# Product Description

Mostly in private hospitals things are more ordered and everything happens more efficiently but the opposite happens in public hospitals. Many patients come every day and in any second the place can be full of people waiting without knowing where to go. Doctors rarely keep very precise records since they deal with many patients in row and it is hard for them to remember all of them and keep records for each of them in written form. It even happens that these records might be lost in the huge stack of records. The service we intend to offer will help doctors keep track of their patients and ease their job. Patients will be lead to their specific doctor, according to their illness, in an instant. Patients, from their lack of possibility to go to the same hospital, can enter to the system in its own page and download his/her medical report and show to the new doctor. With this service, things will happen faster and in a very smooth way. Later on, the whole requirements will be explained.

## Product Context

It will be a whole system on its own, dependent on its own database. The patient will come and if he/she is new than an ID will be given and the registration will take place. Then the receptionist will lead the patient to the available doctor in that moment. If the patient is not new then the receptionist will make the changes to the existing database.

## User Characteristics

# Doctors

Doctors will have their own accounts in the system. The only attribute given to them is the update of their patient medical reports. They cannot add patients on their own. The patients will be added in the database from the receptionist. Doctors will use the computer very often since they have fluid of patients every day and need to update the data for each of them.

# Nurses

Nurses are an important support in the hospital and they have a great responsibility in their shoulders. They will take care about the patients and always be on alert. In their page, they will have the description of each medication that will be given to the patients given to her. Then after she finishes and the precise medications are given to the patients, she will mark them as done so even the doctor can keep in track will the progress of the patient. They will use the computer only to see the medications needed for the precise patient and to mark as done when they are finished.

# Patients

They will have a space where they can sign in with their name, surname and a specific ID. There they can find their medical report in case they change hospital or doctor. They will be able to print this document in case it is needed. They will use this page only in case of need, not that often.

# Receptionist

The will be using the service more than anyone else. They will constantly be using this service. It is their duty to register the patients, lead them to the specific doctor, provide them with the information needed etc. The computer will be their inseparable asset since they have the hardest work and important one.

# Human Relations Manager

They will have their own space here in order to keep track with the work of the staff and maintain the efficiency of their work. They are responsible for all the staff and when one employee is hired or fired they will write this on their page.

# Medicine Stock Manager

They are in charge of the medicines that the hospital has and offers to the patients. They will be constantly updating the database since there will be medicines finishing and new ones coming. They will all need to be registered and keep an inventory to be more efficient and correct. They will use the computer often and ready to register the changes.

# Hygiene Staff

The hygiene staff will not use the computer. They will just be informed of the schedule of their shifts constantly. The system will help to prevent any schedule clash to happen. They also have to make known their presence.

# Hospital Grounds Guard

Hospital ground guard will not use the system also. There is no need for it since will be informed of the schedule of their shifts. All they have to do is be there on time and make known their presence.

## Assumptions

The operating system used in the hospital is Windows 7, so the service will be created according to that. Databases will be created according to the hospital staff and restrictions.

## Constraints

Being a public hospital, there is a lack of funds and not many investments are done. No one pays attention to computer infrastructure and this leads to some constraints that we might encounter.

Some of these constraints are:

* Low number of computer terminals
* The computers found there are not all of them up to date and not so fast
* There might also be limits of disk space
* Since most of reports are in written form, there is a lack of a well formed database

## Dependencies

* The receptionists and doctors will need a constant Internet connection to perform the operations.
* The report form will need an update for every time the patient makes a check up
* The registration will be needed to be done before the patient goes to the doctor
* Only after the registration a database entry can be created for the new patient
* An update of the doctors’ occupancy is needed in order to decide for the new patients coming
* An update of rooms is needed constantly so no mistake is done