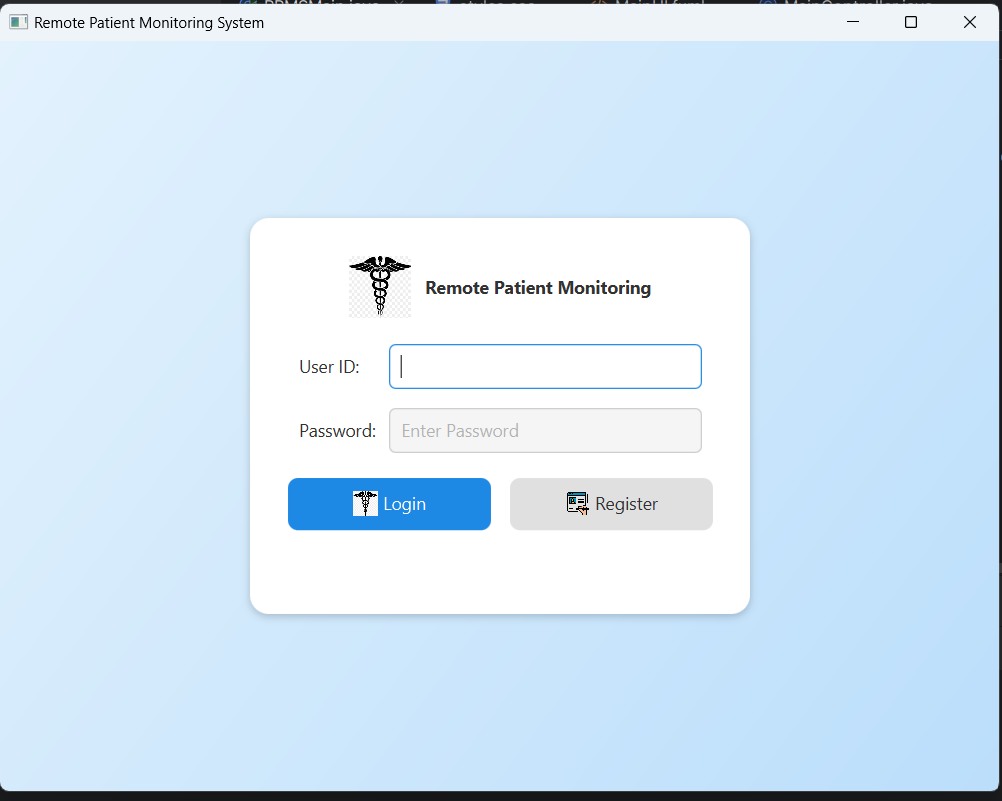
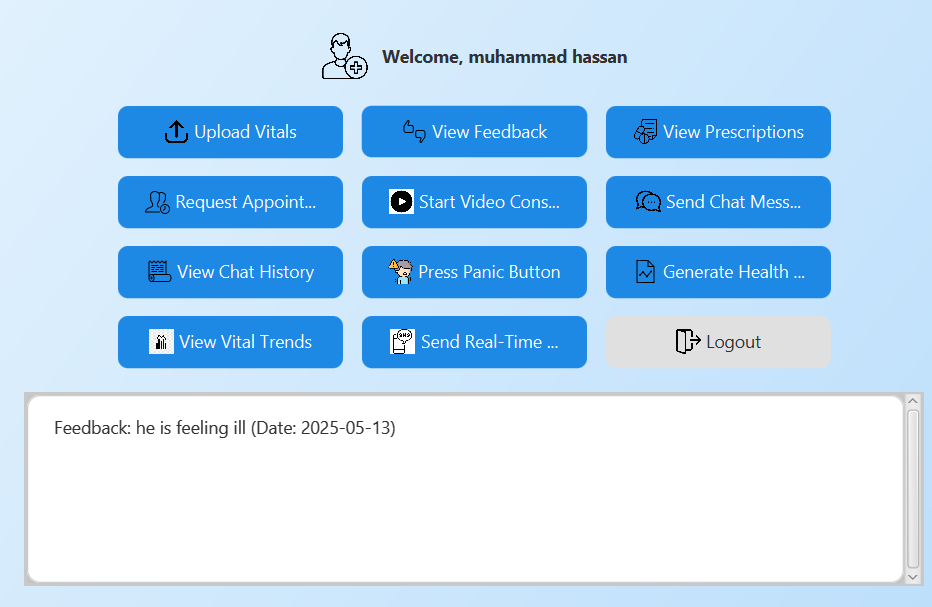
