



PROJECT REPORT

DSNL - HOSPITAL MANAGEMENT



Group- 8

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ABSTRACT

In this project we aim to solve the traditional issues of hospitals, which use paper-based solutions for keeping records of patients, doctors and other hospital staff, and the activities done by them such as payments, medicines inventory management, rooms booked, etc. This creates huge problems such as inappropriate data keeping, time wastage in data storage and its retrieval.

A patient can see his/her profile details such as patient id (unique key generated by the system), Name, Date of Birth, Blood Group, Phone No. He/she can also view his/her medical reports, visit history and the past bills.

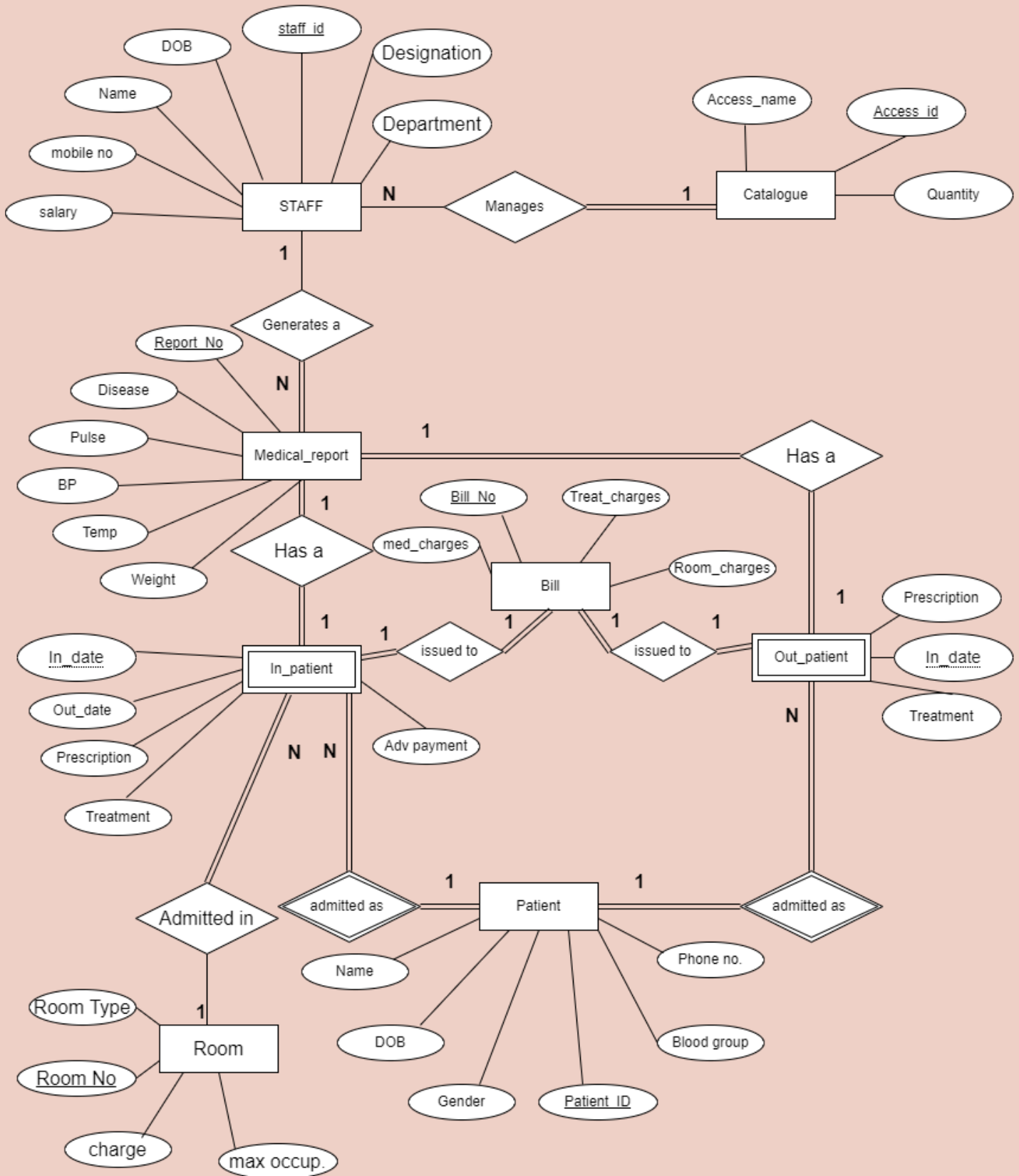
Similarly, doctors can also see their profile that includes Staff Id, Date of Birth, Designation, Department, etc. For each doctor we will have his/her current and past patients. For every visit, a doctor can add the medical report for his patient.

