Users are identified with their user type (staff and patient) and the username. In staff there are several users: reception, pharmacy, lab, nurse and doctor.

All users have their own medical details record including personal details, sickness details, drugs prescription and lab test prescription.

Any user can edit and read their personal details.

Patient user can read his medical details and can’t edit them.

In the staff category,

Reception user can read personal and sickness details of any user and can’t edit anything.

Pharmacy user can read personal, sickness, drugs details of any user and can’t edit anything.

Lab user can read personal, sickness and reports of any user and can edit test prescription of any user.

Nurse user can read personal, sickness, drugs and test sections of any user and can write sickness details.

Doctor user can read personal, sickness, drugs and test sections of any user and can write sickness and drugs sections of any user.

Username format for patient – patient1@abc

Username format for staff \_ reception1@reception, pharmacy1@pharmacy, lab1@lab, nurse1@nurse, doc1@doc

Staff users are identified from the username format.

Assumption: For the staff, usernames were given before by the hospital administration.