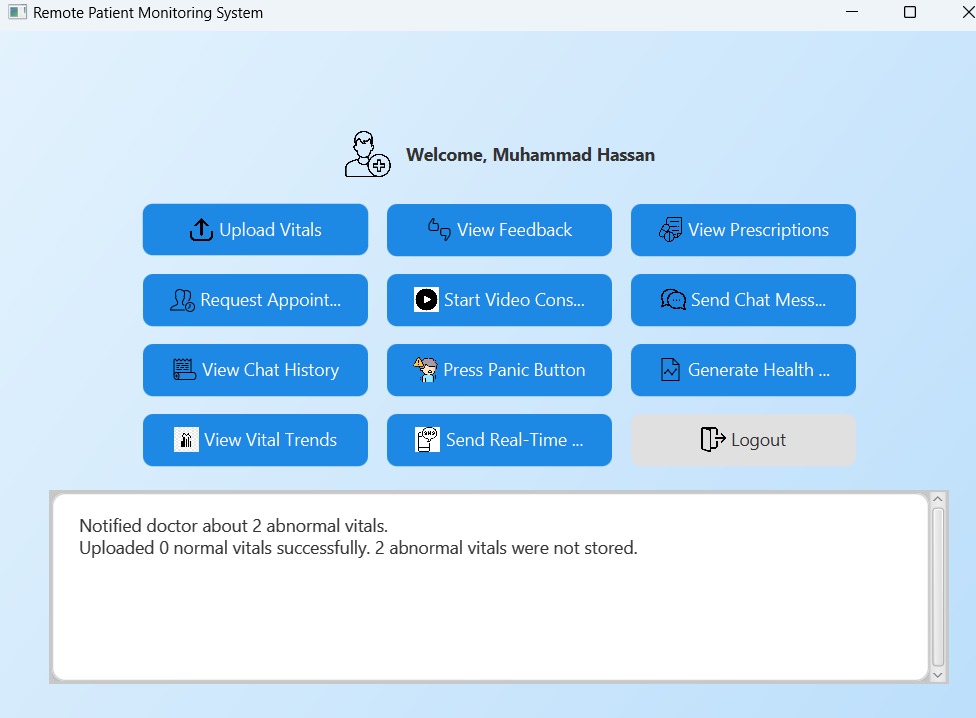
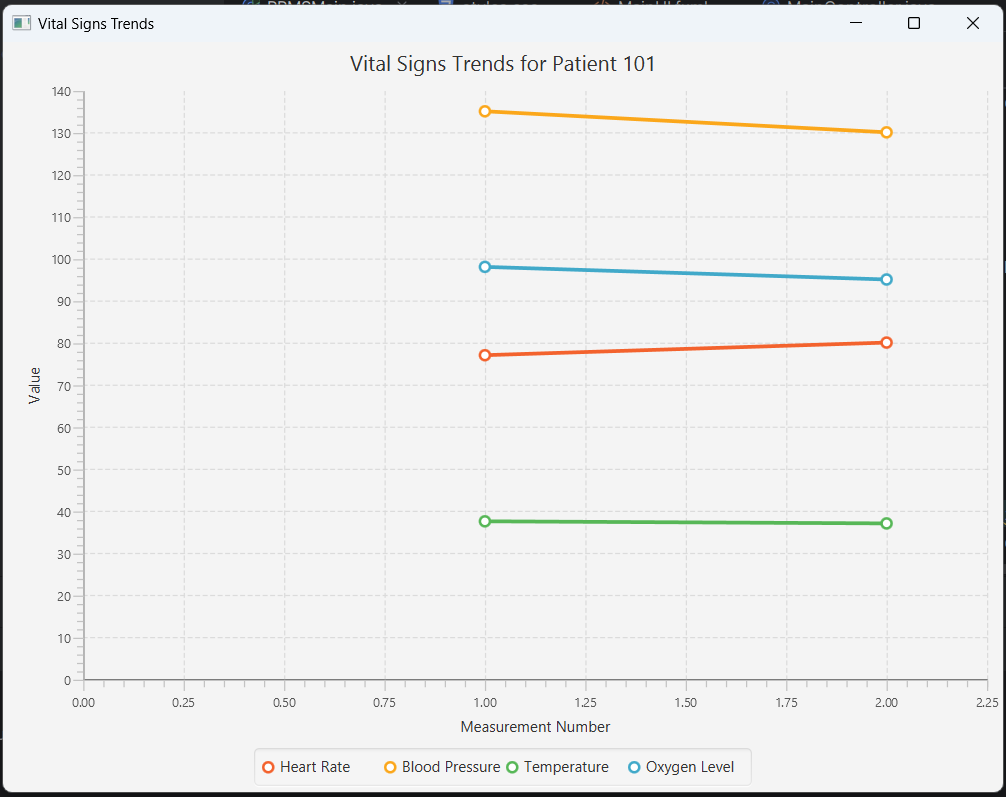
**OUTPUTS**

