

CS102

Fall 2019/20

Project
Group

G6

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Criteria	TA/Grader	Instructor
Presentation		
Overall		

UI Design Report

(First Draft)

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1. Introduction

Past patient records cover most of the treatment but the patient management system is not used in most hospitals. We will be able to get easier and more reliable results by keeping the old records. Also, the patient management system will ensure the effective working of hospital staff. Thanks to this application, both patients, doctors, and other health professionals will be provided to communicate more comfortably, because, before entering the hospital, most of the information about the patient will be in the hands of the health personnel. This report will provide information about the design of the patient management system. It includes most information, from how to log in to who has access to which parts.

2. Details**2.1 Sub sections****2.1.1 Main Menu**

First, in the main menu section users will see the login page before entering all facilities. It will include 3 entering which are doctor entering, secretary entering and manager entering. Moreover, lab workers can also log in with the doctor entering and it will just the setting test results section. It can be provided by different ID numbers among doctors and lab workers.



Doctors' Login

Doctors who are work in our hospital should login in here.



Secretaries' Login

Secretaries who work in our hospital should login in here.



Managers' Login

Managers should login in here.

2.1.2 Special Sections

After the entering, all users will access their facilities with their ID numbers so the parts of the program will be separated by special sections. These facilities are:

❖ DOCTORS

- **Patient General Information**

It will include patients' name, blood type, gender, address etc.

- **Patient Old Records**

- ✓ **Previous Tests and Results**

This section will give the old tests and results that are done in other hospitals of patients.

- ✓ **Previous Medicine and Cautioned Medicines**

Doctor can analyze more precisely how the medicine or treatment had effects on patient's health and illness.

- **Patient Information**

- ✓ **Patient History**

In this section, doctors will write the complaint of patients and the duration of sickness in order to analyze the treatment well.

- ✓ **Doctor Comments**

Doctors can explicitly mention which treatment methods should not be used for patient so that other doctors can eliminate these options.

- ✓ **Treatment Methods**

The treatment methods that are applied to patient.

- ✓ **Prescription**

The medicines that the patient used.

- ✓ **Transmission Process**

To see between which hospitals patient transmitted and why the transmission process occurred.

- ✓ **New Tests and Results**

Lab worker will upload novel tests and results to the doctor system and doctors can reach it.

- ✓ **Graphics of Patient Situation**

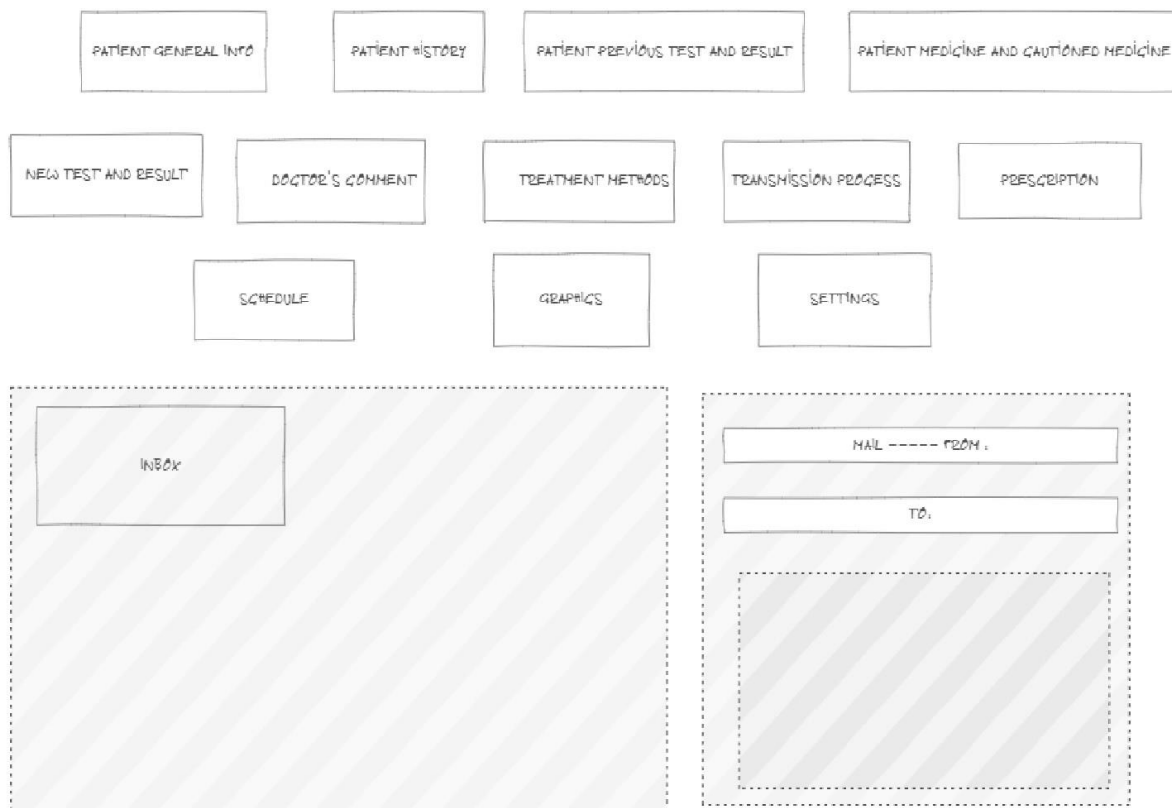
Graphics will be overlapped so that the change of the illness can be seen more smoothly.

