

UNIVERSITY OF NORTH TEXAS
COMPUTER SCIENCE DEPARTMENT

**CSCE 5350 FUNDAMENTALS OF
DATABASE SYSTEMS**

Project Group Number - 8

**ELECTRONIC HOSPITAL
MANAGEMENT SYSTEM**

Group Members

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Project Description:

The electronic Hospital Management system is an organized computerized application that is developed and configured to handle day-to-day hospital operations and management. This system comprises patient registration, their data storage in the system, as well as automated billing in the pharmacy and labs for tests assigned by doctors to them. The program may assign each patient a unique identifier and automatically save the patient's and staff's (Doctor, Nurse, Lab Technician, Accountant) information. A username and password are required to access the Hospital Management System and an administrator has access to modify those data in the Hospital database. Patients can log in and make an appointment with the Doctor choosing the appropriate specialty of the Doctor for their treatment. Doctors can view and manage the appointment according to their schedule and update the data required for patient treatment and can assign the various tests required for the patients to identify the patient condition. The lab technician can be able to view the various tests assigned by Doctors to the patients and can act accordingly. It's designed for multispecialty hospitals and covers a wide range of administrative and management tasks. It is a completely integrated end-to-end hospital management system that effortlessly transmits crucial information across the hospital to aid successful decisionmaking for patient care, hospital administration, and vital financial accounting, as well as ensuring a glitch-free experience for patients.

Tools and Technologies used:

Technologies & Frameworks:

- PHP, HTML, CSS, AJAX, BOOTSTRAP, MySQL and JavaScript

Tools & Utilities:

- Visual Studio Code and XAMPP

Installation and Deploying of the Project:

Steps involved in Deployment:

1. Install Xampp software to act as a local host and a server.
2. Install Visual Studio Code you can use it to run the project in the Terminal and correct errors displayed in the Output Area

Steps involved in Running the Application:

1. Download the Zip file
2. Extract the files to the htdocs folder located in Xampp which resides in the C drive.
3. Head over to Xampp software and start Apache and MySQL modules services.
4. Create a hospital database and import the SQL file into the database folder.
5. Run the below localhost script by placing it in any of your browsers.
<http://localhost/FDB/UntFdbProjectEHMS2022/Source%20Code/Front-End/VIEW/HTML/index.php>

Navigation Menu:

About Us: Displays Hospital Information and its Staff Demographical data.

Contact Info: Provides the privilege to connect with Hospital Management by Sharing information to contact.

Register: It accommodates a new screen for the registration by taking some Information.

Log In: It redirects to the new screen where you have the privilege to log in to different dashboards as per the type of the user.

Home Page:



On the Home page, the user (patient) who utilizes this application can navigate to Register to get registration, can navigate to different screens through contact info and About Us links, Log in to different dashboards and perform different tasks such as making appointments, managing patient's information, etc.

About Us page:



Electronic Hospital Management System

Contact Info Register Log In

About Electronic Hospital Management System

Electronic Hospital Management System is one of the region's largest, most comprehensive healthcare providers in the Dallas-Fort Worth area comprised of.

- 2 North Texas hospitals
- 1 off-campus emergency room
- 5 ambulatory surgery centers
- 1,000 employees
- 60 nurses
- 50 active physicians
- 60 COVID-19 patients
- \$3 million in charity

Parking & Transportation
Free parking is available for all patients and visitors on the Texas Health Denton campus. For more information on where parking is available, view or print a copy of the adjacent campus map.



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About Us, the page provides the information relevant to the Hospital and its staff i.e. How many active Physicians, Nurses are available, parking and transportation details, etc.

Contact Info Page:



Electronic Hospital Management System

About Us Register Log In

Contact Us:

Name

Phone

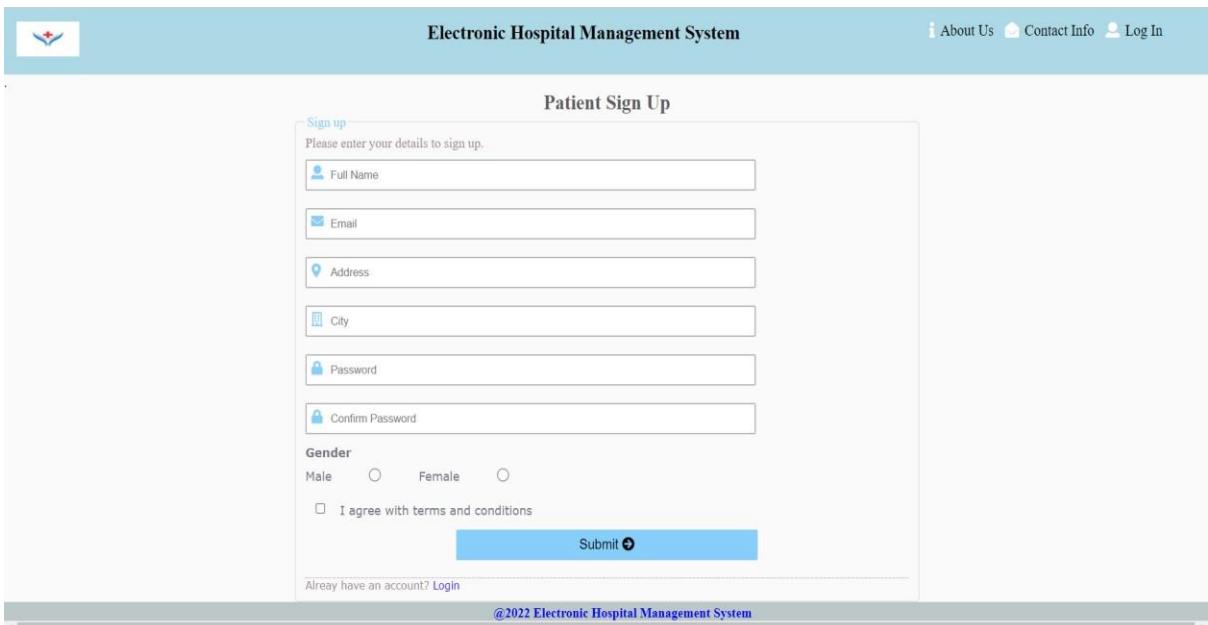
Email

Type your message here

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Contact info page prompts the Name, Phone, Email, and Message they want to write from the user. So, that Management can view those and answer their queries.

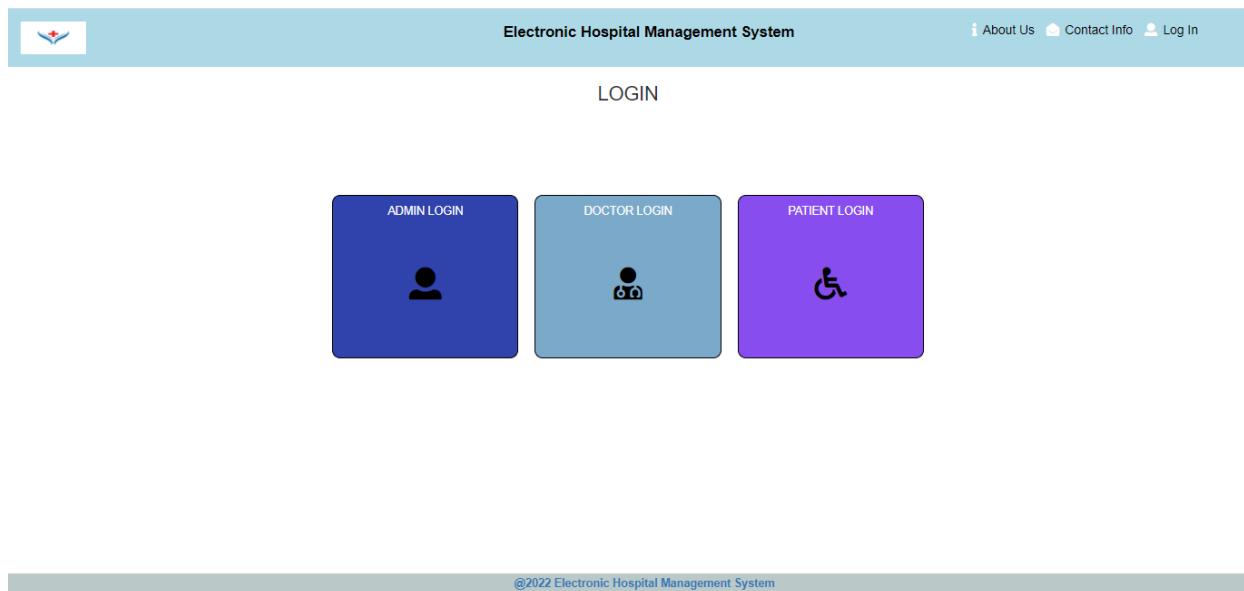
Patient Sign up Page:



The screenshot shows the 'Patient Sign Up' page of the Electronic Hospital Management System. At the top, there's a logo of a heart with wings. The title 'Electronic Hospital Management System' is centered above the form. On the right, there are links for 'About Us', 'Contact Info', and 'Log In'. The main form has a light gray background with a white input area. It starts with a 'Sign up' section asking for details to sign up. Below that are five input fields: 'Full Name' (with a person icon), 'Email' (with an envelope icon), 'Address' (with a location pin icon), 'City' (with a city building icon), and 'Password' (with a lock icon). There's also a 'Confirm Password' field. Underneath these fields is a 'Gender' section with 'Male' and 'Female' radio buttons. A checkbox labeled 'I agree with terms and conditions' is present, followed by a 'Submit' button with a circular arrow icon. At the bottom left, there's a link 'Already have an account? Login'.

The patient Sign up page is directed by the register link from the Home page where the patient will have the privilege to do registration for the first time and can access the application relentlessly to perform their tasks.

Log in Page:



The screenshot shows the 'LOGIN' page of the Electronic Hospital Management System. The top navigation bar includes a logo, the title 'Electronic Hospital Management System', and links for 'About Us', 'Contact Info', and 'Log In'. Below the title, the word 'LOGIN' is centered. The page features three large, rounded rectangular buttons for different user types: 'ADMIN LOGIN' (dark blue background, person icon), 'DOCTOR LOGIN' (light blue background, doctor icon), and 'PATIENT LOGIN' (purple background, wheelchair icon). At the bottom, there's a footer bar with the text '@2022 Electronic Hospital Management System'.

Login link from Home Page directs Login Page accommodate the facility to log in different login for the type or role of the user for accessing respective dashboard and perform their tasks.