**GUI**:A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a chat

AI-generated content may be incorrect.A screenshot of a computer

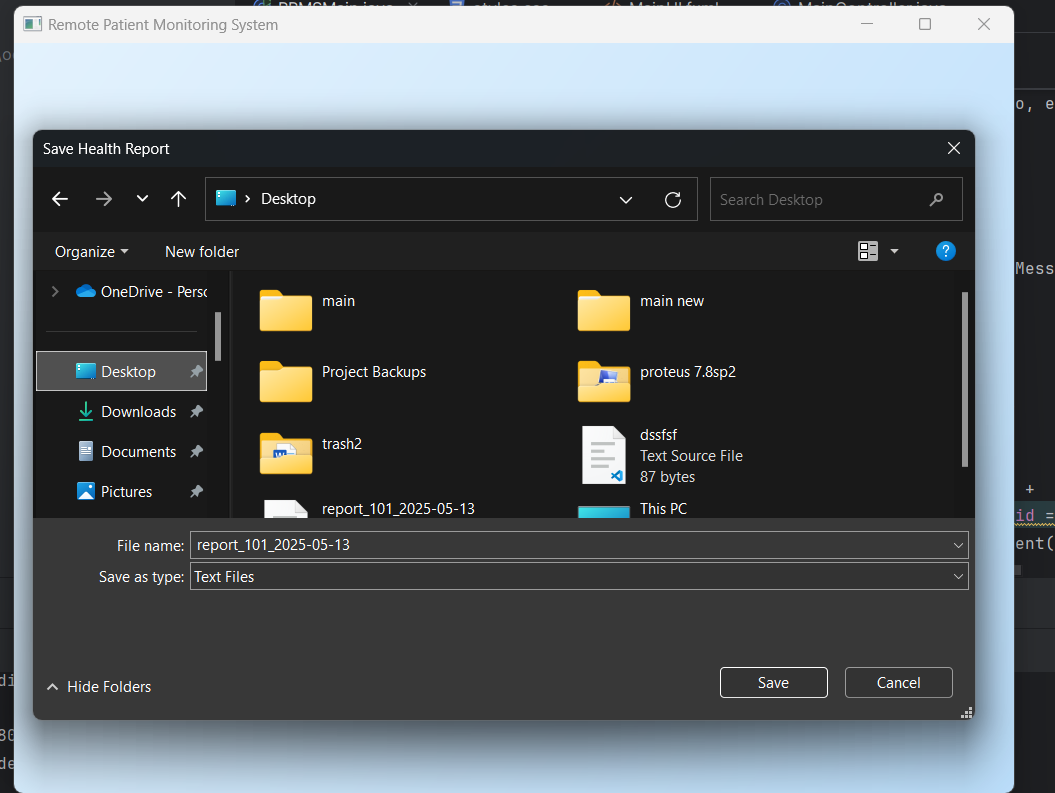
AI-generated content may be incorrect.A screenshot of a computer