- **Schedule**

Schedule will reflect the free timeline to the doctor.

- **Settings**

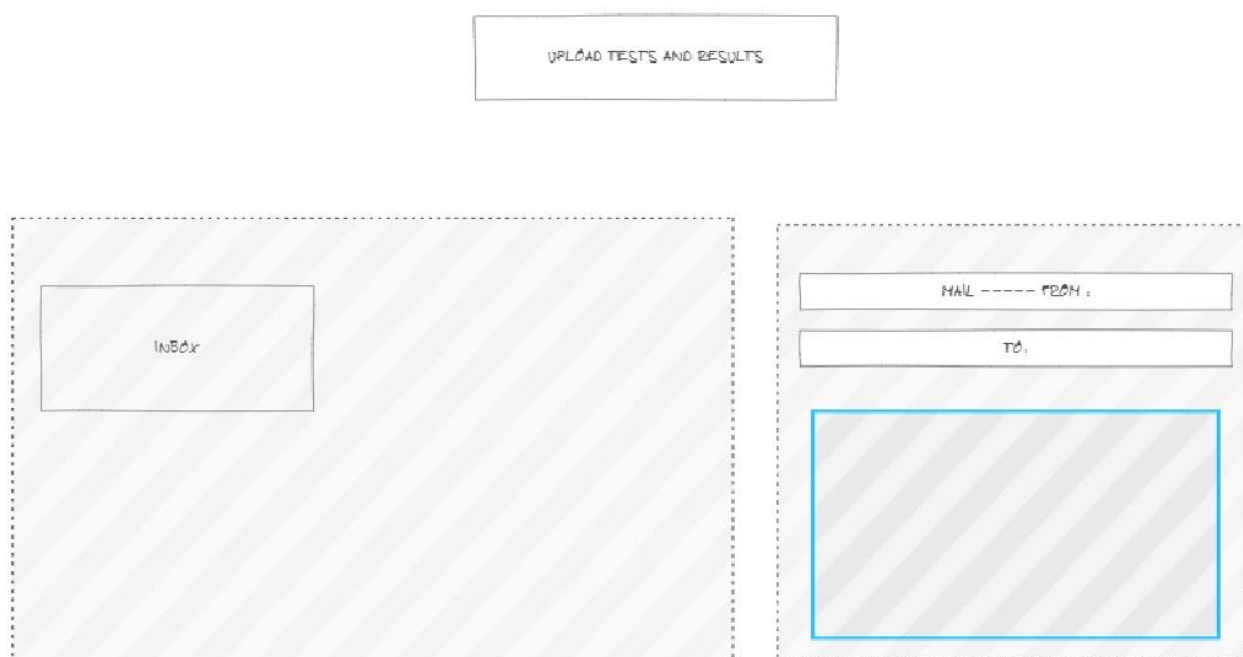
Logout option and profile of the user.



❖ LAB WORKERS

- **Setting Test Reports / Results**

Test reports will be sent to the doctors' panel.



❖ **RECEPTIONISTS**

- **Patient General Information**

It will include patients' name, blood type, gender, address etc.

- **Patient Information**

- ✓ **Patient List**

It will demonstrate the all name of patients who came the hospital.

- ✓ **Payment**

Payment option will be determined by insurance and treatment method.

- ✓ **Add Patient**

It will create a new record for patients who didn't come to the hospital before.

- **Doctor Information**

- ✓ **Doctors' Timeline**

Schedule will reflect the doctors' free timeline to the receptionist.

- ✓ **Doctor List**

It shows all the doctors in hospital according to their majors.

