ENGINEERING METHOD - TI 1

IDENTIFICATION OF THE PROBLEM:

In this project we are asked, by a recognized Health Care Provider Institution, to make a first version of a system to manage the admission and discharge of patients in a Clinical Laboratory. This program will be executed by the staff located at the reception of the center who will be responsible for performing the admission process and then direct the person to one of the two current units of the laboratory (Hematology and General Purpose) with an assigned turn of attention. When a patient arrives at the laboratory they must be searched for, or entered if they are not in the system. The system should have an "undo" option each time an admission or discharge action is performed, to make it possible to correct these possible mistakes. Finally, the system must have a panel that allows monitoring the list of people currently in the laboratory at all times.

R1. The system should allow searching for a patient from the system database.

R2. The system must allow to register a patient in the system database. The patient's id, name, gender, age and priority will be saved.

R3. The system must allow to enter a patient in the queue of one of the two sections, hematology or general purpose.

R4. The system must allow to remove a patient from the queue of one of the two sections, hematology or general purpose.

R5. The system must allow undoing the queue entry or exit.

R6. The system must allow to review either of the two section queues.