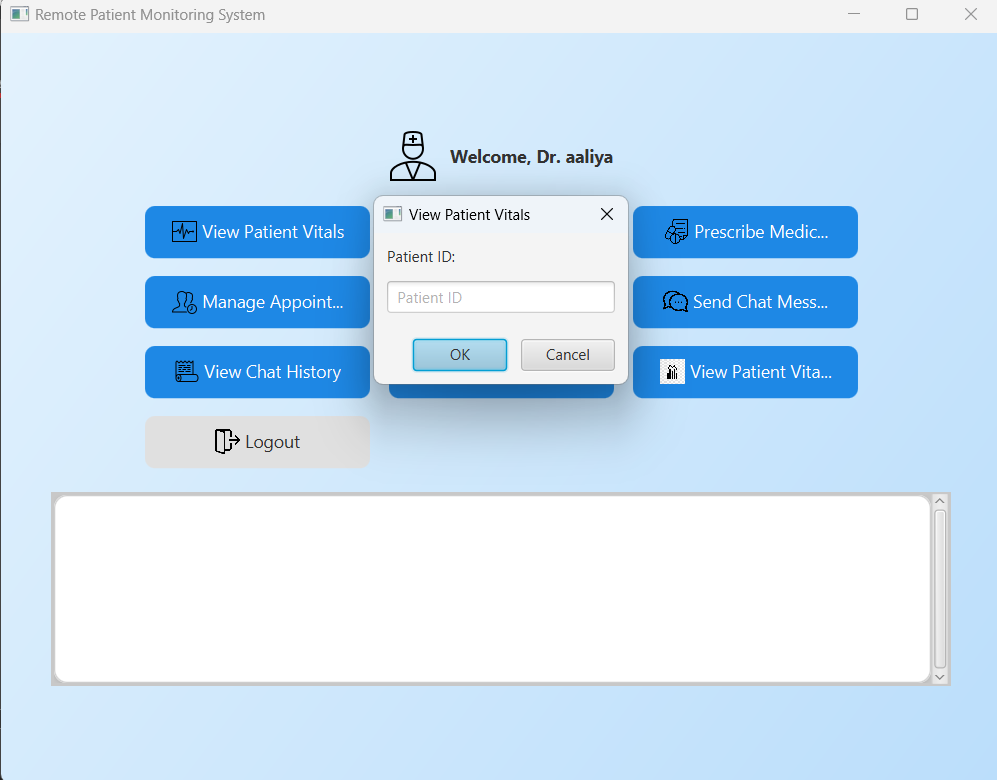
AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a chat history

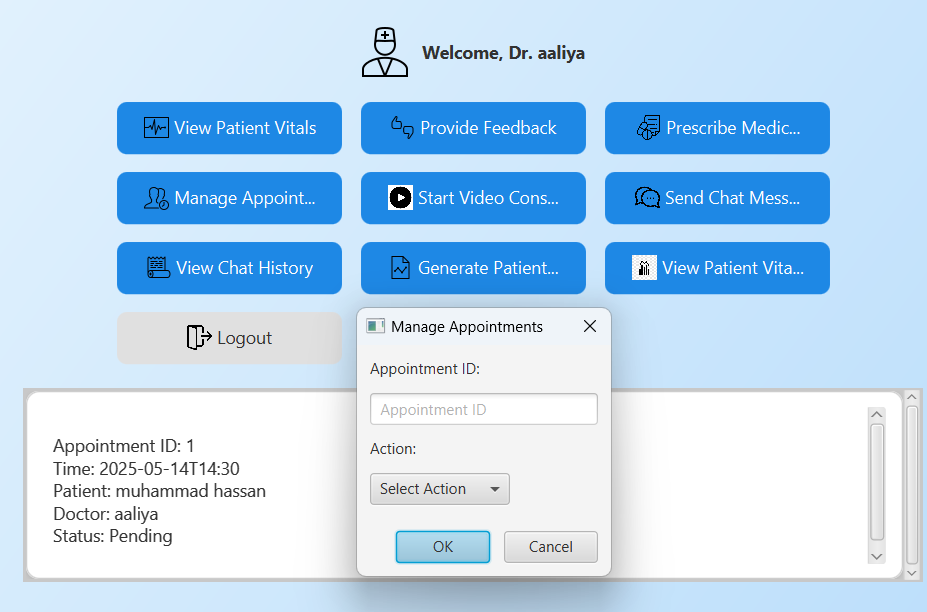
AI-generated content may be incorrect.A screenshot of a computer

