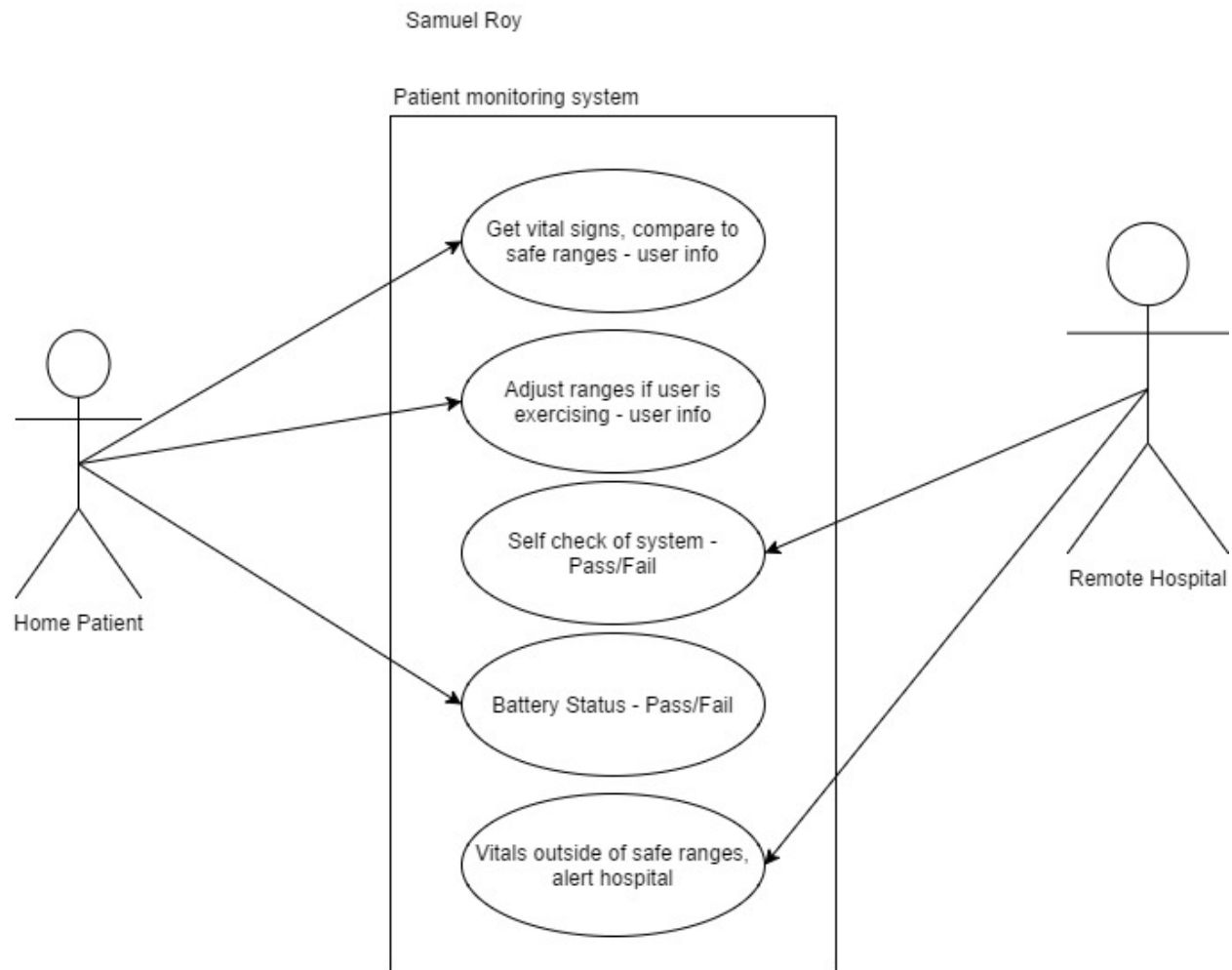


Problem 5.1



The patient use case is to use the monitoring system to check if their vital signs are in the healthy range, even when exercise. The patient will also know whether the battery is low. The Hospital use case is to get alerted if the System is failing, or if the users' vitals are outside of the safe ranges.

Problem 5.2

- a) Comment if the design satisfies the single responsibility (SR) design principle. Explain your reasoning. If you find it does not satisfy SR, suggest a modified design that is better.

I do think this model satisfies single responsibility as it seems every module is only responsible for one thing. Each responsibility has its own concept, and no one concept has 2 responsibilities.

b) Do you see any problems in the design? Suggest a modification to improve the design.

I do not think there are any problems with this design. It prioritizes the important aspects of the design like reading vitals over sending diagnostics, or failure detection.

### Problem 5.3