Admin Login Page:

The screenshot shows the 'Admin Login' page of the 'Electronic Hospital Management System'. At the top, there is a logo of a stylized bird or wings. The title 'Electronic Hospital Management System' is centered above the login form. To the right, there are links for 'About Us', 'Contact Info', and 'Log In'. The main form is titled 'Admin Login' and contains a sub-instruction 'Sign into your account'. It asks the user to 'Please enter your email and password to log in.' There are two input fields: one for 'Email' with a placeholder icon and another for 'Password' with a placeholder icon. Below these fields is a blue 'Login' button with a circular arrow icon. At the bottom of the page, a footer bar displays the copyright notice '@2022 Electronic Hospital Management System'.

Admin login is where the admin i.e. Hospital Management staff can log in using their username or email along with password and can access their dashboard.

Patient Login Page:

The screenshot shows the 'Patient Login' page of the 'Electronic Hospital Management System'. The layout is identical to the Admin Login page, featuring a logo at the top left, the system title in the center, and navigation links on the top right. The main form is titled 'Patient Login' and includes the instruction 'Sign into your account' and the request 'Please enter your Patient ID and password to log in.'. It has two input fields: one for 'Patient ID' and one for 'Password', both with placeholder icons. Below the fields is a blue 'Login' button with a circular arrow icon. A link 'Forgot Password?' is located just above the login button. At the bottom of the page, a footer bar displays the copyright notice '@2022 Electronic Hospital Management System'.

The patient Login page is directed when the patient navigates to the Patient Login of the Login Page. They can be logged in to the application by providing a Patient ID and password.

Doctor Login Page:

The screenshot shows the 'Doctor Login' page of the 'Electronic Hospital Management System'. At the top, there is a logo of a stylized bird or wings. To the right of the logo, the system name is displayed. On the far right, there are links for 'About Us', 'Contact Info', and 'Log In'. Below the header, the page title 'Doctor Login' is centered. A sub-instruction 'Sign into your account' is followed by a message 'Please enter your Doctor ID and password to log in.' There are two input fields: one for 'Doctor ID' with a placeholder icon of a doctor's head and another for 'Password' with a placeholder icon of a lock. Below these fields is a link 'Forgot Password?'. At the bottom of the form is a blue 'Login' button with a circular arrow icon. The footer of the page contains the copyright notice '@2022 Electronic Hospital Management System'.

Doctor Login page is directed from the Login page where doctors provide their ID and password to access the application and can perform tasks such as managing appointments, Patient Visits, etc.

Admin Dashboard:

The screenshot shows the 'Admin | Dashboard' page of the 'Electronic Hospital Management System'. At the top, there is a header bar with the system name, a menu icon, user status indicators (0 messages, 0 notifications), the current user ('Admin'), and a 'LOGOUT' button. The main dashboard area has six data cards arranged in a 2x3 grid. Each card has a light blue header and a white body. The first row contains three cards: 'DOCTORS' (2, VIEW MORE), 'NURSES' (1, VIEW MORE), and 'PATIENTS' (3, VIEW MORE). The second row contains three cards: 'LAB TECHNICIAN' (1, VIEW MORE), 'MEDICINE' (2, VIEW MORE), and 'PAYMENT' (1, VIEW MORE). The footer of the page contains the copyright notice '@2022 Electronic Hospital Management System'.

Admin Dashboard is accessible to the Hospital Management (Admin) where they can have access to view and update the data of Patients, Nurses, Doctors, Lab technicians, Medicine, and Payments.

The screenshot shows the Admin | Dashboard page. On the left is a vertical sidebar menu with categories: Doctors, Nurses, Accountant, Pharmacist, Lab Technician, Patients, and Enquiries. Each category has sub-links like 'Add Doctor', 'Manage Doctors', etc. At the top right are notification icons (0 messages, 0 notifications) and a 'Logout' button. The main area displays four summary boxes: 'DOCTORS' (2), 'NURSES' (1), 'LAB TECHNICIAN' (1), and 'MEDICINE' (2). Each box has a 'VIEW MORE' link at the bottom.

EHMS Management System

Admin | Dashboard

DOCTORS 2

NURSES 1

LAB TECHNICIAN 1

MEDICINE 2

VIEW MORE

VIEW MORE

VIEW MORE

VIEW MORE

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This Dashboard has a menu item to manage various tasks where the admin can perform updating the Doctor, Nurses, Patients, etc. existing data and also add new records to their respective tables.

The screenshot shows the Patients | Appointment History page. At the top right are notification icons (0 messages, 2 notifications) and a 'Logout' button. The main area displays a table with one row of data:

#	Patient Email	Doctor Name	Specialization	Appointment Creation Date	Appointment Date	Appointment Time	Action
1	patient@gmail.com	XYZ	Dermatologist	25-April-2022	28-April-2022	18:21	Approved

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On click of Notifications, the Appointment history page will be visible to the admin i.e. Hospital Management.

The screenshot shows the 'Patients | FeedBack' section of the system. At the top, there is a navigation bar with a logo, the text 'Electronic Hospital Management System', and user status indicators (Admin, LOGOUT). Below the navigation bar, a table displays patient feedback data:

#	User	Rate	Services	Complains	Suggestion	Send Date	Delete
1	megh@gmail.com	Fair	Best	No	good site	31-March-2022 11:30:17 am	X
2	user@gmail.com	Fair	Best	No	Need more features	17-March-2022 03:50:57 pm	X

When Admin clicks the queries, the Patient queries page will be visible to the Admin.

The screenshot shows the 'Admin | Add Doctor' page. At the top, there is a navigation bar with a logo, the text 'Electronic Hospital Management System', and user status indicators (Admin, LOGOUT). Below the navigation bar, the page title 'Admin | Add Doctor' is displayed. The main content area contains a form titled 'Add Doctor' with fields for Name, Email, Select Specialization (dropdown menu), Phone, Password, and Confirm Password. A 'Save' button is located at the bottom right of the form.

On click of Add Doctor present under doctors in the side Navigation menu. Add Doctor page will be visible to the admin so that add new doctor by providing the information related to Doctor.

The screenshot shows the 'Admin | Manage Doctors' page. At the top, there's a header with the system logo and name 'Electronic Hospital Management System'. To the right are notification icons for messages (0) and notifications (+0), the user 'Admin' with a profile icon, and a 'LOGOUT' button. Below the header, the title 'Admin | Manage Doctors' is displayed. A table lists one doctor entry:

#	Name	Email	Specialization	Phone	Entry date	Action
1	Jaisrinadh	jaisrinadh@gmail.com	Dermatologist	0728262277	19-04-2222	

At the bottom of the page is a footer bar with the text '@2022 Electronic Hospital Management System'.

Admin will be able to see the Manage Doctors screen by navigating to the Manage Doctors menu item under the Doctors section in the sidebar of the Admin Dashboard.

The screenshot shows the 'Admin | Add Nurse' page. The header and navigation are identical to the Manage Doctors screen. The main content area contains a form titled 'Add Nurse' with fields for Name, Email, Select Specialization (with a dropdown menu), Phone, Password, and Confirm Password. A 'Save' button is at the bottom of the form. The footer bar at the bottom has the text '@2022 Electronic Hospital Management System'.

On click of Add Nurse present under Nurses in the side Navigation menu. Add Nurse page will be visible to the Admin so that add new doctor by providing the information related to Nurse.

#	Name	Email	Specialization	Phone	Entry date	Action
1	Liam	liam@gmail.com	Dermatologist	09803428976	15-01-2222	
2	Mario	mario@gmail.com	Orthopaedic	09408974563	19-03-2222	

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Admin will be able to see the Manage Nurses screen by navigating to the Manage Nurses menu item under the Nurses section in the sidebar of Admin Dashboard.

Add Cashier

Name:

Email:

Phone:

Password:

Confirm Password:

Save

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On click of Add Cashier present under Accountant in the side Navigation menu. Add Accountant page will be visible to the Admin so that add new doctor by providing the information related to Accountant.

#	Name	Email	Phone	Entry date	Action
1	MELISSA	melissa@gmail.com	0797876336	17-02-2222	

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Admin will be able to see the Manage Accountant screen by navigating to the Manage Accountant menu item under the Accountant section in the sidebar of Admin Dashboard.

#	Name	Email	Send date	Amount	Due Amount	Status
1	Sameer Han	sameer@gmail.com	20-March-2022	5700	0	Paid
2	Jolly Babin	jollybabn@gmail.com	21-March-2022	4700	0	Paid
3	Sai Pathak	saipathak@gmail.com	26-March-2022	5200	0	Paid
4	Victoria Jamin	victoria@gmail.com	27-March-2022	3000	0	Paid
5	Kamusa Sami	kamusa12@gmail.com	27-March-2022	4090	0	Paid
6	Coreeta Harris	coretaharris@gmail.com	27-March-2022	4000	3100	Not Paid
7	dariene Mund	darienemund@gmail.com	27-March-2022	5300	0	Paid
8	Roxie Galyean	roxiegalyean@gmail.com	28-March-2022	7700	800	Not Paid
9	Melida Wailers	melidawailers@gmail.com	17-March-2022	5700	0	Not Paid
10	Minta Lofton	mintalofton@gmail.com	28-March-2022	4700	0	Not Paid

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Admin will be able to see the Manage Accounts screen by navigating to the Manage Accounts menu item under the Accountant section in the sidebar of the Admin Dashboard.

The screenshot shows the 'Add Pharmacist' form within the Admin dashboard. The form contains fields for Name, Email, Phone, Password, and Confirm Password. A 'Save' button is at the bottom. The top navigation bar includes a logo, the system name, and user status indicators.

Add Pharmacist

Name

Email

Phone

Password

Confirm Password

Save

On click of Add Pharmacist present under Pharmacist in the side Navigation menu. Add Pharmacist page will be visible to the Admin so that add new doctor by providing the information related to Pharmacist.

The screenshot shows the 'Manage Pharmacist' list. It displays a single record with columns for #, Name, Email, Phone, Entry date, and Action. The entry is for Navab Han with email navabhan@gmail.com, phone 8563214795, and entry date 21-03-2222. An edit and delete icon is in the Action column.

#	Name	Email	Phone	Entry date	Action
1	Navab Han	navabhan@gmail.com	8563214795	21-03-2222	

Admin will be able to see the Manage Pharmacist screen by navigating to the Manage Pharmacist menu item under the Pharmacist section in the sidebar of Admin Dashboard.

The screenshot shows the 'Electronic Hospital Management System' interface. At the top, there is a header bar with the system name, a logo, and user status indicators (0 notifications, 0+ pending). The main content area is titled 'Admin | Add Lab Technician'. It contains a form titled 'Add Lab Technician' with fields for Name, Email, Phone, Password, and Confirm Password. A 'Save' button is at the bottom. The footer displays the copyright information: '@2022 Electronic Hospital Management System'.

