

Requirements Report

Functional requirements:

- 1- the school system should manage user login for the school administration.
- 2- the system should be able to insert the information of new student in the database.
- 3- the system should be able to update the information of old student in the database.
- 4- the system should be able to remove a student record after they graduated or leave the school.
- 5- the system shall provide the ability to search for a specific student or a group of students.
- 6- the system shall provide the ability to print the whole database.
- 7- the system shall provide the ability to reset the database.
- 8- the system shall provide the status of the courses for each student.

Non-Functional requirements:

- 1- performance: the system must operate fast.
- 2- scalability: handling the system as it grows.
- 3- reliability: The system should have fault tolerance implemented to reduce errors caused by network failure.
- 4- usability: achieved by making the system ease of use.
- 5- availability: the system must be available all the time.
- 6- the system should be adapt changes of courses without affecting the previous records.
- 7- privacy of information, each student allow to see his own information when he appears to the administration his Id. So the students information will be private.
- 8- students never allowed to update their status in any course they took him before.