Reception will also have the basic info like doctors and patients. It has the right to add a new patient to the database of the hospital. It can manage rooms, and charge its price. It has to generate the bills corresponding to each visit of the patient which will have treatment charges, medicine charges, room charges, etc.

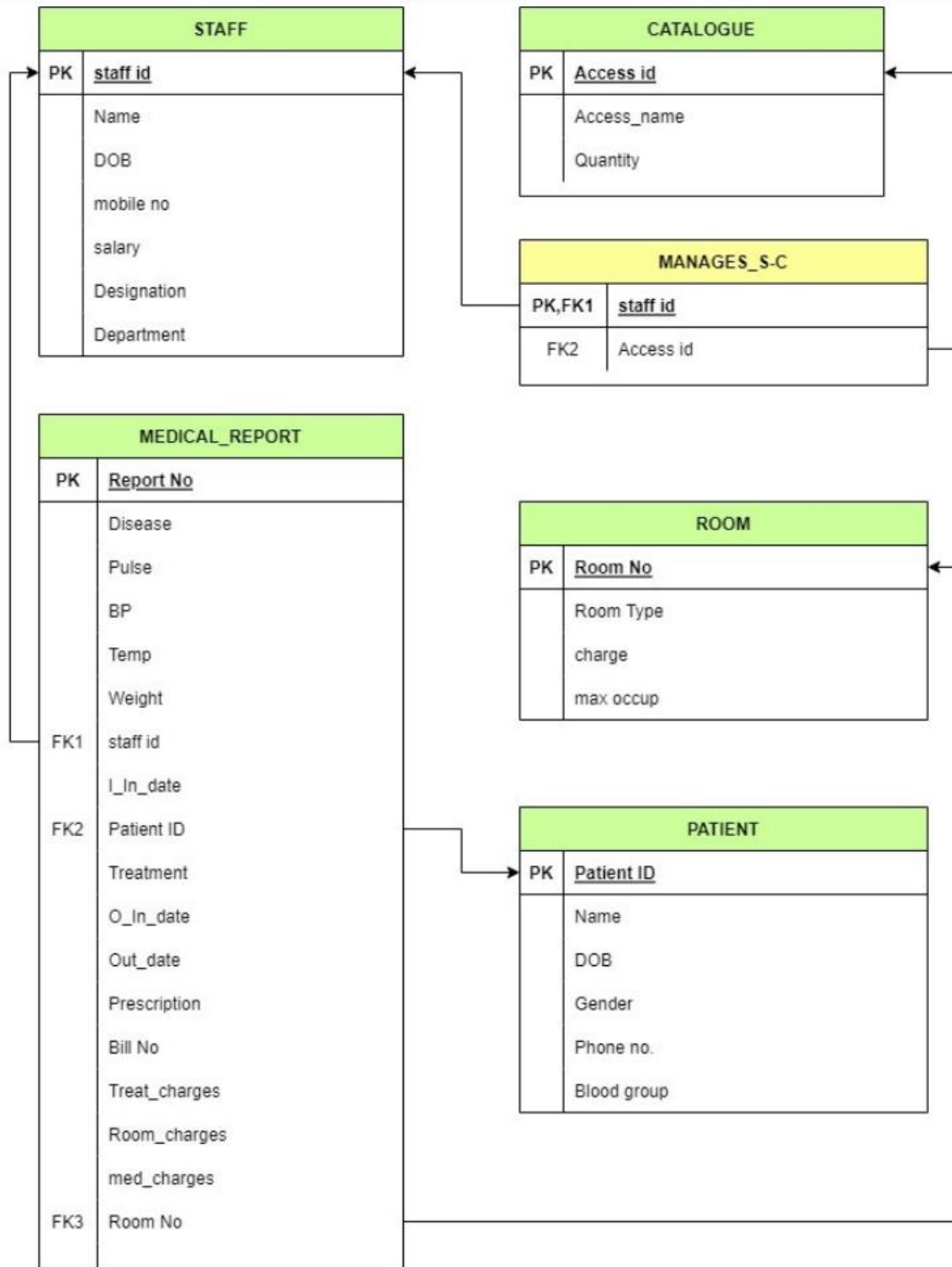
It can manage the presently working staff, apart from everything else. It can also manage the inventory and currently available rooms. It can view all the past records of the hospital containing reports, patients and their bills.