On click of Add Lab Technician present under Lab Technician in the side Navigation menu. Add Lab Technician page will be visible to the Admin so that add new doctor by providing the information related to Lab Technician.

The screenshot shows the 'Electronic Hospital Management System' interface. At the top, there is a header bar with the system name, a logo, and user status indicators (0 notifications, 0+ pending). The main content area is titled 'Admin | Manage Lab Technician'. It displays a table with columns: #, Name, Email, Phone, Entry date, and Action. The table has one row with data: #1, Sam Johnson, samjohnson@gmail.com, 09803428976, 15-01-2222, and a delete icon. The footer displays the copyright information: '@2022 Electronic Hospital Management System'.

#	Name	Email	Phone	Entry date	Action
1	Sam Johnson	samjohnson@gmail.com	09803428976	15-01-2222	

Admin will be able to see Manage Lab Technician screen by navigating to the Manage Lab Technician menu item under the Lab Technician section in the sidebar of the Admin Dashboard.

Admin | Add Patients

Add Patients

Full Name

Phone

Email

City

Address

dd-mm-yyyy

Gender

Male Female

Save

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On click of Add Patients present under Accountant in the side Navigation menu. Add Patients page will be visible to the Admin so that add new doctors by providing the information related to Patients.

Admin | Manage Patients

#	Name	Phone	Email	City	Address	D.o.b	Date	Gender	View
1	AnderCashev	09934517894	andercashew@gmail.com	DENTON	665-BERNARD STREET	15-October-2009	2022-01-15	Female	
2	Robin Albert	05735649871	robin@gmail.com	PLANO	146-MCKINNEYSTREET	13-December-2007	2022-03-23	Male	
3	Williams	09407864352	williams@gmail.com	MCKINNEY	204-WEST UNIVERSITY	15-March-1999	2022-04-15	Male	
4	Joseph	08976285354	joseph@gmail.com	FRISCO	209-ROBIN STREET	22-October-2005	2022-04-15	Male	
5	Asifa	08971235397	asifa@gmail.com	DENTON	101-AvenueA	17-February-1996	2022-02-15	Female	
6	Renney	09083879241	renney@gmail.com	DALLAS	908-PARKER STREET	12-October-1980	2022-03-09	Female	
7	Marin	04316785465	marin@gmail.com	IRVING	506-SEPHIN STREET	27-May-2020	2022-03-25	Male	
8	Sedrick	09087564389	sedrick@gmail.com	DENTON	256-CHROMICK STREET	23-May-1998	2022-04-13	Male	

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Admin will be able to see the Manage Patients screen by navigating to the Manage patient menu item under the Patients section in the sidebar of the Admin Dashboard.

Electronic Hospital Management System

0 Admin LOGOUT

Patients | Appointment History

#	Patient Email	Doctor Name	Specialization	Appointment Creation Date	Appointment Date	Appointment Time	Action
1	Joseph@gmail.com	Jaisrinadh	Clinical Officer	21-April-2022	22-April-2022	10:55	Approved
2	Williams@gmail.com	Jaisrinadh	Dermatologist	27-March-2022	28-March-2022	15:12	Approved

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Admin will see the Appointment History screen by navigating to the Appointment History menu item under the Patients section in the sidebar of the Admin Dashboard.

Electronic Hospital Management System

0 Admin LOGOUT

Patients | FeedBack

#	User	Rate	Services	Complains	Suggestion	Send Date	Delete
1	chandram@gmail.com	Fair	Best	No	Not applicable	22-April-2022 03:50:55 pm	X
2	manojch@gmail.com	Fair	Best	No	Not applicable	19-April-2022 03:50:56 pm	X
3	naveeny@gmail.com	Fair	Best	No	Not applicable	18-April-2022 03:50:56 pm	X
4	teenas@gmail.com	Fair	Best	No	Not applicable	17-April-2022 03:50:55 pm	X
5	paulk@gmail.com	Fair	Best	No	Not applicable	17-April-2022 03:50:55 pm	X
6	swathis@gmail	Fair	Best	No	Not applicable	17-April-2022 03:50:54 pm	X
7	mehanag@gmail	Fair	Best	No	Not applicable	17-April-2022 03:49:57 pm	X
8	amulyach@gmail.com	Fair	Best	No	Not applicable	16-April-2022 03:50:56 pm	X
9	anurag@gmail.com	Fair	Best	No	Not applicable	12-April-2022 03:50:57 pm	X
10	syamg@gmail	Fair	Best	No	Not applicable	07-April-2022 03:50:54 pm	X
11	rana@gmail.com	Fair	Best	No	Not applicable	31-March-2022 03:50:55 pm	X
12	subramanyams@gmail	Fair	Best	No	Not applicable	31-March-2022 03:50:52 pm	X
13	hari@gmail.com	Fair	Best	No	Not applicable	29-March-2022 03:50:57 pm	X
14	bharath@gmail.com	Fair	Best	No	Not applicable	28-March-2022 03:50:57 pm	X
15	lejach@gmail.com	Fair	Best	No	Not applicable	28-March-2022 03:50:56 pm	X
16	abhaya@gmail.com	Fair	Best	No	Not applicable	27-March-2022 03:50:56 pm	X
17	sekhar@gmail	Fair	Best	No	Not applicable	27-March-2022 03:50:55 pm	X
18	vishnum@gmail.com	Fair	Best	Nn	Not applicable	26-March-2022 03:50:56 nm	X

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Admin will see Feedback screen by navigating to Feedback menu item under inquiries section in the sidebar of Admin Dashboard.

The screenshot shows the 'Patients | Queries' page of the system. At the top, there's a header with the logo and the text 'Electronic Hospital Management System'. On the right side of the header, there are notification icons for messages (0) and notifications (+0), the user 'Admin' with a profile icon, and a 'LOGOUT' button. Below the header, the main content area has a title 'Patients | Queries'. Underneath the title is a table with the following data:

#	Name	Phone	Email	Message	Send Date	Status	View or Delete
1	SWATHI	0721692107	swathis@gmail.com	do you offer ambulance services?	21-April-2022 10:56:58 am	Seen	

At the bottom of the page, there's a footer bar with the text '@2022 Electronic Hospital Management System'.

Admin will see the Queries screen by navigating to the Queries menu item under the Inquiries section in the sidebar of the Admin Dashboard.

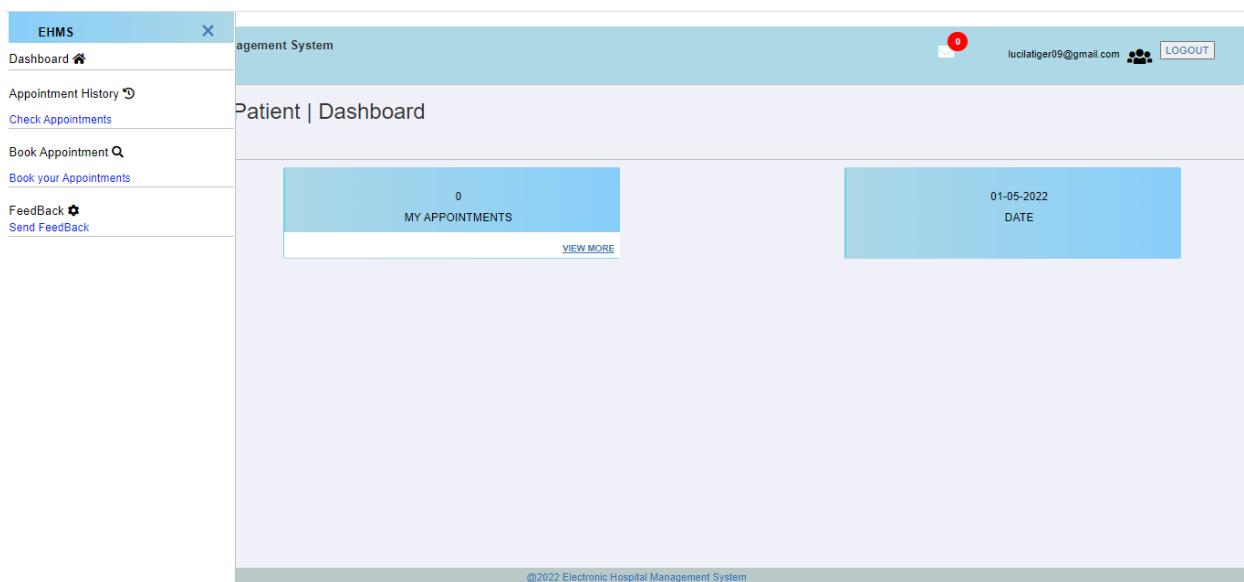
The screenshot shows the 'Admin | Change Password' page. At the top, there's a header with the logo and the text 'Electronic Hospital Management System'. On the right side of the header, there are notification icons for messages (0) and notifications (+0), the user 'Admin' with a profile icon, and a 'LOGOUT' button. Below the header, the main content area has a title 'Admin | Change Password'. Underneath the title is a form titled 'Change Password' with three input fields: 'Current Password', 'New Password', and 'Confirm New Password'. At the bottom of the form is a blue 'Submit' button. The footer of the page contains the text '@2022 Electronic Hospital Management System'.

On click of Change Password present under Settings in the side Navigation menu. Change Password page will be visible to the Admin so that they can update the new password.

Patient Dashboard:



This patient dashboard is accessible to the patient when he logged in to the application where he can view the appointment that patient made i.e. future and history of them.



There is a menu item available as a side bar on the dashboard of the patient where he can book an appointment and the history of the appointments that are made by that patient.

The screenshot shows the 'Appointment History' section of the system. At the top, there's a header bar with the logo and title 'Electronic Hospital Management System'. On the right side of the header, there are icons for notifications (with a red dot), user profile ('lucilatiger09@gmail.com'), and logout. Below the header, the page title 'My | Appointment History' is displayed. A table lists one appointment entry:

#	Doctor Name	Specialization	Appointment Creation Date	Appointment Date	Appointment Time	Status
1	Jaisrinhad	Clinical Officer	21-April-2022	22-April-2022	10:55	Approved

At the bottom of the page, a footer bar contains the copyright notice '@2022 Electronic Hospital Management System'.

Admin will see the Appointment History screen by navigating to the Check appointments menu item under the Appointment History section in the sidebar of Admin Dashboard.

