and SDK was downloaded
* Android Studio environment was installed
* Google Flutter was integrated with Android Studio
* node.js and making the NVM
* Reviewed Fitbit SDK

## Daily Scrum Meeting 6

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + flutter connection to the watch
* What is planned to be done until the next scrum meeting?
  + Solve problems with the flutter connection
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Evaluated sensor event listeners on device.
* What is planned to be done until the next scrum meeting?
  + Send readings to mobile app.
* What are the hurdles?
  + Firebase.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Final changes to the instruction page.
* What is planned to be done until the next scrum meeting?
  + Complete instruction page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 7

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + flutter connection to the watch
* What is planned to be done until the next scrum meeting?
  + Solve problems with the flutter connection
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked with devices in the lab.
* What is planned to be done until the next scrum meeting?
  + Send sensor readings to the mobile app.
* What are the hurdles?
  + Figuring out how to communicate between device and app.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Started working on the Fitbit to transfer the data from it to the mobile application.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 8

**Daily Scrum Meeting Minutes:**

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + flutter connection to the watch
* What is planned to be done until the next scrum meeting?
  + Solve problems with the flutter connection
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked with devices in the lab.
* What is planned to be done until the next scrum meeting?
  + Send sensor readings to the mobile app.
* What are the hurdles?
  + Figuring out how to communicate between device and app.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Started working on the Fitbit to transfer the data from it to the mobile application.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 9

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + flutter connection to the watch
* What is planned to be done until the next scrum meeting?
  + Solve problems with the flutter connection
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked with devices in the lab.
* What is planned to be done until the next scrum meeting?
  + Send sensor readings to the mobile app.
* What are the hurdles?
  + Figuring out how to communicate between device and app.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Reading into gestures module and flutter connection to the watch
* What is planned to be done until the next scrum
  + Checking into Fitbit email to see if Fitbit responded and the next sprint meeting
* What are the hurdles?
  + flutter

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Started working on the Fitbit to transfer the data from it to the mobile application.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 10

**Daily Scrum Meeting Minutes:**

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + flutter connection to the watch
* What is planned to be done until the next scrum meeting?
  + Solve problems with the flutter connection
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked with devices in the lab.
* What is planned to be done until the next scrum meeting?
  + Send sensor readings to the mobile app.
* What are the hurdles?
  + Figuring out how to communicate between device and app.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Looking into the WebSocket for the server of the server and finishing with the first exercise
* What is planned to be done until the next scrum
  + Finalizing the first exercise
* What are the hurdles?
  + Repeating what was done on the first exercise and finishing the other exercise

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Keep working on the exercises.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Sprint Retrospective Meeting 4

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:30

End time: 8:00

What went wrong?

* Did we do an excellent job estimating our team's velocity?
  + Yes, we did an excellent job estimating our team's velocity. Our planning and understanding of what the team could manage were on point.
* Did we do an excellent job estimating the points (time required) for each user story?
  + Yes, we assigned the right amount of time for each task.
* Did each team member work as scheduled?
  + Yes, each member worked as expected.

What went right?

* Everything

How to address the issues in the next sprint?

* How to improve the process?
  + Communicate more with product owner and teammates.
  + Clearly delegate tasks.
* How to improve the product?
  + Tweak existing work.

## Sprint Review Meeting 4

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:00

End time: 8:30

After a show and tell presentation, the product owners accepted the implementation of the following user stories:

* User Story 1: final implementation on the device and having the first exercise working along with the final cover on the app for the phone
* User Story 2:  Understanding how to utilize and connect fit bit information from Fit-Bit sensor to mobile application

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting.

N/A

# Sprint 5

## Sprint Planning Meeting 5

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 6:30 pm End time: 7:00 pm

After discussion, the velocity of the team was estimated to be 20 hours

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

* User Story 1: Keep working on the front-end mobile application
* User Story 2: Understanding how to utilize and connect fit bit information from Fit-Bit sensor to mobile application

The whole team members indicated their willingness to work on the following user stories.