ER DIAGRAM

DSNL HOSPITAL MANAGEMENT SYSTEM E R DIAGRAM



RELATIONAL SCHEMA



Functional Dependencies

(STAFF) **staff id** → Name, DOB, Mobile No, salary, Designation, Department

(CATALOGUE) **Access id** → Access_name, Quantity

(MANAGES_S_C) **staff id** → Access id

(MEDICAL_REPORT) **Bill No** → Room_charges, Treat_charges, med_charges

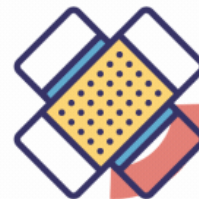
I_In_date, Patient ID → Treatment

O_In_date, Patient ID → Out_date, Prescription

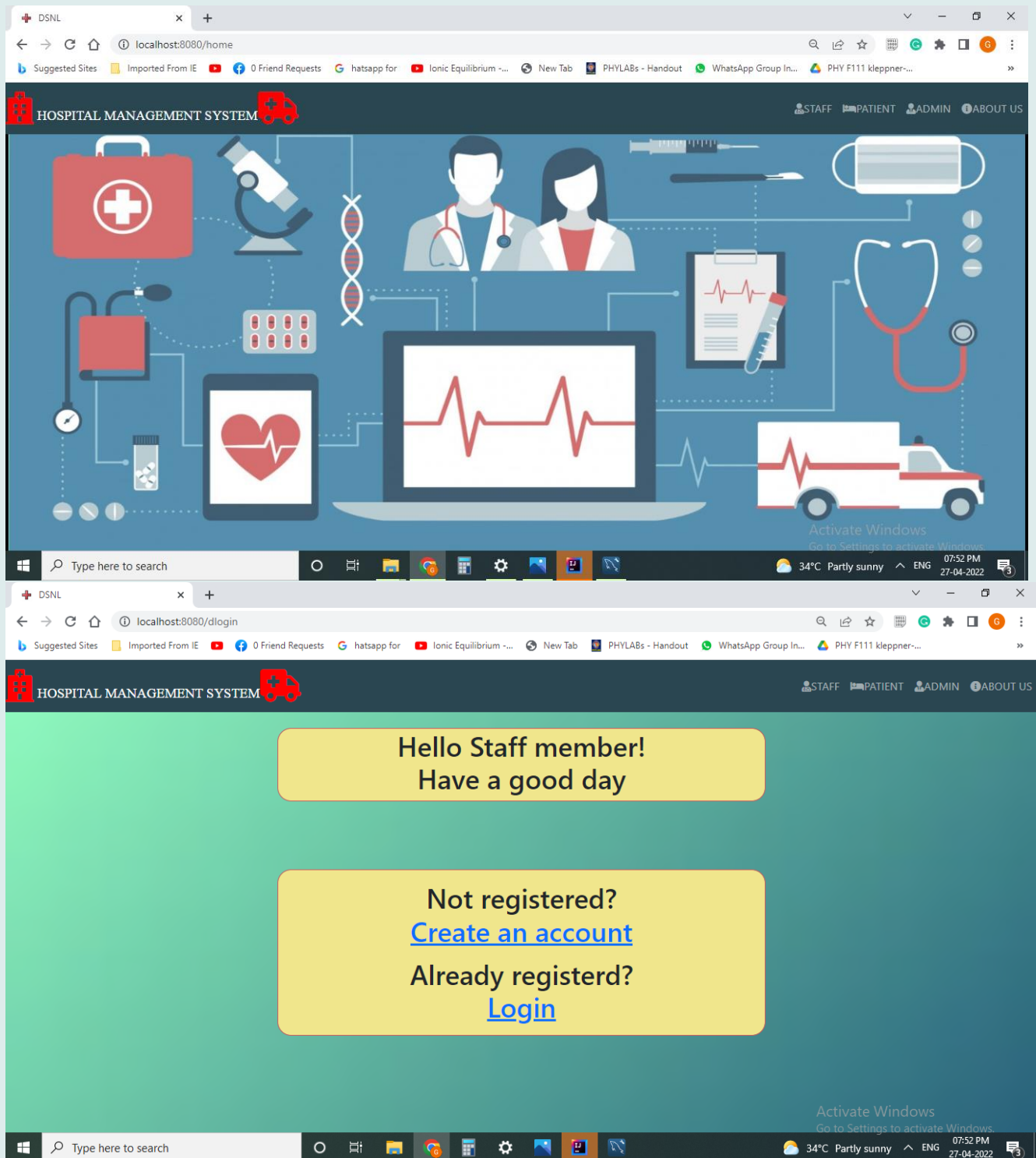
Report No → Disease, Pulse, BP, Temp, Weight, Patient ID, I_In_date, O_In_date, Bill No., staff id, Room No