The screenshot shows the 'Book Appointment' page. The header and sidebar are identical to the previous screenshot. The main content area features a form for booking an appointment:

Appointment - lucilatiger09@gmail.com

Doctor Specialization
Specialization

Doctor
Select Doctor

Consultation fees
1000

Date
dd-mm-yyyy

Time
--:--

Book

At the bottom of the page, a footer bar contains the copyright notice '@2022 Electronic Hospital Management System'.

On click of the Book Appointment menu item present in the sidebar of Navigation, menu Patients will be directed to the Book Appointment page in which they can make appointments.

The screenshot shows the 'Patient | FeedBack' page. At the top, there's a navigation bar with the system logo and name 'Electronic Hospital Management System'. On the right side of the header, there's a user profile icon with a red notification badge showing '1', the email 'lucilatiger09@gmail.com', and a 'LOGOUT' button. The main content area has a purple header bar with the text 'Send us your feedback!'. Below it, there are several form fields: 'Rate our system' (dropdown menu showing '1'), 'How are our services' (dropdown menu showing 'Excellent'), 'Have you ever raised any complain?' (dropdown menu showing 'No'), and a large text area for suggestions. A blue 'Submit' button is at the bottom of the form.

On click of Send Feedback menu item present in the sidebar of Navigation, menu Feedback will be directed to the Patient Feedback page in which they can make appointments.

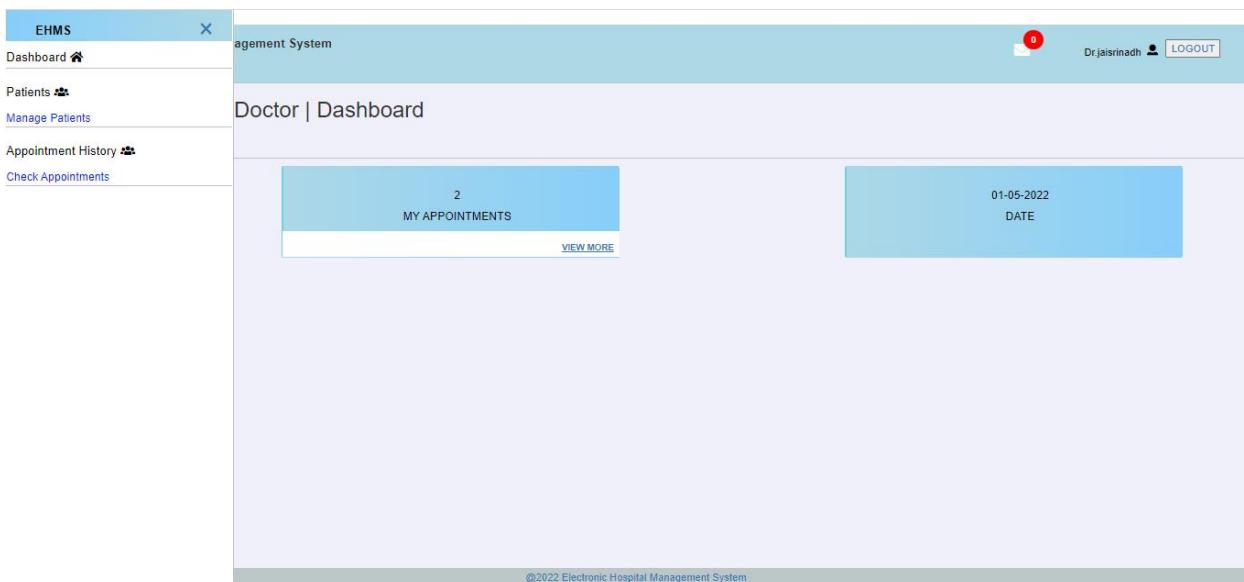
The screenshot shows the 'Patient | Change Password' page. The header is identical to the previous one, with the system logo, name, user profile, and 'LOGOUT' button. The main content area has a white header bar with the text 'Change Password'. Below it are three input fields: 'Current Password', 'New Password', and 'Confirm New Password', each preceded by a small lock icon. A blue 'Submit' button is at the bottom of the form.

On click of Change Password present under Settings in the side Navigation menu. Change Password page will be visible to the Patient so that they can update the new password.

Doctor Dashboard:



This Doctor dashboard is accessible to the Doctor when he logged in to the application where he can view the appointment that patients made with them i.e. future and history.



There is a menu item available as a sidebar in the dashboard of the Doctor where he can check the appointments that are made by patients and he can manage the patient regarding their consultation.

≡
Electronic Hospital Management System
 0
Dr.Jaisrinadh
LOGOUT

Doctor | Manage Patients

#	Name	Phone	Email	City	Address	D.o.b	Registration date	Gender	Consultation/View
1	AnderCashew	09934517894	andercashew@gmail.com	DENTON	885-BERNARD STREET	15-October-2009	15-January-2022	Female	
2	Robin Albert	05735649871	robin@gmail.com	PLANO	148-MCKINNEYSTREET	13-December-2007	23-March-2022	Male	
3	Williams	09407804352	williams@gmail.com	MCKINNEY	204-WEST UNIVERSITY	15-March-1999	15-April-2022	Male	
4	Joseph	08978285354	joseph@gmail.com	FRISCO	209-ROBIN STREET	22-October-2005	15-April-2022	Male	
5	Asifa	08971235397	asifa@gmail.com	DENTON	101-AvenueA	17-February-1996	15-February-2022	Female	
6	Renney	09083879241	renney@gmail.com	DALLAS	908-PARKER STREET	12-October-1980	09-March-2022	Female	
7	Mann	04318785465	mann@gmail.com	IRVING	508-SEPHIN STREET	27-May-2020	25-March-2022	Male	
8	Sedrick	09087564359	sedrick@gmail.com	DENTON	258-CHROMICK STREET	23-May-1998	13-April-2022	Male	

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The doctor will be able to see the Manage Patients screen by navigating to the Manage patient's menu item under the Patients section in the sidebar of the Doctor Dashboard. So that he can be up to date with the consultation.

≡
Electronic Hospital Management System
 0
Dr.Jaisrinadh
LOGOUT

Doctor | Appointment History

#	Patient Name	Appointment Creation Date	Appointment Date	Appointment Time	Status	Click to Approve/Not
1	luolatiger09@gmail.com	21-April-2022	22-April-2022	10:55	Approved	
2	Williams@gmail.com	27-March-2022	28-March-2022	15:12	Approved	

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On click of the Check Appointment menu item present under the Appointment History section Doctor will be able to see Appointment History Page.

The screenshot shows a web-based hospital management system. At the top, there is a header bar with the logo of a stylized bird and the text "Electronic Hospital Management System". On the right side of the header, there is a user profile icon with the name "Dr. alex mutua" and a "LOGOUT" button. A red notification badge with the number "0" is positioned above the user profile. The main content area has a light blue background and displays the title "Doctor | Change Password". Below the title is a form titled "Change Password" containing three input fields: "Current Password", "New Password", and "Confirm New Password", each preceded by a lock icon. To the right of these fields is a blue "Submit" button with a white arrow icon. At the bottom of the page, there is a footer bar with the copyright text "©2022 Electronic Hospital Management System".

On click of Change Password present under Settings in the side Navigation menu. Change Password page will be visible to the Doctor so that they can update the new password.

Database CRUD Operations

Inserting doctors' data to doctor table.

Electronic Hospital Management System

Admin | Add Doctor

Add Doctor

Name: Ravikumar

Email: ravikumar@gmail.com

Specialization: Gynecologist

Phone: 9117458960

Password: *****

Confirm Password: *****

Save

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Data saved into table

Electronic Hospital Management System

Admin | Add Doctor

Add Doctor

Name: Name

Email: Email

Specialization: Select Specialization

Phone: Phone

Password: Password

Confirm Password: Confirm Password

Doctor ravikumar added successfully

Save

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Table after successfully inserting data.

#	Name	Email	Specialization	Phone	Entry date	Action
1	RAVIKUMAR	ravikumar@gmail.com	Gynecologist	9117458980	30-04-2222	
2	Jaisrinadh	jaisrinadh@gmail.com	Dermatologist	0728282277	19-04-2222	

Data updated in database.

user_id	Avatar	Name	Email	Specialization	Phone	Entry_date	Password
0		RAVIKUMAR	ravikumar@gmail.com	Gynecologist	9117458980	2022-04-30 21:15:37	e10adc3949ba59abbe56e057f20f883e
7		Jaisrinadh	jaisrinadh@gmail.com	Dermatologist	0728282277	2022-04-19 10:20:07	e10adc3949ba59abbe56e057f20f883e

Modifying data in doctor table

Electronic Hospital Management System

Admin | Edit Doctor Details

Edit Doctor Info
jaisrinadh's Profile
Registration Date: 19-04-2222

jaisrinadh
jaisrinadh@gmail.com
Orthopaedic
0728262277

Update

@2022 Electronic Hospital Management System

After modifying doctor table

Electronic Hospital Management System

Admin | Manage Doctors

Doctor jaisrinadh details updated successfully

#	Name	Email	Specialization	Phone	Entry date	Action
1	RAVIKUMAR	ravikumar@gmail.com	Gynecologist	0117458960	30-04-2222	
2	JAI SRINADH	jaisrinadh@gmail.com	Orthopaedic	0728262277	19-04-2222	

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Data modified successfully in database.

The screenshot shows the phpMyAdmin interface for a MySQL database named 'hospital'. The left sidebar lists various tables under the 'New' category, including 'doctor' and 'table_doctor'. The main area displays the contents of the 'table_doctor' table. The table has columns: user_id, Avatar, Name, Email, Specialization, Phone, Entry_date, and Password. Two rows are present:

	user_id	Avatar	Name	Email	Specialization	Phone	Entry_date	Password
1	0	RAVIKUMAR	ravikumar@gmail.com	Gynecologist	9117458960	2022-04-30 21:15:37	e10adc3940ba59abbe56e057f20f83e	
2	7	JAI SRINADH	jaisrinadh@gmail.com	Orthopaedic	0728262277	2022-04-19 10:20:07	e10adc3940ba59abbe56e057f20f83e	

Deleting data from doctor table.

The screenshot shows the 'Admin | Manage Doctors' page of the 'Electronic Hospital Management System'. A modal dialog box is displayed, asking for confirmation to delete a doctor. The message says: 'localhost says Are you sure you want to delete Doctor RAVIKUMAR'. There are 'OK' and 'Cancel' buttons at the bottom of the dialog.

#	Name	Email	Specialization	Phone	Entry date	Action
1	RAVIKUMAR	ravikumar@gmail.com	Gynecologist	9117458960	30-04-2222	
2	JAI SRINADH	jaisrinadh@gmail.com	Orthopaedic	0728262277	19-04-2222	

Deleting data successfully from doctor table.



