Non-Functional Requirements

Part of the Project involved making a list of the non-functional requirements of the system. When developing these requirements we took into account the product requirements in terms of performance, reliability and usability, the software and hardware required for the system and the security, privacy and interoperability of the system.

This is the final list of non-functional requirements that were agreed upon.

* The system must not take up too much memory so should not exceed 200KB of memory.
* The program must not violate any current firewalls or safety procedures currently in place on the university system.
* The system should function correctly on all operating systems installed in the university.
* The system should be quicker than the previous manual system. This requirement will be fulfilled if all the staff, student and course details can be added to the system within forty-five minutes.
* The staff and students should be allocated to tutor groups accurately with no incorrect allocations eg. Allocated twice or never.
* The administrator should be able to use all system functions intuitively with little to no training.
* The system should be able to handle up to 900 students and staff in the database.
* The database should be able to handle up to five users at the same time.
* The database should update immediately when edits are made to information.
* The system should be compatible with Excel spreadsheets and read information imported from there into the database.
* The system should not contain any sensitive personal information.
* The system should not allow students to view other students’ details.
* The system should not hold the administrators’ passwords in plaintext.
* The system should allow an administrator to log in.
* The system should allow an administrator to log out.
* Only the administrator should be able to edit the system.
* The system should have no serious bugs or errors which hinder performance.
* The system should respond to queries of the system within 90 seconds.
* The system should have a visually pleasing design.
* The system should use high contrast colours to reduce eye strain.