### User Stories Current System

### Central Station

* This should display all active bedside systems in the assigned Bay (8 beds to a bay)
* Any bedside system which sends an alarm should clearly be indicated, so it is visible at a glance.

### Medical Staff

* On call medical staff register with a station to be alerted to problems by use of either pagers or SMS messages. Once their on call time expires they can then deregister from the system.
* As a nurse I need be able to receive an alert via text, I want to delete the records once the call time has expired.

### Management

* Response times for alarms need to be stored in a database for analysis, this would involve storing the time a first alarm was generated by the system and the time that alarm was rectified.
* As a nurse I need the response times for alarms to be stored in a database, so that I can see when the call was registered on the system and when the alarm was changed.

**User Stories Extended Version**

**Patient Monitoring**

* As a nurse I want a system which checks detail of the patient such as: Heart rate, Blood pressure, breathing rate and temperature.
* As a nurse I would like to monitor all the 10 patient in my bay so that I am aware any changes or critical situations.
* As a nurse I need to register my patients set and store critical level each of the functions we do not have to re enter each day which mean we can add or remove as its necessary.
* As a nurse I need these to be displays numerically so that I can give each patient upper/lower limits each functions being monitored
* As a nurse I want to be able to select a function which needs to be displayed for individual patient. So that I can monitor the behaviour of the patient as well as display the data for each module.
* As a nurse, I need to see the output for all selected patient. As not all patients not need such close monitoring.
* As a nurse, I need to hear alarm which triggers at the patient’s bedside. If there rates goes above or below.
* As a nurse I want a system which would deliver a message to the central station if an alarm was triggered off at the patient’s bedside.

**Central station**

* As a nurse I need to be able to view all the current bedside system in the bays, each bay has 8 beds
* As a nurse I need to be able to see the alarm visible, I want an alarm to be sent from each bedside system so that it can be seen at a glance.

**Medical staff**

* AS a nurse I want to see register/deregister from the central station so that I can receive alert.
* As a nurse, I want the alert messages to be sent via email so that the consultant can receive them.
* As a nurse I want a station which can deregister at that point when the call time is expired, so that the alerts are stopped being sent.
* As a Consultants also register/deregister to receive alert messages when I am on and off
* As a nurse, I want the alert messages to be sent via email so that the consultant can receive them. When a bedside alarm triggered.

**Management**

* As a nurse I want a system which enters the response times to alarms in a database so that it can be used for analysis later.
* As a nurse I want a system that stores the time so that when an alarm is heard then the time of the alarm can be rectified.
* As a nurse I need the dates and times on the system so that medical staff can register, I want to also register during their shift so that I can monitor their duties.