Electronic Hospital Management System

0 +0 Admin  [LOGOUT](#)

Admin | Manage Doctors

Doctor deleted from the system successfully

#	Name	Email	Specialization	Phone	Entry date	Action
1	JAI SRINADH	jaisrinadh@gmail.com	Orthopaedic	0728262277	19-04-2222	 

Deleted data reflected in database.

phpMyAdmin

Recent | Favorites

New hospital

appointment department doctor doctors_schedule invoice nurse patient prescription table_admin table_appointment_history table_basic_info table_contacts table_doctor table_feedback table_finance table_images table_lab_report table_lab_results table_lab_technician table_medical_history table_nurse table_patients table_patients2 table_payments table_pharmacist table_pharmacy

Server: 127.0.0.1 > Database: hospital > Table: table_doctor

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 0 (total. Query took 0.0010 seconds.)

SELECT * FROM `table_doctor`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

+ Options ↗ ↘ user_id Avatar Name Email Specialization Phone Entry_date Password

Edit Copy Delete 7 JAI SRINADH jaisrinadh@gmail.com Orthopaedic 0728262277 2022-04-19 10:20:07 e10adc3949ba59abbe56e057f2d683e

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

Inserting data into Nurse table

The screenshot shows the 'Add Nurse' form. The fields filled are:

- Name: Mounica
- Email: mounicar@gmail.com
- Specialization: Orthopaedic
- Phone: 9117358960
- Password: (obscured)
- Confirm Password: (obscured)

A blue 'Save' button is at the bottom right.

Data successfully saved

The screenshot shows the 'Add Nurse' form with the same fields as the previous screenshot. A green success message at the bottom left states: "Nurse mounica added successfully".

Data inserted into nurse table

#	Name	Email	Specialization	Phone	Entry date	Action
1	MOUNICA	mounicar@gmail.com	Orthopaedic	0117358960	30-04-2222	
2	Liam	liam@gmail.com	Dermatologist	09803428976	15-01-2222	
3	Mario	mario@gmail.com	Orthopaedic	09408974563	19-03-2222	

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Data successfully inserted into database

user_id	Avatar	Name	Email	Specialization	Phone	Entry_date	Password
0		MOUNICA	mounicar@gmail.com	Orthopaedic	0117358960	2022-04-30 21:22:06	e10adc304d0a59abbe56e057f20883e
1		Liam	liam@gmail.com	Dermatologist	09803428976	2022-01-15 10:13:10	e10adc304d0a59abbe56e057f20883e
2		Mario	mario@gmail.com	Orthopaedic	09408974563	2022-03-19 15:05:08	e10adc304d0a59abbe56e057f20883e

Modifying nurse table

The screenshot shows the 'Edit Nurse Info' form. It includes fields for Name (mario), Email (mario@gmail.com), Specialization (Dentist), and Phone (09408974563). The 'Update' button is visible at the bottom.

Admin | Edit Nurse Details

Edit Nurse Info
mario's Profile
Registration Date: 19-03-2222

Name: mario
Email: mario@gmail.com
Specialization: Dentist
Phone: 09408974563

Update

Modified successfully saved into table

The screenshot shows the 'Manage Nurses' table with three rows of data. A success message 'Nurse mario details updated successfully' is displayed above the table.

Nurse mario details updated successfully

#	Name	Email	Specialization	Phone	Entry date	Action	
1	MOUNICA	mounicar@gmail.com	Orthopaedic	9117358960	30-04-2222		
2	Liam	liam@gmail.com	Dermatologist	09803428978	15-01-2222		
3	MARIO	mario@gmail.com	Dentist	09408974563	19-03-2222		

Modified details are reflected in the database.

The screenshot shows the phpMyAdmin interface for a MySQL database named 'hospital'. The left sidebar lists various tables under the 'hospital' schema. The main area is titled 'Table: table_nurse' and displays a query result for a SELECT statement. The results show three rows of data:

#	user_id	Avatar	Name	Email	Specialization	Phone	Entry_date	Password
0		pic0.jpg	MOUNICA	mounicar@gmail.com	Orthopaedic	9117358900	2022-04-30 21:22:06	e10adc3949ba59abbe56e05720f683e
1		pic10.jpg	Liam	liam@gmail.com	Dermatologist	09803428976	2022-01-15 10:13:10	e10adc3949ba59abbe56e05720f683e
2		pic10.jpg	MARIO	mario@gmail.com	Dentist	09408974563	2022-03-19 15:05:08	e10adc3949ba59abbe56e05720f683e

Deleting data from nurse table

The screenshot shows the 'Electronic Hospital Management System' web application. The top navigation bar includes a logo, the site name, and user information ('Admin | LOGOUT'). A modal dialog box is centered on the screen, asking 'localhost says' if the user is sure they want to delete 'Nurse MOUNICA'. The 'OK' button is highlighted in blue, while 'Cancel' is in grey. Below the dialog, a message states 'Nurse mario details updated successfully'. At the bottom of the page, a footer bar contains the copyright notice '@2022 Electronic Hospital Management System'.

Table after deleting a tuple in nurse table

#	Name	Email	Specialization	Phone	Entry date	Action
1	Liam	liam@gmail.com	Dermatologist	09803428976	15-01-2222	
2	MARIO	mario@gmail.com	Dentist	09408974563	19-03-2222	

Successfully data deleted in database

user_id	Avatar	Name	Email	Specialization	Phone	Entry_date	Password
1		Liam	liam@gmail.com	Dermatologist	09803428976	2022-01-15 10:13:10	e10adc3949ba59abbe56e05720f83e
2		MARIO	mario@gmail.com	Dentist	09408974563	2022-03-19 15:05:08	e10adc3949ba59abbe56e05720f83e

Insert data into Pharmacist table.

The screenshot shows the 'Add Pharmacist' form. It contains five input fields: 'Name' (Praveen M), 'Email' (praveenm@gmail.com), 'Phone' (8712876290), 'Password' (*****), and 'Confirm Password' (*****). Below the fields is a blue 'Save' button.

Data saved into table successfully

The screenshot shows the 'Add Pharmacist' form. It contains five input fields: 'Name' (Praveen M), 'Email' (praveenm@gmail.com), 'Phone' (8712876290), 'Password' (*****), and 'Confirm Password' (*****). Below the fields is a green success message: 'Pharmacist praveen m added successfully'. At the bottom is a blue 'Save' button.

Data reflected successfully in database

The screenshot shows the phpMyAdmin interface for the 'table_pharmacists' table. The table has columns: user_id, Name, Email, Phone, Avatar, Entry_date, and Password. There is one row of data: user_id 0, Name Praveen M, Email praveenm@gmail.com, Phone 8712876290, Avatar (a file named pic17.jpg), Entry_date 2022-04-30 21:33:23, and Password e10adc3949ba59abbe56e057f20f83e.

user_id	Name	Email	Phone	Avatar	Entry_date	Password
0	Praveen M	praveenm@gmail.com	8712876290	pic17.jpg	2022-04-30 21:33:23	e10adc3949ba59abbe56e057f20f83e

Modifying Pharmacist table

Electronic Hospital Management System

Admin | Edit Pharmacist Details

Edit Pharmacist Info
PRAVEEN M's Profile
Registration Date: 30-04-2222

Name: PRAVEEN M
Email: praveenm@gmail.com
Phone: 8712876680

Update

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Successfully modified Pharmacist table

Electronic Hospital Management System

Admin | Manage Pharmacist

Technician praveen m details updated successfully

#	Name	Email	Phone	Entry date	Action
1	PRAVEEN M	praveenm@gmail.com	8712876680	30-04-2222	
2	Navab Han	navabhan@gmail.com	8563214795	21-03-2222	

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Updated table in database as well.

The screenshot shows the phpMyAdmin interface for the 'hospital' database. The left sidebar lists various tables under the 'New' category. The 'table_pharmacist' table is selected, showing two rows of data:

	user_id	Name	Email	Phone	Avatar	Entry_date	Password
0	PRAVEEN M	PRAVEEN M	praveenm@gmail.com	8712876680		2022-04-30 21:33:23	e10adc3940ba59abbe56e057f20f83e
2	Navab Han	Navab Han	navabhan@gmail.com	8563214795	./././images/pic17.jpg	2022-03-21 10:31:55	e10adc3940ba59abbe56e057f20f83e

Deleting data in Pharmacist table.

The screenshot shows the 'Manage Pharmacist' page of the 'Electronic Hospital Management System'. A confirmation dialog box is displayed in the center, asking 'Are you sure you want to delete Pharmacist PRAVEEN M?'. The dialog has 'OK' and 'Cancel' buttons. Below the dialog, a message says 'Technician praveen m details updated successfully'. The main table shows the following data:

#	Name	Email	Phone	Entry date	Action
1	PRAVEEN M	praveenm@gmail.com	8712876680	30-04-2222	X
2	Navab Han	navabhan@gmail.com	8563214795	21-03-2222	✓ X

Successfully deleted the data from table

Admin | Manage Pharmacist

#	Name	Email	Phone	Entry date	Action
1	Navab Han	navabhan@gmail.com	8563214795	21-03-2222	

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Pharmacist table after deleting data.

Showing rows 0 - 0 (total: Query took 0.0007 seconds.)

user_id	Name	Email	Phone	Avatar	Entry_date	Password
1	Navab Han	navabhan@gmail.com	8563214795		2022-03-21 10:31:55	e10adc3849ba59abbe56e057f20f683e

Insert data into Lab Technician table

Admin | Add Lab Technician

Add Lab Technician

<input type="text" value="Syam M"/>
<input type="text" value="syamm@gmail.com"/>
<input type="text" value="8917828960"/>
<input type="password" value="*****"/>
<input type="password" value="*****"/>

Save

@2022 Electronic Hospital Management System

Successfully added into Lab Technician table

Electronic Hospital Management System

Admin | Add Lab Technician

Add Lab Technician

Name

Email

Phone

Password

Confirm Password

Technician syam m added successfully

Save

@2022 Electronic Hospital Management System

Lab Technician table after inserting data.

Showing rows 0 - 1 (2 total). Query took 0.0010 seconds.

SELECT * FROM `table_lab_technician`

	user_id	Name	Email	Phone	Avatar	Entry_date	Password
	0	SYAM M	syamn@gmail.com	8917528960		2022-04-30 21:41:30	e10adc3949ba59abbe56e057f20f883e
	1	Sam johnson	samjohnson@gmail.com	09803428978	./././images/pic5.jpg	2022-01-15 10:22:45	e10adc3949ba59abbe56e057f20f883e

Modifying Technician table

The screenshot shows the 'Edit Technician Info' form. It includes fields for Name (Sam J), Email (samjohnson@gmail.com), and Phone (09803428976). A blue 'Update' button is at the bottom. The top navigation bar shows the system name and user info.

