**Requirements**

**R1**: The program should allow reception staff to enter the patient with their complete information in a database.

**R2**: The program should allow the reception staff to record the patient's admission in a database.

**R3**: The program should allow reception staff to direct the patient to one of the two laboratory units (Hematology and General Purpose).

**R4**: The program should allow reception staff to search for a patient in the database.

**R5**: The program should allow reception staff to assign a priority to a patient from the database.

**R6**: The program must allow the reception staff to enter priority patients with priority (those who have some important underlying disease, are older adults, are pregnant, etc. This information is extracted from the laboratory's database).

**R7**: The program shall allow reception staff to admit general access patients on a first-come, first-served basis.

**R8**: The program should allow reception staff to discharge patients who had previously been admitted.

**R9**: The program should allow reception staff to undo the action of entering or exiting patients in the event of a mistake.

**R10**: The program must have a panel that will allow the reception staff to always monitor the list of people currently in the laboratory.

**R11**: The program must have a panel that will allow the reception staff to always monitor the order of attention of the people in each unit.

**R12**: The program must have a panel that will allow the reception staff to always monitor the discharge of patients in order to continue with the care of the following people.

**BONUS**

**R13**: The program must ensure that in a random time between 1 or 2 minutes a patient is discharged from the units.

**R14**: The program must ensure that the person automatically served by the unit does not appear on the waiting list, but must still appear present in the system so that later the reception staff manually discharge the person.