

HOSPITAL MANAGEMENT SYSTEM

Developers:

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Language Used:

- Python

Type:

- Window Based (Tkinter)

Database:

- MYSQL (online)

Database Details:

- ❖ Host: sql6.freessqldatabase.com
- ❖ User: sql6501892
- ❖ Pass: 3Wrabaa1VF
- ❖ Name: sql6501892



Requirements:

- A system with minimum 512MB RAM and 150GB ROM.
- Reliable internet connection

HOW TO USE:

1. Install the app through "installer.exe" file found inside the HMS.rar file
2. It will extract all the related files in the folder "Hospital Management".
3. Open that folder and look for the application named "Login".
4. Open the application.
5. Passwords and usernames are the same as roles e.g., Admin has password username as "admin".
6. You are good to go.

Warning!!!

Don't click on the screen or press any key on the keyboard during the data fetching from online database as it can interrupt the process and crash your program.

MODULES:

1) Login:

It logs you in the system by verifying your credentials for a particular role.

2) Employee:

i) Employee entry:

It adds the record of new employees to the database.

ii) Employee removal:

It removes the record of the employee from the database.

iii) Search Department:

This module helps you in finding the department of an employee.

iv) Generate Payroll:

With the help of this module, one can generate his payroll and print it.

3) Patient Data:

This module helps in finding the previous record of the patients.

4) Billing Data:

This module works for fetching the bills and payments done in the hospital.

i) Overall Billing:

It covers the whole billing data of the hospital

ii) Patient billing:

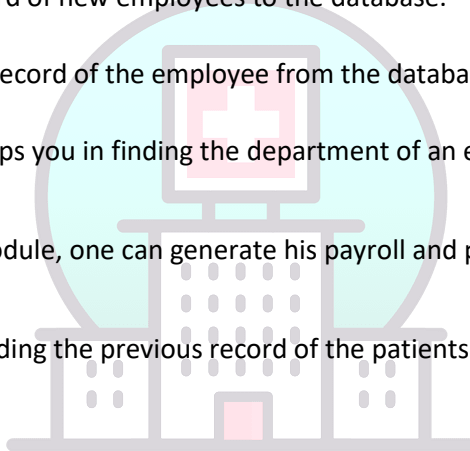
It tells you the patient's billing data.

5) Change Password:

This module can only be used by admin to change the password of an employee.

6) View Profile:

This module functions as a profile viewer. One can view his profile by entering his/her unique ID.



7) PATHOLOGY:

- i) Add record:
It adds the new record of a patient's test.
- ii) Recent Record:
Shows you the data of the tests done recently.
- iii) Search Record:
A pathologist can search the record of the patient by entering his name and unique ID.
- iv) Remove record:
If a patient is discharged completely, then his record can be permanently removed of the department by this module.

8) PHARMACY:

- i) Available Drugs:
It shows the data of all the available drugs.
- ii) Add Drugs:
It adds newly ordered drugs to the database and updates the previous record.
- iii) Lacking Drugs:
Drugs with the quantity less than 200 are pulled out and showed by this module.
- iv) Order Drugs:
Lacking drugs or new required drugs can be ordered by using this module. Although it is a dummy one and just gives the idea.
- v) Drug record:
It shows you all the details of the drug including quantity and prices by entering the drug name and type.

9) Registration:

- i) Outdoor Patient:
Outdoor patients can be registered using this module by entering their proper details.
- ii) Indoor Patient:
Indoor patient can be registered and can be allotted room using this module by entering his/her details.

10) Data Fetching:

It fetches the data of the:

- i) Indoor Patient
- ii) Outdoor Patient
- iii) Emergency patient

11) Daily Shifts:

It assigns duties and perform the shifts changing process of the employees.

12) Discharge:

This module helps in discharging the patients.

13) Print:

This module comes handy in the printing of invoices, lab reports, drugs report etc. and saves it in the memory of the system as an image file.

MAIN ROLES:

- Admin
- Receptionist
- Doctor
- Employee
- Pharmacist
- Pathologist
- Accountant

There are separate screens and modules (often with the same name) working different for each role.

Database Tables:

- Login (each for separate role)
- Employee
- Patient (In, Out, and emergency patient)
- Pathology
- Pharmacy
- Billing (each for patients, drugs, etc.)

Note: The actual names may be different.