(ROOM) **Room No** → Room Type, charge, max occup

(PATIENT) **Patient ID** → Name, DOB, Gender, Phone no., Blood group





Screenshots



DSNL

localhost:8080/dreg

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HOSPITAL MANAGEMENT SYSTEM

STAFFPATIENTADMINABOUT US

REGISTER HERE

NAME

Enter name

DEPARTMENT

Enter department

DESIGNATION

Enter designation

DATE OF BIRTH

Enter DOB(yyyy-mm-dd)

MOBILE

Enter mobile number

SALARY

0

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DSNL

localhost:8080/dlog

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HOSPITAL MANAGEMENT SYSTEM

STAFFPATIENTADMINABOUT US

LOGIN HERE

USERNAME

Enter name

PASSWORD

Enter password

SUBMIT

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Staff Dashboard

STAFF DASHBOARD

localhost:8080/dodlog

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DSNL STAFF DASHBOARD

HOME whatever LOGOUT

HOME
YOUR PROFILE
VIEW PATIENTS
ADD PATIENTS
VIEW MEDICAL REPORTS AND BILLS
ADD MEDICAL REPORTS AND BILLS
VIEW ROOMS

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STAFF DASHBOARD

localhost:8080/staff/profile/whatever

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DSNL STAFF DASHBOARD

HOME whatever LOGOUT

HOME
YOUR PROFILE
VIEW PATIENTS
ADD PATIENTS
VIEW MEDICAL REPORTS AND BILLS
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VIEW ROOMS

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STAFF ID	DSNL20222
STAFF NAME	whatever
STAFF DOB	1/1/2001
STAFF MOBILE NUMBER	663613545445
STAFF DESIGNATION	sdabjksdj
STAFF DEPARTMENT	rdtchshi

STAFF DASHBOARD

localhost:8080/staff/show-patients/whatever

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HOME

YOUR PROFILE

VIEW PATIENTS

ADD PATIENTS

VIEW MEDICAL REPORTS AND BILLS

ADD MEDICAL REPORTS AND BILLS

VIEW ROOMS

PATIENTS

PATIENT ID	NAME	DOB	GENDER	BLOODGROUP	MOBILE NUMBER	ACTION
DSNL20228						DELETEUPDATE
DSNL202211	1					DELETEUPDATE
DSNL202212						DELETEUPDATE
DSNL202213	1	2	3	4		DELETEUPDATE
DSNL202214	1	1	11	1	1	DELETEUPDATE
DSNL202219	whatever	1/1/2001	Male	O+	5455	DELETEUPDATE
DSNL202225	1	1	1	1	1	DELETEUPDATE

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STAFF DASHBOARD

localhost:8080/staff/add-patient/whatever

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DSNL STAFF DASHBOARD

HOMEwhateverLOGOUT

HOME

YOUR PROFILE

VIEW PATIENTS

ADD PATIENTS

VIEW MEDICAL REPORTS AND BILLS

ADD MEDICAL REPORTS AND BILLS

VIEW ROOMS

ADD PATIENT

ENTER NAME

ENTER DOB

ENTER GENDER

ENTER BLOODGROUP

ENTER MOBILE NUMBER

SAVE PATIENT

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STAFF DASHBOARD

localhost:8080/staff/show-medrepsandbills/whatever

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DSNL STAFF DASHBOARDHOMEwhateverLOGOUT

HOMEYOUR PROFILEVIEW PATIENTSADD PATIENTSVIEW MEDICAL REPORTS AND BILLSADD MEDICAL REPORTS AND BILLSVIEW ROOMS

MEDICAL REPORTS AND BILLS

REPORT ID	DISEASE	PULSE	BLOOD PRESSURE	TEMPERATURE	WEIGHT	IN PATIENT IN DATE	IN PATIENT OUT DATE	OUT PATIENT DATE	BILL ID	TREATMENT CHARGES	MEDICINE CHARGES	ROOM CHARGES	PRE
24	1	1	1	1	1	1	1	1	2	1	1	1	

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STAFF DASHBOARD

localhost:8080/staff/add-medrepandbill/whatever

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HOMEYOUR PROFILEVIEW PATIENTSADD PATIENTSVIEW MEDICAL REPORTS AND BILLSADD MEDICAL REPORTS AND BILLSVIEW ROOMS

