

PATIENT BILLING SOFTWARE

INTRODUCTION:

The project is about developing software for patient billing in the hospital. This software is used for maintaining the details and bill of the patient during the treatment taking from the hospital. It maintains all details of the charges of the patient while admitting to the hospital until it discharges from the hospital.

COMPONENTS OF SOFTWARE:

- Receptionist
- Doctor
- Patient
- Bill
- Room
- Treatment
- Prescription

FUNCTIONALITIES OF COMPONENTS:

Receptionist:

- The receptionist is like the admin of the software who has all the privileges.
- The receptionist can add a new doctor, patient, treatment.
- It creates bills of the patient and maintains the details of each component.

Patient:

- The patient is the one for which this system is developed.
- New Patient has to give the following details to the receptionist for registering to the software such as name, address, age, gender, blood group, phone no.

Doctor:

- A new doctor has to give the following details to the receptionist for registering to the software such as name, age, gender, department, specialization charges taken by the doctor.

Prescription:

- The prescription which will be generated after the patient visit the doctor and the doctor prescribed treatment and medicine and a room is assigned to the patient. It contains the details of the doctor and the treatment prescribed by the doctor. It will automatically generate.

Bill Generation:

- This class will contain all the charges taken by the patient for different treatment and different doctor. It will add up all the charges and show the total amount of patient has to pay.

TECHNOLOGIES USED:

- Java Programming Language
- Andriod Studio(Development Platform)
- SQLite Database

CONTROL FLOW:

- Login of Receptionist
 - Using a specific username and password.
 - Change Password Option
- Receptionist Privileges
 - Add new doctor
 - Add new Patient
 - Add new treatment
- Bill Generate

- Search patient if it is already registered.
 - Add new patient if not registered.
 - Assign room
 - Select doctor
 - Select treatment
 - Save and Show Bill
- Bill Print
 - To display the bill of the particular patient click on the bill from the list and on click on discharge the person will discharge by paying the due amount of the bill.

HOW TO RUN THE PROJECT:

- Open the project with the Andriod Studio(version 3.5 and above)
- Import as Existing Android Project.
- Select the root folder where files are not visible.
- Run the project on the emulator or smartphone having android version 5.0.0 and above.