Admin | Edit Technician Details

Edit Technician Info
Sam Johnson's Profile
Registration Date: 15-01-2222

Name: Sam J
Email: samjohnson@gmail.com
Phone: 09803428976

Update

Successfully saved modified details

The screenshot shows a table titled 'Technician Sam J Details Updated Successfully'. It lists two technicians: SYAM M and SAM J, with their respective details. The 'Action' column contains edit and delete icons. The top navigation bar shows the system name and user info.

Admin | Manage Lab Technician

Technician Sam J Details Updated Successfully

#	Name	Email	Phone	Entry date	Action
1	SYAM M	syamm@gmail.com	8917828960	30-04-2222	
2	SAM J	samjohnson@gmail.com	09803428976	15-01-2222	

Updated data is reflected in the Database.

The screenshot shows the phpMyAdmin interface for the 'hospital' database. The left sidebar lists various tables under the 'hospital' schema. The main area displays the 'table_lab_technician' table with the following data:

#	user_Id	Name	Email	Phone	Avatar	Entry_date	Password
1	SYAM M	SYAM M	syamm@gmail.com	8917828900		2022-04-30 21:41:30	e10adc3949ba59abbe50e057f20f83e
2	SAM J	SAM J	samjohnson@gmail.com	09803428976	./././images/pic5.jpg	2022-01-15 10:22:45	e10adc3949ba59abbe50e057f20f83e

Delete data from Technician table.

The screenshot shows the 'Admin | Manage Lab Technician' page. A modal dialog box is displayed, asking for confirmation to delete the technician 'SYAM M'. The dialog has 'OK' and 'Cancel' buttons. Below the dialog, the table shows two rows of data. The second row, 'SAM J', has a red 'X' icon in the 'Action' column, indicating it is selected for deletion.

#	Name	Email	Phone	Entry date	Action
1	SYAM M	syamm@gmail.com	8917828900	30-04-2022	X
2	SAM J	samjohnson@gmail.com	09803428976	15-01-2022	X

Technician table after deleting data.

The screenshot shows the 'Admin | Manage Lab Technician' page. A success message at the top states '1 ab technician deleted from the system successfully'. The table now only contains one row of data, 'SAM J', with a red 'X' icon in the 'Action' column.

#	Name	Email	Phone	Entry date	Action
1	SAM J	samjohnson@gmail.com	09803428976	15-01-2022	X

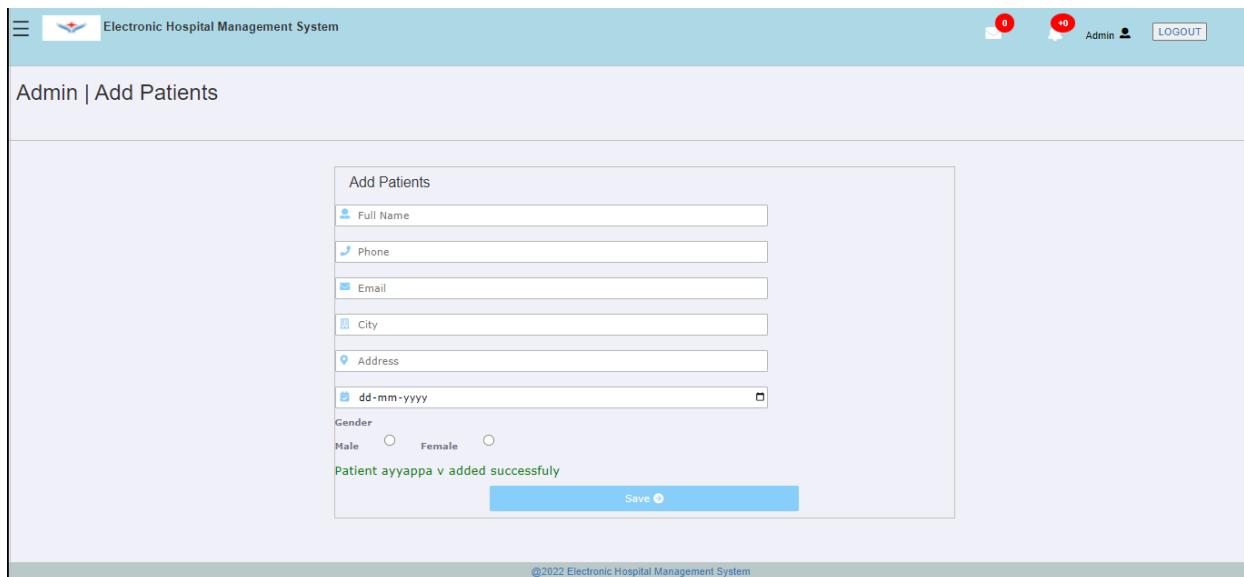
After deleting data in technician table

The screenshot shows the phpMyAdmin interface for the 'hospital' database. The left sidebar lists various tables under the 'hospital' schema. The current table is 'table_lab_technician'. A single row is displayed in the main pane, representing a technician named SAM J. with user ID 1. The row includes columns for user_id, Name, Email, Phone, Avatar, Entry_date, and Password. Below the table, there are options to edit, copy, or delete the row. The status bar at the top indicates 'Showing rows 0 - 0 (total, Query took 0.0010 seconds.)'.

Insert data into Patients table

The screenshot shows the 'Admin | Add Patients' page of the Electronic Hospital Management System. The page has a header with the system logo and navigation links. The main content area is titled 'Add Patients' and contains input fields for Name (Ayyappa V), Phone (8712876980), Email (ayyappav@gmail.com), Address (Vizag, 131 Home Apt), and Date of Birth (12-06-1995). There is a gender selection section with radio buttons for Male (selected) and Female. At the bottom is a blue 'Save' button. The footer of the page displays the copyright notice '@2022 Electronic Hospital Management System'.

Successfully added data into patients table



Electronic Hospital Management System

Admin | Add Patients

Add Patients

Full Name

Phone

Email

City

Address

dd-mm-yyyy

Gender

Male Female

Patient ayyappa v added successfully

Save 

©2022 Electronic Hospital Management System

After inserting data into Patient table



Electronic Hospital Management System

Admin | Manage Patients

#	Name	Phone	Email	City	Address	D.o.b	Date	Gender	View
1	AYYAPPA V	8712878980	ayyappav@gmail.com	VIZAG	131 HOME APT	12-June-1995	2022-05-01	Male 	
2	AnderCashew	09934517894	andercashew@gmail.com	DENTON	665-BERNARD STREET	15-October-2009	2022-01-15	Female 	
3	Robin Albert	05735649871	robin@gmail.com	PLANO	146-MCKINNEY STREET	13-December-2007	2022-03-23	Male 	
4	Williams	06407844352	williams@gmail.com	MCKINNEY	204-WEST UNIVERSITY	15-March-1999	2022-04-15	Male 	
5	Joseph	08976286354	joseph@gmail.com	FRISCO	209-ROBIN STREET	22-October-2005	2022-04-15	Male 	
6	Aifa	08971235397	aifa@gmail.com	DENTON	101-AvenueA	17-February-1990	2022-02-15	Female 	
7	Renney	09083879241	renney@gmail.com	DALLAS	908-PARKER STREET	12-October-1980	2022-03-09	Female 	
8	Marin	04310785465	marin@gmail.com	IRVING	508-SEPHIN STREET	27-May-2020	2022-03-25	Male 	
9	Sedrick	09097594399	sedrick@gmail.com	DENTON	258-CHROMICK STREET	23-May-1998	2022-04-13	Male 	

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After inserting data into Patient table

The screenshot shows the phpMyAdmin interface for a database named 'hospital'. The left sidebar lists various tables, including 'patient' which is currently selected. The main area displays the 'table_patients' with the following data:

	user_id	FullName	Phone	Email	City	Address	DOB	Visit_date	Gender
0	AYAPPAN V	8712376980	ayappav@gmail.com	VIZAG	131 HOME APT	1995-08-12	2022-05-01	Male	
1	AnderCasew	09934517894	andercasew@gmail.com	DENTON	685-BERNARD STREET	2009-10-15	2022-01-15	Female	
2	Robin Alber	05735649871	robin@gmail.com	PLANO	148-MCKINNEY STREET	2007-12-13	2022-03-23	Male	
3	Williams	08407864352	williams@gmail.com	MCKINNEY	204-WEST UNIVERSITY	1999-03-15	2022-04-15	Male	
6	Joseph	08975285554	joseph@gmail.com	FRISCO	209-ROBIN STREET	2005-10-22	2022-04-15	Male	
7	Asifa	08971235397	asifa@gmail.com	DENTON	101-AvenueA	1998-02-17	2022-02-15	Female	
8	Renney	09083870241	renney@gmail.com	DALLAS	908-PARKER STREET	1980-10-12	2022-03-09	Female	
9	Marin	04316785465	marin@gmail.com	IRVING	508-SEPHIN STREET	2020-05-27	2022-03-25	Male	
10	Sedrick	09087564389	sedrick@gmail.com	DENTON	256-CHROMICK STREET	1998-05-23	2022-04-13	Male	

Insert data into Accountant table

The screenshot shows the 'Electronic Hospital Management System' interface. The top navigation bar includes a logo, the system name, user status (0 notifications), and a 'Logout' button. The main content area is titled 'Add Accountant' and contains the following form fields:

- First Name: Subramanyam
- Email: subramanyams@gmail.com
- Phone: 9218379270
- Password: (obscured)
- Confirm Password: (obscured)

A blue 'Save' button is located at the bottom right of the form.

Table after inserting the data into Accountant table

The screenshot shows the 'Admin | Manage Accountant' page of the Electronic Hospital Management System. At the top, there is a header bar with the system name and user information ('Admin' and 'Logout'). Below the header is a table titled 'Accountant'. The table has columns for '#', 'Name', 'Email', 'Phone', 'Entry date', and 'Action'. There are two rows of data:

#	Name	Email	Phone	Entry date	Action
1	SUBRAMANYAM	subramanyams@gmail.com	9218379270	25-04-2222	
2	CHANDRAM	chandramn@gmail.com	8972869260	25-04-2222	

At the bottom of the page, there is a footer bar with the copyright notice '©2022 Electronic Hospital Management System'.