* User Story 1: Research movement that can be detected from Fitbit that helps underline key features of different disease solution
* User Story 2: Establish a Firebase database connection with the Fitbit app

## Daily Scrum Meeting 1

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on front end
* What is planned to be done until the next scrum meeting?
  + Improve features recommended from professor
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked with devices in the lab.
* What is planned to be done until the next scrum meeting?
  + Send sensor readings to the mobile app.
* What are the hurdles?
  + Figuring out how to communicate between device and app.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Looking into the WebSocket for the server of the server and finishing with the first exercise
* What is planned to be done until the next scrum
  + Finalizing the first exercise
* What are the hurdles?
  + Repeating what was done on the first exercise and finishing the other exercise

Percy Gomez Torres:

* How many hours did I work since the last meeting?  
  + 2
* What was done since the last scrum meeting? Received a device needed for the project
* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Keep working on the exercises.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 2

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on front end
* What is planned to be done until the next scrum meeting?
  + Improve features recommended from professor
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked with devices in the lab.
* What is planned to be done until the next scrum meeting?
  + Send sensor readings to the mobile app.
* What are the hurdles?
  + Figuring out how to communicate between device and app.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Looking into the WebSocket for the server of the server and finishing with the first exercise
* What is planned to be done until the next scrum
  + Finalizing the first exercise
* What are the hurdles?
  + Repeating what was done on the first exercise and finishing the other exercise

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Keep working on the exercises.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 3

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on front end
* What is planned to be done until the next scrum meeting?
  + Improve features recommended from professor
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked with devices in the lab.
* What is planned to be done until the next scrum meeting?
  + Send sensor readings to the mobile app.
* What are the hurdles?
  + Figuring out how to communicate between device and app.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Looking into the WebSocket for the server of the server and finishing with the first exercise
* What is planned to be done until the next scrum
  + Finalizing the first exercise
* What are the hurdles?
  + Repeating what was done on the first exercise and finishing the other exercise

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Keep working on the exercises.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 4

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on front end
* What is planned to be done until the next scrum meeting?
  + Improve features recommended from professor
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked with devices in the lab.
* What is planned to be done until the next scrum meeting?
  + Send sensor readings to the mobile app.
* What are the hurdles?
  + Figuring out how to communicate between device and app.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Looking into the WebSocket for the server of the server and finishing with the first exercise
* What is planned to be done until the next scrum
  + Finalizing the first exercise
* What are the hurdles?
  + Repeating what was done on the first exercise and finishing the other exercise

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Keep working on the exercises.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 5

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on front end
* What is planned to be done until the next scrum meeting?
  + Improve features recommended from professor
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked with devices in the lab.
* What is planned to be done until the next scrum meeting?
  + Send sensor readings to the mobile app.
* What are the hurdles?
  + Figuring out how to communicate between device and app.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Looking into the WebSocket for the server of the server and finishing with the first exercise
* What is planned to be done until the next scrum
  + Finalizing the first exercise
* What are the hurdles?
  + Repeating what was done on the first exercise and finishing the other exercise

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Received a device needed for the project

* What is planned to be done until the next scrum meeting?
* Work on Fitbit
* What are the hurdles?

Learning as we go.

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Keep working on the exercises.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Backlog Grooming Meeting 5

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 3:00

End time: 3:30

The following user stories were created/discussed/refined/prioritized.

* Refine a user-based app
* Work on back-end activities
* Have a bases on all the devices
* Researching on the making a connection from the app to the watch for the application

The user stories below are completed.

* Ide was established and SDK was downloaded
* Android Studio environment was installed
* Google Flutter was integrated with Android Studio
* node.js and making the NVM
* Reviewed Fitbit SDK

## Daily Scrum Meeting 6

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 1:00 pm

End time: 1:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on front end
* What is planned to be done until the next scrum meeting?
  + Improve features recommended from professor
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked with devices in the lab.
* What is planned to be done until the next scrum meeting?
  + Send sensor readings to the mobile app.
* What are the hurdles?
  + Figuring out how to communicate between device and app.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Refixing the activity and finishing the other activity did the scrum talk with the Project owner
* What is planned to be done until the next scrum
  + Finishing the upcoming project and start on the making of the presentation for the final day
* What are the hurdles?
  + Timing

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Working on the first exercise

* What is planned to be done until the next scrum meeting?
* Work on final changes in the demo, and work on PowerPoint presentation.
* What are the hurdles?