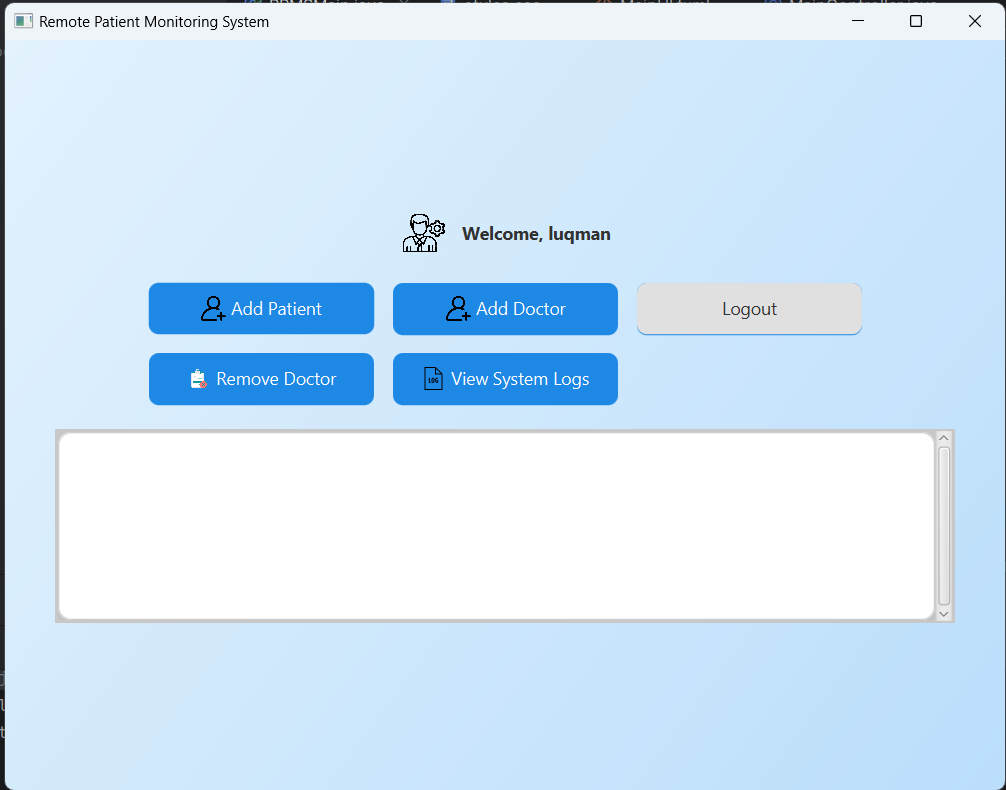
AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

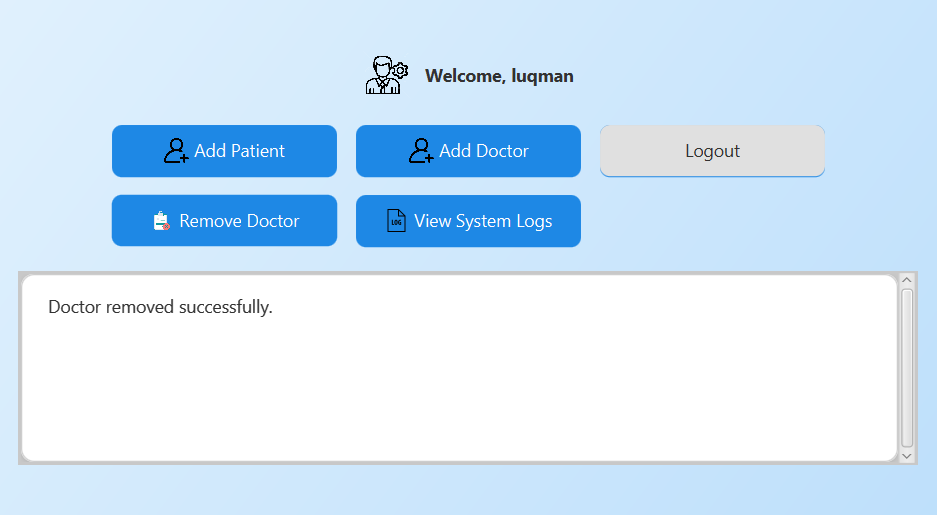
AI-generated content may be incorrect.A screenshot of a computer screen

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.