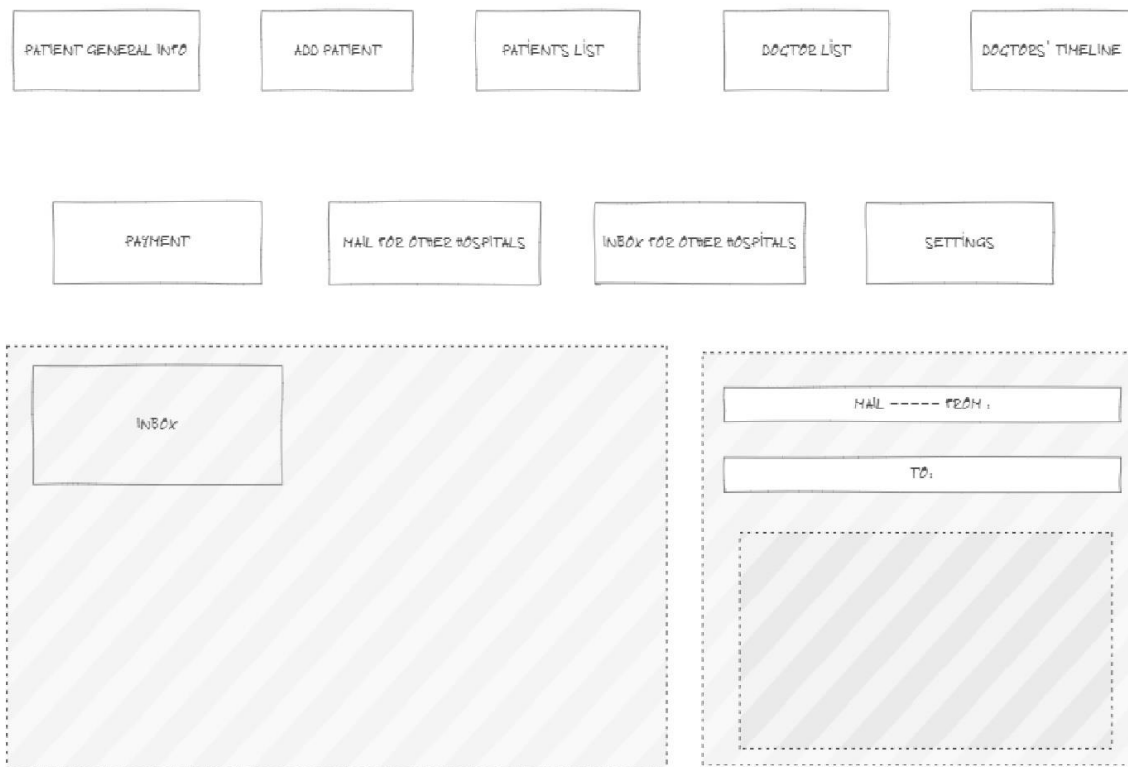
- **Communication,**

- ✓ **Email**

Receptionists can communicate with other hospital's receptionists for the patient transportation process.

- **Settings**

Logout option and profile of the user.



❖ MANAGERS

- **Patient General Information**

It will include patients' name, blood type, gender, address etc.

- **Equipment Numbers**

Equipment numbers will include beds for patients and any materials that are used in hospital.

- **Doctor Information**

- ✓ **Setting Doctors' Timeline**

Arrange doctors' holidays and work days so that the efficiency of the hospital increase.

- ✓ **Doctor List**

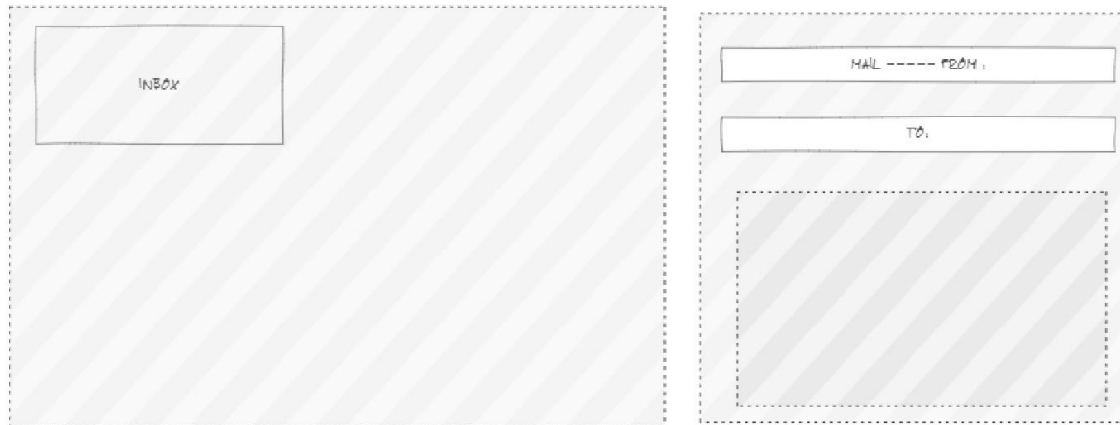
It shows all the doctors in hospital according to their majors.

