**System Requirements:**

jre 1.8.0\_201

Installation of Java 8

OS compatible with Java

Open-Source Software requirements.

The small watch machine running our activity tracker software need at least Java version 8. Alongside Java 1.8 SE, the watch machines need Scenebuilder and JavaFX installed to run the graphical user interface of our software. An operating system such as Windows 7 or higher, Mac OS, or Linux 13.0 installed on the watch machines with our software is recommended for an easier setup for running the activity tracker software.

Gadgetbridge is an open source software for the Android Operating System that could be used in deployment for our activity tracker software to bypass installing previously mentioned Operating Systems, as well as their hardware requirements.

PostgreSQL is an open source database software that would be used to manage the user input data for the activity tracker system. An essential component for reporting the graphs of the user stats.

Purchased Hardware requirements.

A machine shaped like a watch with a processor inside to run our activity tracker software. The machine running our activity tracker software itself must include a light sensor using LED technology. The machine needs to have a minimum of 126 MB of Disk Space for JRE (Java Runtime Engine); 2 MB for Java Update. Minimum of 128MB of RAM. Minimum specified processor to run our software is at least an Intel Pentium 2 266 MHz processor or a comparable processor in performance. A micro-USB cable is required to setup our software initially onto the machine watches before usage.