**DATABASE SCHEMA + OUTPUTS**

**SCHEMA:**

CREATE DATABASE hospitalmanagementsystem;

USE hospitalmanagementsystem;

-- Users table: Stores common user information

CREATE TABLE users (

user\_id VARCHAR(50) PRIMARY KEY,

name VARCHAR(100) NOT NULL,

contact\_info VARCHAR(20) NOT NULL,

gender VARCHAR(10) NOT NULL,

role ENUM('PATIENT', 'DOCTOR', 'ADMIN') NOT NULL,

email VARCHAR(100) NOT NULL UNIQUE

);

-- Patients table: Stores patient-specific information

CREATE TABLE patients (

user\_id VARCHAR(50) PRIMARY KEY,

birth\_date DATE NOT NULL,

admission\_date DATE,

email VARCHAR(100) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

FOREIGN KEY (user\_id) REFERENCES users(user\_id) ON DELETE CASCADE

);

-- Doctors table: Stores doctor-specific information

CREATE TABLE doctors (

user\_id VARCHAR(50) PRIMARY KEY,

joining\_date DATE NOT NULL,

specialization VARCHAR(100) NOT NULL,

email VARCHAR(100) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

FOREIGN KEY (user\_id) REFERENCES users(user\_id) ON DELETE CASCADE

);

-- Administrators table: Stores administrator-specific information

CREATE TABLE administrators (

user\_id VARCHAR(50) PRIMARY KEY,

password VARCHAR(255) NOT NULL,

joining\_date DATE NOT NULL,

FOREIGN KEY (user\_id) REFERENCES users(user\_id) ON DELETE CASCADE

);

-- Appointments table: Stores appointment details

CREATE TABLE appointments (

appointment\_id BIGINT PRIMARY KEY AUTO\_INCREMENT,

appointment\_time DATETIME NOT NULL,

patient\_id VARCHAR(50) NOT NULL,

doctor\_id VARCHAR(50) NOT NULL,

status ENUM('Pending', 'Approved', 'Canceled') NOT NULL DEFAULT 'Pending',

FOREIGN KEY (patient\_id) REFERENCES patients(user\_id) ON DELETE CASCADE,

FOREIGN KEY (doctor\_id) REFERENCES doctors(user\_id) ON DELETE CASCADE

);

-- Vitals table: Stores patient vital signs

CREATE TABLE vitals (

vital\_id BIGINT PRIMARY KEY AUTO\_INCREMENT,

patient\_id VARCHAR(50) NOT NULL,

checkup\_date DATE NOT NULL,

heart\_rate DOUBLE NOT NULL,

blood\_pressure DOUBLE NOT NULL,

body\_temperature DOUBLE NOT NULL,

oxygen\_level DOUBLE NOT NULL,

FOREIGN KEY (patient\_id) REFERENCES patients(user\_id) ON DELETE CASCADE

);

-- Feedback table: Stores feedback from doctors to patients

CREATE TABLE feedback (

feedback\_id BIGINT PRIMARY KEY AUTO\_INCREMENT,

patient\_id VARCHAR(50) NOT NULL,

doctor\_id VARCHAR(50) NOT NULL,

date DATE NOT NULL,

comments TEXT NOT NULL,

FOREIGN KEY (patient\_id) REFERENCES patients(user\_id) ON DELETE CASCADE,

FOREIGN KEY (doctor\_id) REFERENCES doctors(user\_id) ON DELETE CASCADE

);

-- Prescriptions table: Stores prescription details

CREATE TABLE prescriptions (

prescription\_id BIGINT PRIMARY KEY AUTO\_INCREMENT,

patient\_id VARCHAR(50) NOT NULL,

medication VARCHAR(100) NOT NULL,

dosage VARCHAR(50) NOT NULL,

schedule VARCHAR(100) NOT NULL,

FOREIGN KEY (patient\_id) REFERENCES patients(user\_id) ON DELETE CASCADE

);

-- Messages table: Stores chat messages between users

CREATE TABLE messages (

message\_id BIGINT PRIMARY KEY AUTO\_INCREMENT,

sender\_id VARCHAR(50) NOT NULL,

receiver\_id VARCHAR(50) NOT NULL,

message TEXT NOT NULL,

timestamp DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (sender\_id) REFERENCES users(user\_id) ON DELETE CASCADE,

FOREIGN KEY (receiver\_id) REFERENCES users(user\_id) ON DELETE CASCADE

);

