# Clinic Patient Info Management System

## Functional Requirements

* Register patients
* Search patient data
* Update patient data
* Queue patients for doctors
* Notify the reception about the availability of doctors.
* Handle lab results (attach them to patient data)
* \*send automated email to patient containing lab results
* \*provide statistics for admin
* \*handle communication between doctors and Reception

Types of Doctors

* Generic
  + Pediatrician
  + Geriatricians
* Specialists
  + Allergists
  + Dermatologists
  + Etc.

Users of the System

* Doctors
* Reception People
* Lab tech
* Admin

Patient data up on registration may contain

* Personal data
  + Age
  + Name
  + Etc.
* Symptoms or reason for visit
* Drugs the patient is taking currently

Queue Severity

* Urgent
* Half examined (done with lab results)
* Normal

Handling a visitor

1. creates new visitor
2. Attach a patient data to it or register new patient if new
3. After taking notes on patient’s symptoms assign to doctor queue
   1. System will automatically show available doctors for the specific patient
   2. Queue severity will be entered
      1. Urgent visitors will always take precedence over normal visitors
4. After entering the doctor’s room doctor will examine the visitor
   1. he will enter his prognosis and prescribe the patient medicine
   2. or, he will request a lab test in which case
      1. the patient will be added to the laboratory queue
      2. After laboratory examination is done the lab tech will attach the result files to the patient file
      3. The visitor will then be added beck to his previous doctor’s queue
      4. Doctor will examine the results and (step 4a)
5. Visitation file is closed

Doctor Availability

* Done with shift
  + After being done with his/her shift the doctor is advised to log out
  + If the doctor doesn’t logout the system itself will prompt the user to log out at the end of his shift
  + If the doctor is not logged in the system will not show the doctor as available.
* Vacation break
  + Responsibility of admin to deactivate account and change the availability value
* A way to track visitors if their name is searched then it will show the progress of the latest visit along with the history of visits.