Data reflected in database after inserting data

The screenshot shows the 'table_finance' table in phpMyAdmin. The table structure includes columns for 'user_id', 'Name', 'Email', 'Phone', 'Avatar', 'Entry_date', and 'Password'. There are two rows of data:

	user_id	Name	Email	Phone	Avatar	Entry_date	Password
3	3	SUBRAMANYAM	subramanyams@gmail.com	9218379270		2022-04-25 22:28:57	e10adc3949ba59abbe56e057f20f883e
4	4	CHANDRAM	chandramn@gmail.com	8972869260		2022-04-25 22:29:48	e10adc3949ba59abbe56e057f20f883e

Modifying Accountant table

The screenshot shows the 'Edit Accountant Info' page. At the top, it says 'SUBHRA MANYAM's Profile' and 'Registration Date: 25-04-2222'. There are three input fields: 'Name' (SUBHRA MANYAM), 'Email' (subramanyams@gmail.com), and 'Phone' (9218379270). A blue 'Update' button is at the bottom.

① ② Admin LOGOUT

Edit Accountant Info
SUBHRA MANYAM's Profile
Registration Date: 25-04-2222
Name: SUBHRA MANYAM
Email: subramanyams@gmail.com
Phone: 9218379270
Update

©2022 Electronic Hospital Management System

Data saved successfully into Accountant table

The screenshot shows the 'Admin | Manage Accountant' page. It displays a table with columns: #, Name, Email, Phone, Entry date, and Action. The data is as follows:

#	Name	Email	Phone	Entry date	Action
1	SUBHRA MANYAM	subramanyams@gmail.com	9218379270	25-04-2222	
2	CHANDRAM	chandramn@gmail.com	8972869280	25-04-2222	

① ② Admin LOGOUT

Admin | Manage Accountant

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After modifying Accountant table

The screenshot shows the phpMyAdmin interface for the 'hospital' database. The left sidebar lists various tables under the 'hospital' schema. The 'table_finance' table is selected, showing two rows of data:

	user_id	Name	Email	Phone	Avatar	Entry_date	Password
1	SUBHRAMANYAM	SUBHRAMANYAM	subramanyams@gmail.com	9218379270/images/finance.jpg	2022-04-25 11:35:10	e10adc3949ba59abbe56e057f20f83e
2	CHANDRAM	CHANDRAM	chandram@gmail.com	8972889260/images/finance.jpg	2022-04-25 11:35:10	e10adc3949ba59abbe56e057f20f83e

Deleting data from Accountant table

The screenshot shows the 'Electronic Hospital Management System' web application. The user is on the 'Manage Accountant' page, which displays a table of accountants:

#	Name	Email	Phone	Entry date	Action
1	SUBHRAMANYAM	subramanyams@gmail.com	9218379270	25-04-2222	X
2	CHANDRAM	chandram@gmail.com	8972889260	25-04-2222	X

A modal dialog box is displayed, asking for confirmation to delete the accountant 'SUBHRAMANYAM'. The dialog has 'OK' and 'Cancel' buttons.

Electronic Hospital Management System

Admin | Manage Accountant

#	Name	Email	Phone	Entry date	Action
1	CHANDRAM	chandramn@gmail.com	8972896260	25-04-2222	

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Table after deleting data from Accountant table

phpMyAdmin

Server: 127.0.0.1 > Database: hospital > Table: table_finance

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 0 (1 total, Query took 0.0011 seconds.)

SELECT * FROM `table_finance`

Profile [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

+ Options

user_id Name Email Phone Avatar Entry_date Password

CHANDRAM chandramn@gmail.com 8972896260/images/finance.jpg 2022-04-25 11:38:10 e10adc3949ba59abbe56e057120f683e

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

Doctor's prescription

The screenshot shows a table of patient records with the following columns: #, Name, Phone, Email, City, Address, D.o.b, Registration date, Gender, and Consultation/View. The data includes:

#	Name	Phone	Email	City	Address	D.o.b	Registration date	Gender	Consultation/View
1	AYYAPPAN V	8712876980	ayyappav@gmail.com	VIZAG	131 HOME APT	12-June-1995	01-May-2022	Male	✓
2	Andercashew	0994517894	andercashew@gmail.com	DENTON	665-BERNARD STREET	15-October-2009	15-January-2022	Female	✓
3	Robin Albert	05735649871	robin@gmail.com	PLANO	146-MCKINNEY STREET	13-December-2007	23-March-2022	Male	✓
4	Williams	09407864352	williams@gmail.com	MCKINNEY	204-WEST UNIVERSITY	15-March-1999	15-April-2022	Male	✓
5	Joseph	00976285354	joseph@gmail.com	FRISCO	200-RHOBIN STREET	22-October-2006	15-April-2022	Male	✓
6	Asifa	08971235397	asifa@gmail.com	DENTON	101-AvenueA	17-February-1990	15-February-2022	Female	✓
7	Renney	09083879241	renney@gmail.com	DALLAS	908-PARKER STREET	12-October-1980	09-March-2022	Female	✓
8	Marin	04310785485	marin@gmail.com	IRVING	506-SEPHIN STREET	27-May-2020	25-March-2022	Male	✓
9	Sedrick	09087564389	sedrick@gmail.com	DENTON	256-CHROMICK STREET	23-May-1998	13-April-2022	Male	✓

The screenshot shows a form for a patient consultation with sections for Lab Form, Finance Form, and Pharmacy Form. The Lab Form table has columns: #, Email, Name, Phone, Symptoms (Additional Details of Patient), and Test(s). The Finance Form table has columns: #, Email, Name, Phone, Consultation fee, Lab test fee, Pharmacy fee, and Treatment fee. The Pharmacy Form table has columns: #, Email, Name, Phone, and Medical Prescription.

#	Email	Name	Phone	Symptoms(Additional Details of Patient)		Test(s)
	ayyappav@gmail.com	ayyappa v	8712876980	Cough and Fever		Blood Test Required

#	Email	Name	Phone	Consultation fee	Lab test fee	Pharmacy fee	Treatment fee
	ayyappav@gmail.com	ayyappa v	8712876980	1000			

#	Email	Name	Phone	Medical Prescription	
	ayyappav@gmail.com	ayyappa v	8712876980		

Data reflected in Database after doctor inserting data

The screenshot shows the phpMyAdmin interface for the 'hospital' database, specifically the 'table_lab_report' table. The table has columns: Id, Name, Email, Phone, Symptoms, Test, Results, Send_date, and Status. The data reflects the entries made in the previous screenshots:

Id	Name	Email	Phone	Symptoms	Test	Results	Send_date	Status
0	ayyappa v	ayyappav@gmail.com	8712876980	Cough and Fever	Blood Test Required		2022-04-30 22:12:15	Not Tested
1	Andercashew	andercashew@gmail.com	0994517894	vomiting	Dengue		2022-01-17 11:15:28	Tested
2	Robin Albert	robin@gmail.com	05735649871	fever	Typhoid		2022-01-19 21:09:29	Tested
3	Williams	williams@gmail.com	09407864352	dizziness			2022-02-13 19:17:56	Tested
4	Joseph	joseph@gmail.com	00976285354	cough	cholera		2022-02-17 19:43:45	Tested
5	Asifa	asifa@gmail.com	08971235397	severe headache	cholera		2022-02-16 13:15:08	Tested
6	Renney	renney@gmail.com	09083879241	fever	typhoid		2022-03-07 14:50:38	Tested
				dry stool	malaria			
				cough				
				fever				
				headache				
				malaria				

Doctor able to insert the fee for patient

Electronic Hospital Management System Dr.Jaisrinadh LOGOUT

0

Doctor | Patient Consultation

Lab Form

#	Email	Name	Phone	Symptoms(Additional Details of Patient)	Test('s)
	joseph@gmail.com	joseph	08976285354		

Lab

Finance Form

#	Email	Name	Phone	Consultation fee	Lab test fee	Pharmacy fee	Treatment fee
	joseph@gmail.com	joseph	08976285354	1000	2000	1500	100000

Finance

Pharmacy Form

#	Email	Name	Phone	Medical Prescription
	joseph@gmail.com	joseph	08976285354	

Pharmacy

System notifies doctor that he successfully charged the fee to patient.

Electronic Hospital Management System Dr.Jaisrinadh LOGOUT

0

Doctor | Manage Patients

Patient Send to Finance successfully

#	Name	Phone	Email	City	Address	D.o.b	Registration date	Gender	Consultation/View
1	AYYAPPA.V	8712879960	ayyappav@gmail.com	VIZAG	131 HOME APT	12-June-1995	01-May-2022	Male	
2	AnderCashew	09934517894	andercashew@gmail.com	DENTON	685-BERNARD STREET	15-October-2009	15-January-2022	Female	
3	Robin Albert	05735649871	robin@gmail.com	PLANO	148-MCKINNEYSTREET	13-December-2007	23-March-2022	Male	
4	Williams	06407848352	williams@gmail.com	MCKINNEY	204-WEST UNIVERSITY	15-March-1999	15-April-2022	Male	
5	Joseph	08978285354	joseph@gmail.com	FRISCO	209-ROBIN STREET	22-October-2005	15-April-2022	Male	
6	Aaifa	08971235397	aaifa@gmail.com	DENTON	101-AvenueA	17-February-1998	15-February-2022	Female	
7	Renney	09083879241	renney@gmail.com	DALLAS	908-PARKER STREET	12-October-1980	09-March-2022	Female	
8	Marin	04310785465	marin@gmail.com	IRVING	506-SEPHIN STREET	27-May-2020	25-March-2022	Male	
9	Sedrick	09087564389	sedrick@gmail.com	DENTON	255-CHROMICK STREET	23-May-1998	13-April-2022	Male	

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Data reflected in table

The screenshot shows the phpMyAdmin interface for the 'hospital' database. The left sidebar lists various tables under the 'New' category. The main area displays the 'table_payments' table with the following data:

	ID	Email	Name	Consultation_fee	Lab_test_fee	Treatment_fee	Pharmacy_fee	Other_charges	Total_amount	Mpesa	Cash	Status	Send_date	Due
0	1	joseph@gmail.com	joseph	1000	2000	10000	1500		104500	0	0	Not Paid	2022-05-01	0
1	2	sameer@gmail.com	Sameer Han	1000	1200	1500	2000			43	5657	Paid	2022-03-20	0
2	3	jollybabu@gmail.com	Jolly Babu	1000	1200	1500	1000			1000	3700	Paid	2022-03-21	0
3	4	saipathak@gmail.com	Sai Pathak	1000	1200	1000	2000		5200	4300	900	Paid	2022-03-26	0
4	5	victoria@gmail.com	Victoria Jamin	1000	500	800	700		3000	1500	1500	Paid	2022-03-27	0
5	6	kamusa12@gmail.com	Kamusa Sami	1000	1200	800	1000		4090	3000	1090	Paid	2022-03-27	0
6	7	coretaharris@gmail.com	Coretta Harris	1000	1200	800	1000		4000	900	0	Not Paid	2022-03-27	0
7	8	darienemund@gmail.com	Dariene Mund	1000	1600	2000	700		5300	5000	300	Paid	2022-03-27	0
8	9	roxiegalyean@gmail.com	Roxie Galyean	1000	1200	2000	3500		7700	900	6000	Not Paid	2022-03-28	0
9	10	mildawaters@gmail.com	Milda Waters	1000	1200	1500	2000		5700	5000	700	Not Paid	2022-03-17	0
10	11	mittalofon@gmail.com	Minta Lofton	1000	1200	1500	1000		4700	4700	0	Not Paid	2022-03-28	0