ADD MEDICAL REPORT AND BILL

ENTER DISEASE

ENTER PULSE

ENTER BLOOD PRESSURE

ENTER TEMPERATURE

ENTER WEIGHT

ENTER IN PATIENT IN DATE

ENTER IN PATIENT OUT DATE

ENTER OUT PATIENT DATE

ENTER TREATMENT CHARGES

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STAFF DASHBOARD

localhost:8080/staff/show-rooms/whatever

DSNL STAFF DASHBOARD

HOME whatever LOGOUT

HOME

YOUR PROFILE

VIEW PATIENTS

ADD PATIENTS

VIEW MEDICAL REPORTS AND BILLS

ADD MEDICAL REPORTS AND BILLS

VIEW ROOMS

AVAILABLE ROOMS

ROOMNO	ROOM TYPE	ROOM CHARGE	MAXIMUM OCCUPANCY
DSNLHMS20	single	1200	1
DSNLHMS21	AC	1200	1
DSNLHMS22	Non-AC	1200	2

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DSNL

localhost:8080/login

HOSPITAL MANAGEMENT SYSTEM

STAFF PATIENT ADMIN ABOUT US

choose - login or register

Not registered?
[Create an account](#)

Are you a Patient?
[Login here](#)



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DSNL x +

localhost:8080/preg

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 HOSPITAL MANAGEMENT SYSTEM  STAFF PATIENT ADMIN ABOUT US

REGISTER HERE

NAME

Enter name

GENDER

Enter gender

BLOOD GROUP

Enter designation

DATE OF BIRTH

Enter DOB(yyyy-mm-dd)

MOBILE

Enter mobile number

PASSWORD



Enter password

Activate Windows
Go to Settings to activate Windows.

