**SETSTATS**

A picture containing antenna

Description automatically generated

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etc

**Hardware**

Detail the hardware required

Detail how the hardware will be connected (have to use appropriate diagrams)

Detail how we will power it and how we will connect it to the internet

Is it mobile?

**Data**

Detail what data we will be gathering by our device

How the data will be gathered

How we are going to be processing the data collected

How the device and data are going to be secured

Frequency with which each sessor can record a value and how the sensors work

Api’s to be detailed here if we use them

How cron will be used to process the data, listing the cron jobs that will be run

Detail security, how will we ensure that the data is secure (data transferred between the device and a server and while in storage)

**User Interface**

Paper prototype

How users connect

What data is available to the users

What functionality they have to view and interrogate the data

**Users**

Use case etc (have at least one solid use case)

End users, who are our users? How will they use what we develop (app and device (device setup?))

Create user personas and user stories (have 4? One of each category: new, experienced, pro, injured)

**Testing**

Test is going to be divided in two parts.

First the code and the hardware need to be tested individually and secondly the actual usage and functionality of the measurement needs to be tested as well.

The code of the application can and will be tested by JUnit-Tests to make sure the functions work as intended and to make resolving problems as easy as possible in the future

Testing the functionality of the app is done by people in the gym trying out the application. We ask strangers or friends to take a part in our testing program and let them use the application on their own. This not only helps to test the functionality, but it also helps to figure out if the layout and design of the app is easy to understand for everybody. To test all use-cases of the app we need to have people from different ages and different experience levels in lifting. For example there should be users who have never lifted before, some with a bit experience and some professionals.

The users are asked to give feedback regarding everything related to the usage and functionality of the application. It helps to find bugs, missing features we might have not considered and the overall user experience. The collected data from the sensors helps to improve the measurements and to make sure our data is not too far off from the actual values.

How we going to test?

Have people we know try to use it and watch them and have them give feedback?

Old, young, new to lifting, never lifted before, experienced, professional

Compare results and feedback (note their feedback for improvements)

**Our Tasks**

Give tasks to each of us and detail what each of us will be doing