

Physical Activity App Requirements

- i. User Requirements
- ii. System Requirements
 - a. Functional Requirements
 - b. Nonfunctional Requirements

User Requirements

The user should be able to be able to manage their own classroom, and see a display of both single students steps and the class as a whole.

The researcher should be able to see a display of all the classrooms' steps seperately and together.

System Requirements

Functional

The app shall be able to assign logins to certain groups of students as a "classroom".

The app shall be able to display which devices are in range, the names associated, whether the device is connected, and the number of steps the student has taken.

The app shall send data to a server to store information and be able to display all the "classrooms" data on a webpage.

Nonfunctional

The app shall require a strong password for increased security.

The app shall require email verification for increased security.

The app shall cycle through connected devices to sync data efficiently.