- **Expenses / Incomes**

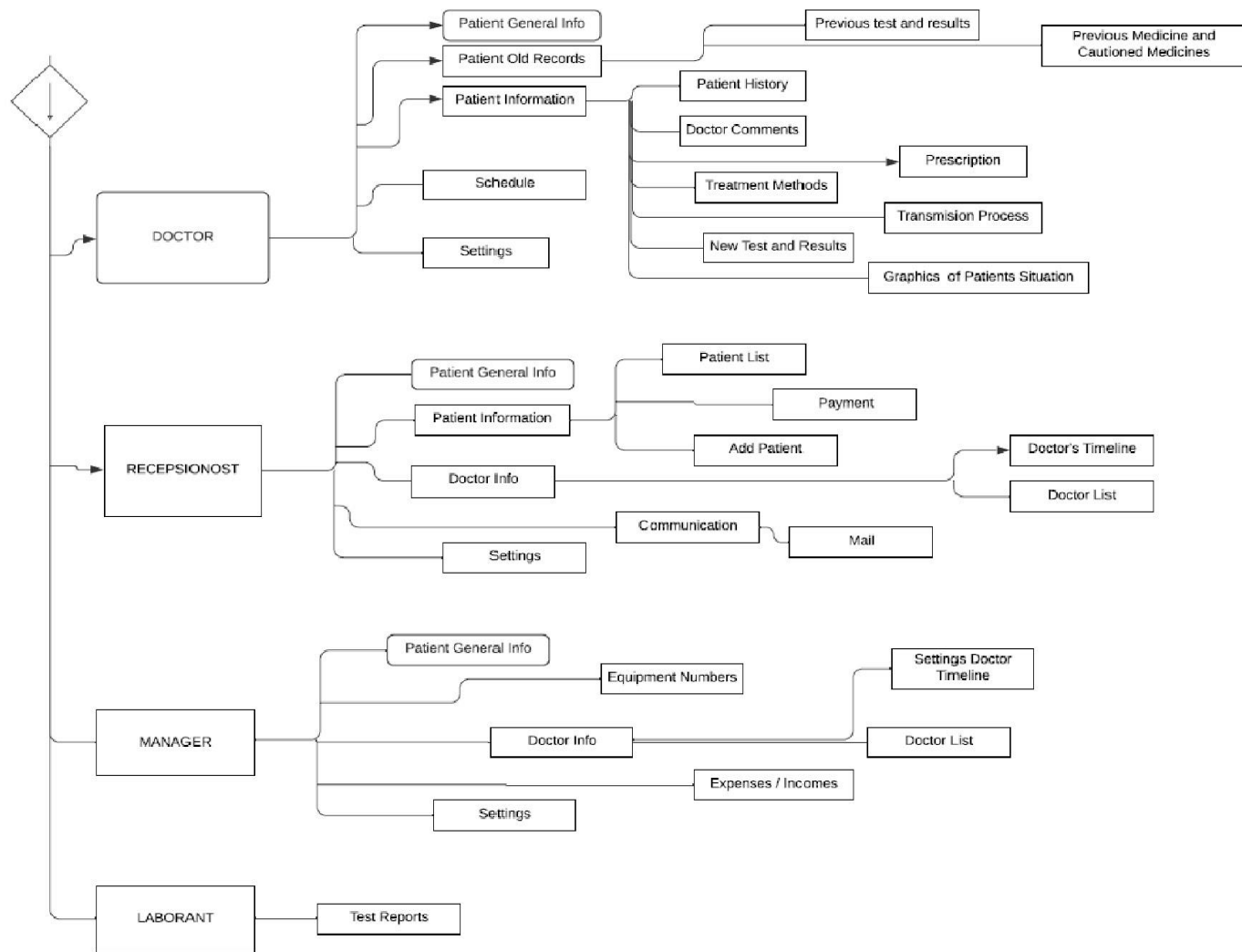
Incomes and expenses will be reflected in charts so that manager can analyze more precisely.

- **Settings**

Logout option and profile of the user.



2.1.3 Story Board



2 Summary & Conclusions

This report developed a general program that is the patient registration system. It can be observed that there are some problems such as failing to access the previous treatment data records and difficulty in making an appointment again in hospitals about patient information records. Thus, this product can eliminate these kinds of problems and ensure systematic, confidential and uncomplicated applications. Also, by means of this application patient information stored in the database and every hospital can reach this information so it makes the application widespread and sustainable.

References :

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