Question 1:

1. FR
   1. Measure patient’s heart rate and blood pressure
   2. Compare patient’s heart rate and blood pressure to specified safe ranges
   3. Detect when the patient is exercising by using activity sensors and adjust ranges accordingly.
   4. Alert a remote hospital in the event of an abnormality.
   5. Alert owner when battery power is low.

NFR

1. Security- Only allow specific/certain people, e.g. doctors, nurses, etc., to be able to access a patient’s information.
2. Reliability - Take measurements over a short period of time (approximately 1 minute).
3. Availability- The probability that data would be sending and accessed from the hospital.

Question 2:

1. No the customer is not an actor for the software to be developed because they do not change/modify any information on the system.
   * Customer
     1. Takes item(s) from shelves.
     2. Returns item(s) to shelves.
   * RFID
     1. Monitors stock of item(s) when removed or returned.
     2. Record event of item(s) being removed or returned.
     3. Keeps track of when stock is running low on shelves. When stock falls below a given threshold while still greater than zero.
     4. Detects “out-o-stock” state, when shelf becomes empty and stock of item is zero.
     5. Notify manager when “low-stock” or “out-of-stock” state is detected through e-mail. Manager is able to access e-mail from their phone.
     6. Detect newly restocked items by reading their EPC.
     7. Support the option of determining the difference between returned products from restocked products, if being placed in shelves simultaneously.
   * Store associate
     1. Restock items into shelves