DSNL x +

localhost:8080/plog

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 HOSPITAL MANAGEMENT SYSTEM  STAFF PATIENT ADMIN ABOUT US

LOGIN HERE

NAME

Enter name

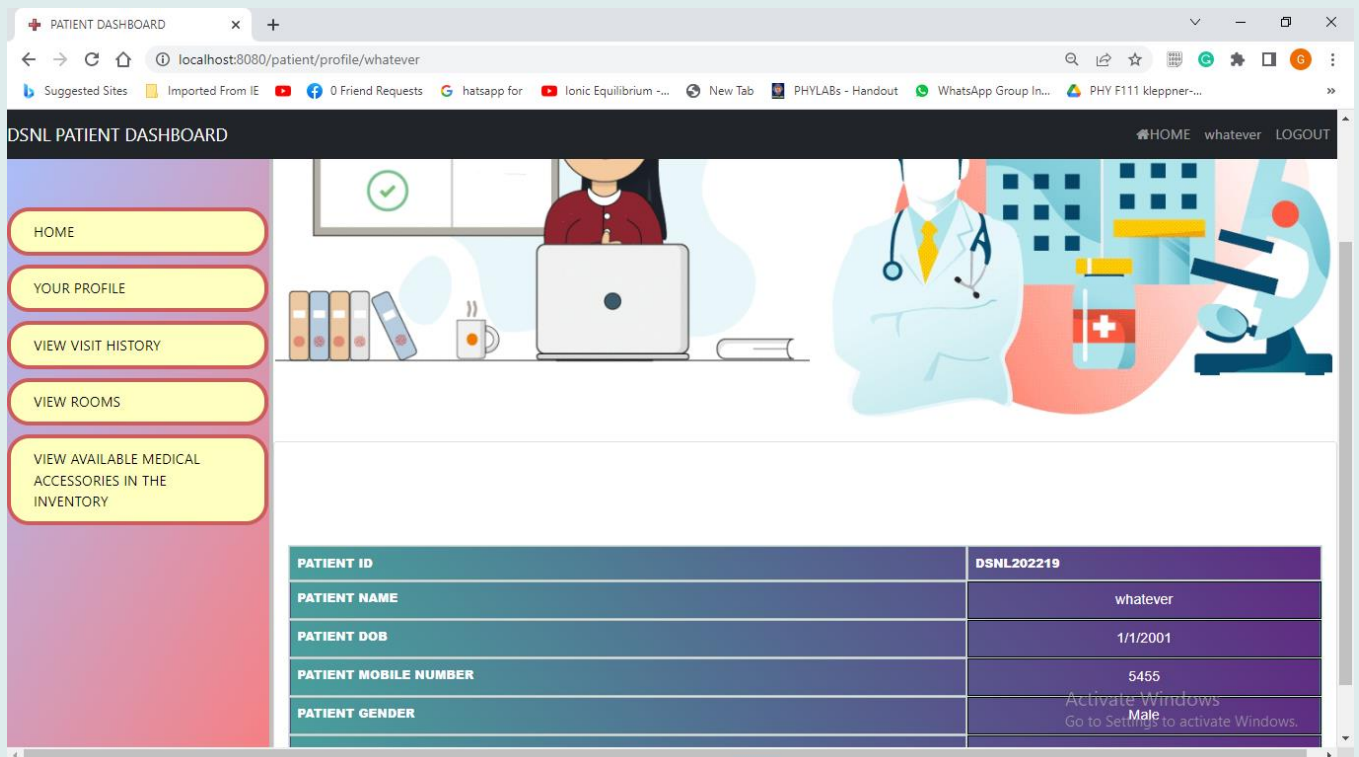
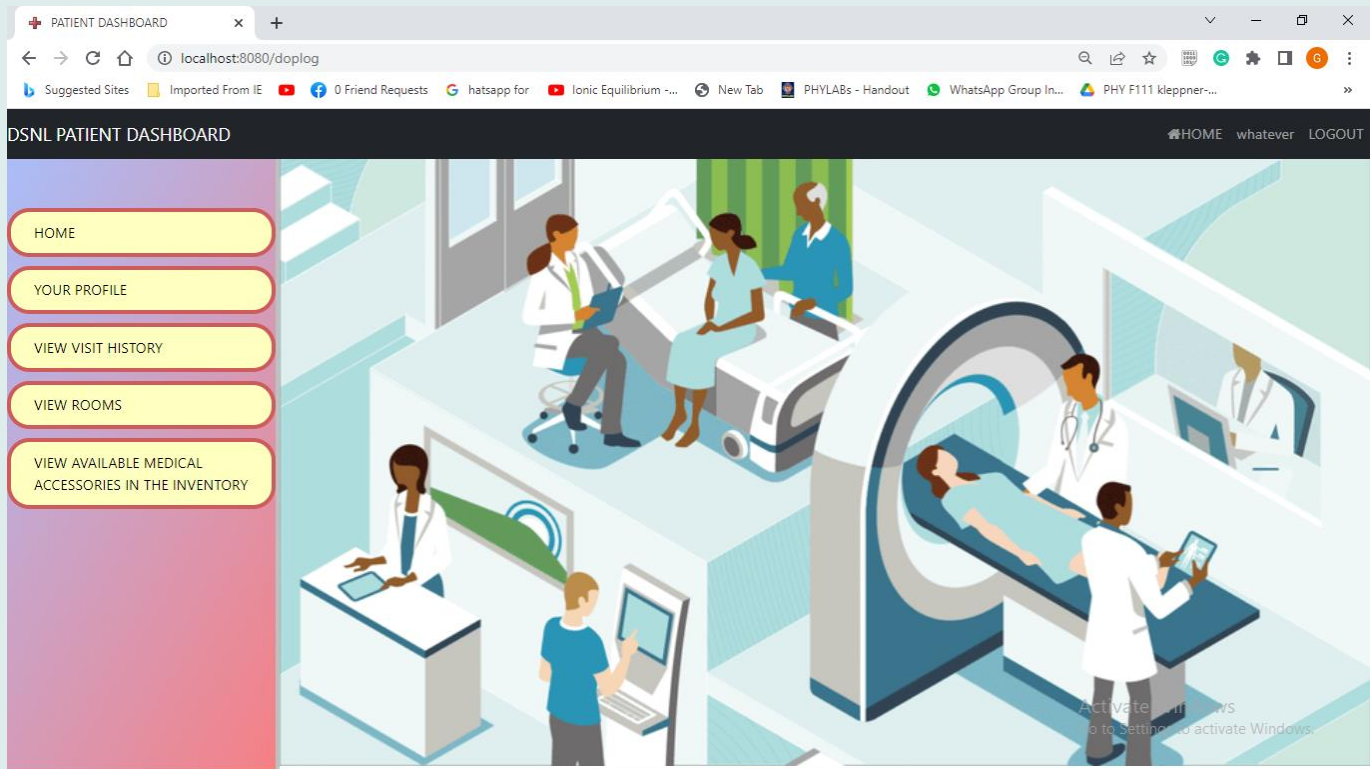
PASSWORD

Enter password

SUBMIT

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Patient Dashboard



PATIENT DASHBOARD

localhost:8080/patient/show-history/whatever

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HOMEwhateverLOGOUT

HOME

YOUR PROFILE

VIEW VISIT HISTORY

VIEW ROOMS

VIEW AVAILABLE MEDICAL ACCESSORIES IN THE INVENTORY

YOUR VISIT HISTORY

REPORT ID	DISEASE	PULSE	BLOOD PRESSURE	TEMPERATURE	WEIGHT	IN PATIENT IN DATE	IN PATIENT OUT DATE	OUT PATIENT DATE	BILL ID	TREATMENT CHARGES	MEDICINE CHARGES	ROOM CHARGES	PRE
24	1	1	1	1	1	1	1	1	2	1	1	1	