Time

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Keep working on the exercises.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 7

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on front end
* What is planned to be done until the next scrum meeting?
  + Improve features recommended from professor
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Began developing range of motion exercise.
* What is planned to be done until the next scrum meeting?
  + Continue developing range of motion exercise and test on device.
* What are the hurdles?
  + N/A.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on the finalizing of the about page adding the product owner
* What is planned to be done until the next scrum
  + Finishing the upcoming project and start on the making of the presentation for the final day
* What are the hurdles?
  + Timing

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Working on the first exercise

* What is planned to be done until the next scrum meeting?
* Work on final changes in the demo, and work on PowerPoint presentation.
* What are the hurdles?

Time

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on the exercise page and history page.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 8

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on front end
* What is planned to be done until the next scrum meeting?
  + Improve features recommended from professor
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Continued developing exercise.
* What is planned to be done until the next scrum meeting?
  + Finish exercise and update Fitbit app background.
* What are the hurdles?
  + Learning FL Chart for Flutter.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on the finalizing of the about page adding the product owner
* What is planned to be done until the next scrum
  + Finishing the upcoming project and start on the making of the presentation for the final day
* What are the hurdles?
  + Timing

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Working on the first exercise

* What is planned to be done until the next scrum meeting?
* Work on final changes in the demo, and work on PowerPoint presentation.
* What are the hurdles?

Time

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on the exercise page and history page.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 9

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on front end
* What is planned to be done until the next scrum meeting?
  + Improve features recommended from professor
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Exercise completed.
* What is planned to be done until the next scrum meeting?
  + Add background to Fitbit app.
* What are the hurdles?
  + N/A.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on the finalizing of the about page adding the product owner
* What is planned to be done until the next scrum
  + Finishing the upcoming project and start on the making of the presentation for the final day
* What are the hurdles?
  + Timing

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Working on the first exercise

* What is planned to be done until the next scrum meeting?
* Work on final changes in the demo, and work on PowerPoint presentation.
* What are the hurdles?

Time

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on the exercise page and history page.
* What is planned to be done until the next scrum meeting?
  + Have a working activity page.
* What are the hurdles?
  + N/A

## Daily Scrum Meeting 10

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:00 pm

End time: 7:30 pm

Roberto di Bari:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Work on front end
* What is planned to be done until the next scrum
  + N/a
* What are the hurdles?
  + N/a

Piercen Rychlik:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Updated Fitbit app background.
* What is planned to be done until the next scrum meeting?
  + N/A.
* What are the hurdles?
  + N/A.

Juan Jose Salas Paredes:

* How many hours have I worked since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Finished about page and added product owner and team members
* What is planned to be done until the next scrum
  + Finishing the upcoming project and start on the making of the presentation for the final day
* What are the hurdles?
  + Timing

Percy Gomez Torres:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?

      Working on the first exercise

* What is planned to be done until the next scrum meeting?
* Work on final changes in the demo, and work on PowerPoint presentation.
* What are the hurdles?

Time

Orlando Gonzalez:

* How many hours did I work since the last meeting?
  + 2
* What was done since the last scrum meeting?
  + Worked on the last exercise and history page.
* What is planned to be done until the next scrum meeting?
  + Final changes to the application.
* What are the hurdles?
  + N/A

## Sprint Retrospective Meeting 5

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 7:30

End time: 8:00

What went wrong?

* Did we do an excellent job estimating our team's velocity?
  + Yes, we did an excellent job estimating our team's velocity. Our planning and understanding of what the team could manage were on point.
* Did we do an excellent job estimating the points (time required) for each user story?
  + Yes, we assigned the right amount of time for each task.
* Did each team member work as scheduled?
  + Yes, each member worked as expected.

What went right?

* Everything

How to address the issues in the next sprint?

* How to improve the process?
  + Communicate more with product owner and teammates.
  + Clearly delegate tasks.
* How to improve the product?
  + Tweak existing work.

## Sprint Review Meeting 5

Attendees: Orlando Gonzalez, Roberto di Bari, Piercen Rychlik, Juan Jose Salas Paredes, Percy Erick Gomez Torres

Start time: 8:00

End time: 8:30

After a show and tell presentation, the product owners accepted the implementation of the following user stories:

* User Story 1: Final implementation on the device and having the application completed.

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Sprint Planning meeting.

N/A