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HCI Report
Task 4

The method I have chosen to evaluate the successfulness of my interface is Usability testing. I would first record the performance of nurses and doctors using the interface in a typical scenario where first they are shown the ward view where they must monitor a patient. A patient will then be entered into a critical state where the user will be able to move to the patient view and monitor the patient more closely.

The users will be observed and timed so that their performance can be evaluated later. Every time a user presses on the screen, the time and the location of the press will be recored so that I could determine when they have pressed the screen incorrectly and how long it takes them to correctly learn how to use the interface.

The data gathered will be used to give a measure of the performance of each user and used to identify and explain where errors may have occurred.

The user satisfaction of the system can be evaluated further by providing the nurses and doctors with a questionnaire about various aspects of the system and ask the to rate how intuitive they found symbols such as the arrows which switch between users. Perhaps they will be able to suggest ways in which the links between parts of the system could be improved and which pieces of information the would like to see more/less highlighted.

This could then be fed back into the development process where a new version of the application can be prototyped and which can be used itself for another evaluation phase.