Activate Windows
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PATIENT DASHBOARD

localhost:8080/patient/show-rooms/whatever

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HOME

YOUR PROFILE

VIEW VISIT HISTORY

VIEW ROOMS

VIEW AVAILABLE MEDICAL ACCESSORIES IN THE INVENTORY

AVAILABLE ROOMS

ROOMNO	ROOM TYPE	ROOM CHARGE	MAXIMUM OCCUPANCY
DSNLHMS20	single	1200	1
DSNLHMS21	AC	1200	1
DSNLHMS22	Non-AC	1200	2

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PATIENT DASHBOARD

localhost:8080/patient/show-catalogue/whatever

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DSNL PATIENT DASHBOARD

HOMEwhateverLOGOUT

HOME

YOUR PROFILE

VIEW VISIT HISTORY

VIEW ROOMS

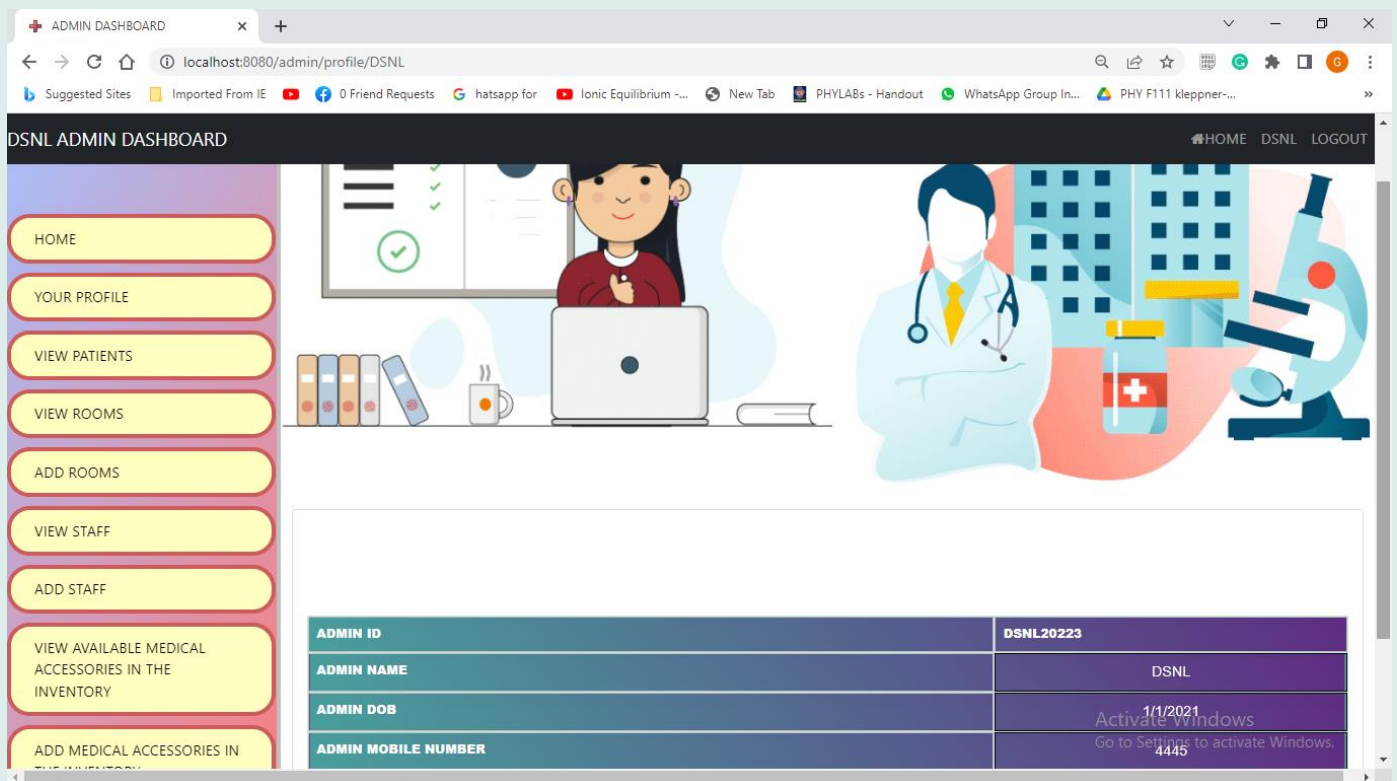
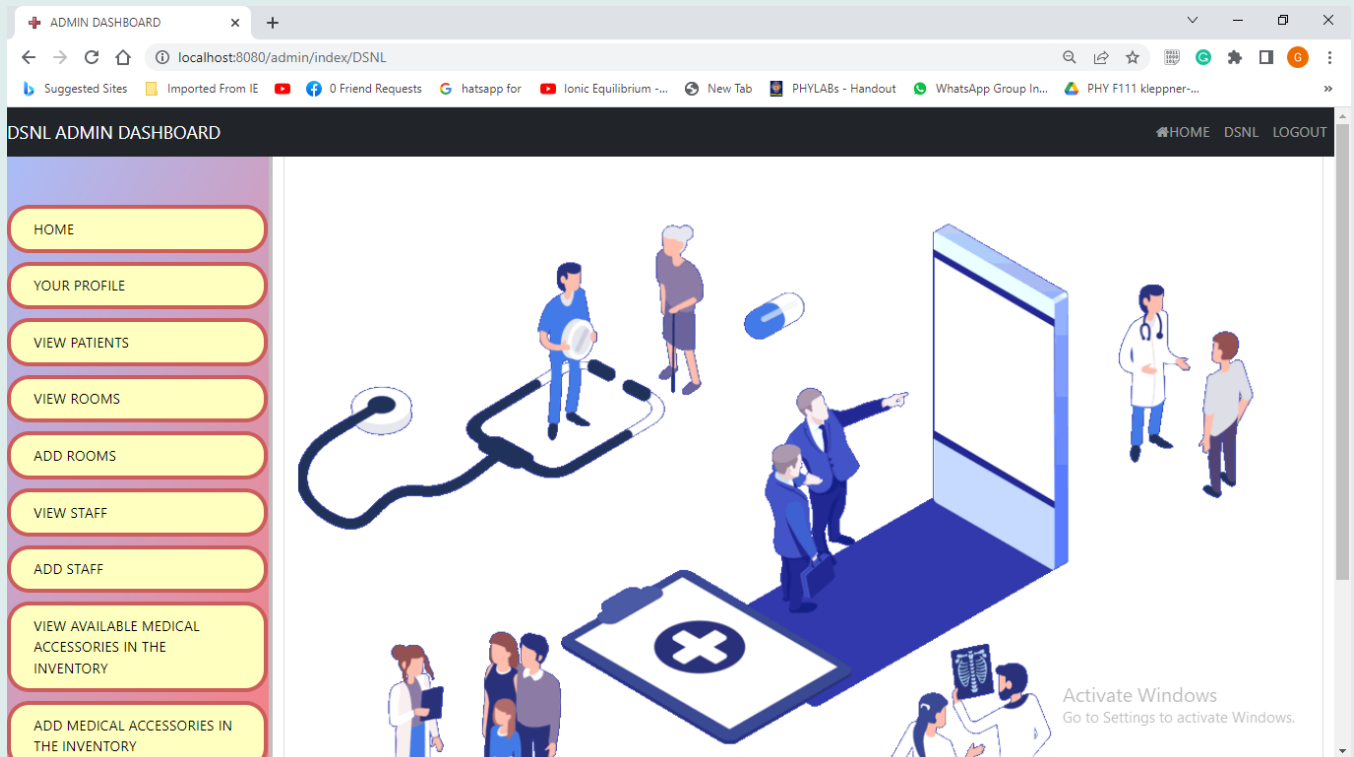
VIEW AVAILABLE MEDICAL ACCESSORIES IN THE INVENTORY

AVAILABLE MEDICAL ACCESSORIES IN THE CATALOGUE

ACCESSORY ID	ACCESSORY NAME	ACCESSORY QUANTITY
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Admin Dashboard



ADMIN DASHBOARD

localhost:8080/admin/show-patients/DSNL

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DSNL ADMIN DASHBOARD

HOME DSNL LOGOUT

HOME

YOUR PROFILE

VIEW PATIENTS

VIEW ROOMS

ADD ROOMS

VIEW STAFF

ADD STAFF

VIEW AVAILABLE MEDICAL ACCESSORIES IN THE INVENTORY

ADD MEDICAL ACCESSORIES IN THE INVENTORY

PATIENTS

PATIENT ID	NAME	DOB	GENDER	BLOODGROUP	MOBILE NUMBER	ACTION
DSNL20228						DELETEUPDATE
DSNL202211	1					DELETEUPDATE
DSNL202212						DELETEUPDATE
DSNL202213	1	2	3	4		DELETEUPDATE
DSNL202214	1	1	11	1	1	DELETEUPDATE
DSNL202219	whatever	1/1/2001	Male	O+	5455	DELETEUPDATE
DSNL202225	1	1	1	1	1	DELETEUPDATE

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THANK
YOU !!!