-- Video Consultations table: Stores video call details

CREATE TABLE video\_consultations (

call\_id BIGINT PRIMARY KEY AUTO\_INCREMENT,

doctor\_id VARCHAR(50) NOT NULL,

patient\_id VARCHAR(50) NOT NULL,

scheduled\_time DATETIME NOT NULL,

meeting\_link VARCHAR(255) NOT NULL,

FOREIGN KEY (doctor\_id) REFERENCES doctors(user\_id) ON DELETE CASCADE,

FOREIGN KEY (patient\_id) REFERENCES patients(user\_id) ON DELETE CASCADE

);

-- System Logs table: Stores system activity logs

CREATE TABLE system\_logs (

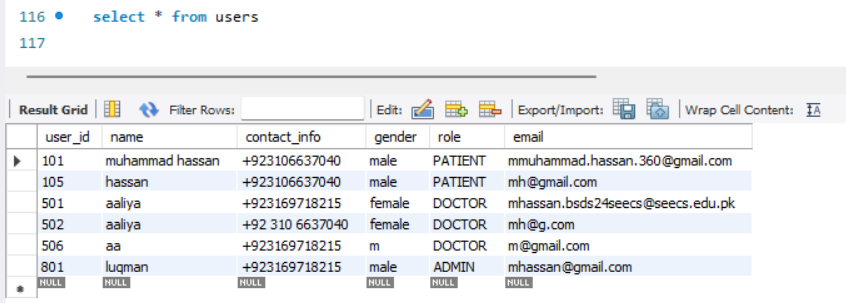
log\_id BIGINT PRIMARY KEY AUTO\_INCREMENT,

action VARCHAR(255) NOT NULL,

log\_date DATE NOT NULL

);

**OUTPUTS:**

**A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

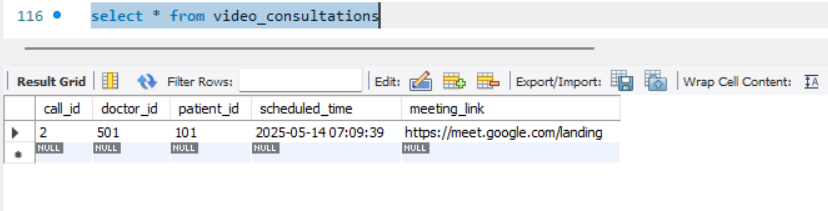
AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

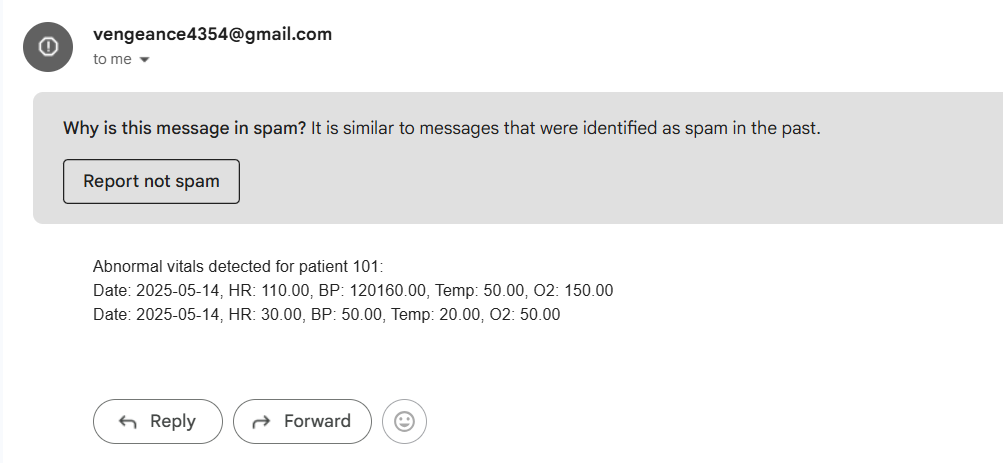
AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.**

**EMAILS:**

**ABNORMAL VITALS IN CSV**

****

**REMINDERS:A close-up of a message

AI-generated content may be incorrect.A screenshot of a message

AI-generated content may be incorrect.**

**PANIC BUTTON:A screenshot of a chat

AI-generated content may be incorrect.**