



Simple Fit

a web-application using Polar H10[©] and Polar Verity Sense[©]



Progress

- The project is deployed in GCP
- ECG chart is working and shows somewhat realistic curve, PPI visualization is still under work.
 - ECG might require a new chart
- The surveys have been distributed.
 - 28 answers from athletes (professional and non-professionals)
 - 1 answer from a medical personnel
 - 4 answer from a developer
- Verity sense sensor and H10 sensor page need battery level implementation and few smaller visual layout changes.



Goals for the final Milestone

- Deploy final version of the web-application in GCP
- Improve ECG chart (chart can't keep up with the data stream)
- Finish the page layout for the verity sense sensor and H10 sensor
- Implement battery level for both pages
- Get more users to answer the survey
- Modifying code structure so that page rendering is separated from “under-the-hood” functionalities



Struggles and success

Struggles

Not necessarily a struggle, but further testing required with all devices

All of the data is still not visualized in a user friendly way

When multiple measurements are going on at the same time the data is inconsistent

Transferring data between components has turned out to be rather difficult when using Bluetooth services to handle collected data

Success

Conditional routing (device dependent) and preventing “unauthorized” access to pages implemented

Code structure has gradually become cleaner and more comprehensive