

The following are requirements of student's registration system.

- What is wrong with these requirements?
- What quality factor is missing?
- Rewrite the requirement document to reflect how McCall software quality factors are used:

1. The system speed should not be slow. And students should be able to register their courses as fast as they can.

(Reliability) Required Measurements

The registration system should in less than 1 second, and the average registration duration should not exceed 10 minutes.

2. The application should be able to calculate students' GPA correctly.

(Correctness) required more details.

The GPA calculation must adhere to the Saudi Higher Education system.

3. Any changes to the system or bugs correction should not take a long time

(Maintainability). required more details.

The system software documentation should be clear, self descriptive, and have a high degree of consistency. This must be implemented so the system is easy to maintained and make any changes.

4. The system should not be in failure mode for long time.

(Reliability) Required Measurements

One of the requirements of the Registration system is that it should not fail during registration period. The recovery time should not exceed than 20 minutes in case of failure.

5. Students should only access their grades.

(Integrity) required more details.

Students should be allowed to view their grades and not anyone else. They should not be able to make any changes.

6. System should be easy to be understood by students.

(Usability) Required Measurements.

Training of new students will take no more than two days; this should enable the student to submit the application in 20 minutes.

OR

New students should be able to recognize the key features of the system within 15 minutes, and the average time for submitting the application should not exceed 25 minutes.