Doctor able to insert the medicine for the patient

The screenshot shows the 'Doctor | Patient Consultation' interface. It includes three forms:

- Lab Form:**

#	Email	Name	Phone	Symptoms(Additional Details of Patient)		Test(s)
	asifa@gmail.com	asifa	08971235397			
- Finance Form:**

#	Email	Name	Phone	Consultation fee	Lab test fee	Pharmacy fee	Treatment fee
	asifa@gmail.com	asifa	08971235397	1000			
- Pharmacy Form:**

#	Email	Name	Phone	Medical Prescription	
	asifa@gmail.com	asifa	08971235397	Pantop D Paracetamol	

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Electronic Hospital Management System

Dr.Jaisrinadh LOGOUT

Doctor | Manage Patients

Patient Send to Pharmacy successfully

#	Name	Phone	Email	City	Address	D.o.b	Registration date	Gender	Consultation/View
1	AYYAPPA V	9712879980	ayyappav@gmail.com	VIZAG	131 HOME APT	12-June-1995	01-May-2022	Male	
2	Andercashew	09934517894	andercashew@gmail.com	DENTON	665-BERNARD STREET	15-October-2009	15-January-2022	Female	
3	Robin Albert	05755649871	robin@gmail.com	PLANO	146-MCKINNEYSTREET	13-December-2007	23-March-2022	Male	
4	Williams	09407884325	williams@gmail.com	MCKINNEY	204-WEST UNIVERSITY	15-March-1999	15-April-2022	Male	
5	Joseph	09978285354	joseph@gmail.com	FRISCO	209-ROBIN STREET	22-October-2005	15-April-2022	Male	
6	Asifa	08971235307	asifa@gmail.com	DENTON	101-AvenueA	17-February-1996	15-February-2022	Female	
7	Renney	90083379241	renney@gmail.com	DALLAS	908-PARKER STREET	12-October-1993	09-March-2022	Female	
8	Marin	04316785465	marin@gmail.com	IRVING	506-SEPHIN STREET	27-May-2020	25-March-2022	Male	
9	Sedrick	09087584389	sedrick@gmail.com	DENTON	256-CHROMICK STREET	23-May-1998	13-April-2022	Male	

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Data reflected in table

phpMyAdmin

Server: 127.0.0.1 > Database: hospital > Table: table_pharmacy

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 5 (6 total, Query took 0.0009 seconds.)

SELECT * FROM `table_pharmacy`

Number of rows: 25

	ID	Email	Name	Phone	Prescription	Status	Send_date
	0	asifa@gmail.com	asifa	08971235307	Pantop D Paracetamol	Not Prescribed	2022-04-30 22:16:35
	1	jamalhsan@gmail.com	Jamal Hasan	9874953215	abz tablets 1x3....Bruffen 1x3....paracetamol 1 t...	Prescribed	2022-03-21 10:30:30
	2	catherine@gmail.com	Catherine Kan	9563248752	panadol	Prescribed	2022-03-21 21:22:00
	3	miraluram@gmail.com	Miralu Rani	5632178965	abz 1X2.... brufen 1x3.... panadol 1x3...	Prescribed	2022-03-23 07:48:12
	4	prasadsai@gmail.com	Prasad Sai	9632587415	panadol 1x3	Not Prescribed	2022-03-28 15:17:09
	5	tinakalin@gmail.com	Tina Kalim	8569321475	abz	Prescribed	2022-03-17 15:55:30

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Console

2.0 SQL STATEMENTS OF ELECTRONIC HOSPITAL MANAGEMENT SYSTEM TABLES (USING MYSQL DATABASE)

2.1 Admin Table

```
CREATE TABLE admin(
    Admin_Id int(15) NOT NULL,
    Email varchar(255) NOT NULL,
    firstName varchar(255) NOT NULL,
    lastName varchar(255) NOT NULL,
    Phone int(15) NOT NULL,
    Password varchar(255) NOT NULL,
    PRIMARY KEY (Admin_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.2 Ambulance Table CREATE

```
TABLE ambulance( amb_Id
    int(15) NOT NULL, reg_no
    varchar(255) NOT NULL,
    PRIMARY KEY (amb_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.3 Bed Table

```
CREATE TABLE bed( bed_Id int(15)
    NOT NULL, bed_No int(15) NOT
    NULL, bed_Location varchar(255)
    NOT NULL,
    PRIMARY KEY (`bed_Id`) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.4 Cleaner Table

```
CREATE TABLE cleaner ( Cl_Id  
int(15) NOT NULL, firstName  
varchar(255) NOT NULL,  
Surname varchar(255) NOT NULL,  
PRIMARY KEY (`Cl_Id` ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.5 Department Table

```
CREATE TABLE department(  
dep_Id int(15) NOT NULL, dep_Name  
varchar(255) NOT NULL,  
PRIMARY KEY (dep_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.6 Doctor table:

```
CREATE TABLE doctor ( Doctor_Id  
int(15) NOT NULL, firstName  
varchar(255) NOT NULL,  
lastName varchar(255) NOT NULL,  
Phone int(15) NOT NULL,  
Password varchar(255) NOT NULL,  
sp_Id int(15) NOT NULL,  
sp_name varchar(255) NOT NULL,  
PRIMARY KEY (Doctor_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.7 Driver Table

```
CREATE TABLE driver (  
dr_Id int(15) NOT NULL, dr_fname  
varchar(255) NOT NULL, dr_lname  
varchar(255) NOT NULL,  
PRIMARY KEY (`dr_Id` ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.8 Floor Table

```
CREATE TABLE floor (
    floor_Id int(15) NOT NULL, floor_Name
    varchar(255) NOT NULL,
    PRIMARY KEY (floor_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb
```

2.9 Insurance Table

```
CREATE TABLE insurance (
    Insurance_Id int(15) NOT NULL,
    Insurance_Name varchar(255) NOT NULL,
    PRIMARY KEY (Insurance_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.1.0 Laboratory Table

```
CREATE TABLE laboratory(
    lab_Id int(15) NOT NULL, lab_Name
    varchar(255) NOT NULL,
    PRIMARY KEY (lab_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb
```

2.1.1 Lab Technician

```
CREATE TABLE lab_technician (
    tech_Id int(15) NOT NULL, fname
    varchar(255) NOT NULL, lname
    varchar(255) NOT NULL,
    PRIMARY KEY (tech_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.1.2 Medicine Table

```
CREATE TABLE medicine (
    me_name text NOT NULL,
    me_exp date NOT NULL ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb
```

2.1.3 Nurse Table

```
CREATE TABLE nurse (
    nu_Id int(15) NOT NULL, nu_fname
    varchar(255) NOT NULL, nu_lname
    varchar(255) NOT NULL,
    PRIMARY KEY (nu_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.1.4 Patient Table

```
CREATE TABLE patient (
Patient_Id int(15) NOT NULL, firstName
varchar(255) NOT NULL, lastName
varchar(255) NOT NULL, Phone int(20)
NOT NULL,
Password varchar(255) NOT NULL,
PRIMARY KEY (Patient_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.1.5 Payment Table

```
CREATE TABLE payment
( pa_Id int(11) NOT NULL,
`pay_Name` varchar(255) NOT NULL,
pa_amount varchar(255) NOT NULL,
`pa_Date` date NOT NULL,
PRIMARY KEY (`pa_Id`) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.1.6 Receipt Table

```
CREATE TABLE receipt (
receipt_Id int(15) NOT NULL,
receipt_date date NOT NULL,
PRIMARY KEY (receipt_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.1.7 In_Patient table:

```
CREATE TABLE In_patient (
Patient_Id int(15) NOT NULL,
room_Id int(15) NOT NULL, room_no
varchar(255) NOT NULL, stay_Id
int(15) NOT NULL, start_Date date
NOT NULL, discharge_Date date NOT
NULL,
PRIMARY KEY (Patient_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.1.8 Test Table

```
CREATE TABLE test (
te_Id int(15) NOT NULL, te_result
varchar(255) NOT NULL, te_date
date NOT NULL,
PRIMARY KEY (te_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.1.9 Time Slot Table

```
CREATE TABLE timeslot (
slot_Id int(15) NOT NULL, time_Range
time NOT NULL,
PRIMARY KEY (slot_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.2.0 Treatment Table

```
CREATE TABLE treatment (
tr_Id int(15) NOT NULL, issue
varchar(255) NOT NULL,
tr_date date NOT NULL,
PRIMARY KEY (tr_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

2.2.1 Ward Table

```
CREATE TABLE ward (
wa_Id int(15) NOT NULL, wa_Name
varchar(255) NOT NULL,
PRIMARY KEY (wa_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

Normalizing the tables

Doctor table:

```
CREATE TABLE doctor ( Doctor_Id  
int(15) NOT NULL, firstName  
varchar(255) NOT NULL,  
lastName varchar(255) NOT NULL,  
Phone int(15) NOT NULL,  
Password varchar(255) NOT NULL,  
sp_Id int(15) NOT NULL,  
sp_name varchar(255) NOT NULL,  
PRIMARY KEY (Doctor_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

Here the Doctor Id is the candidate key sp_id,sp_name, transitively dependent on doctor_id which violates 3NF so dividing the tables as follow:-

Doctor Table

```
CREATE TABLE doctor (  
Doctor_Id int(15) NOT NULL, firstName  
varchar(255) NOT NULL, lastName  
varchar(255) NOT NULL, Phone int(15)  
NOT NULL,  
Password varchar(255) NOT NULL,  
PRIMARY KEY (`Doctor_Id`) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

Doctor Specialty Table

```
CREATE TABLE doctor_speciality (  
sp_Id int(15) NOT NULL, sp_name  
varchar(255) NOT NULL,  
PRIMARY KEY (sp_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
```

Payment Table

```
CREATE TABLE payment ( pa_Id  
int(11) NOT NULL, pay_Name  
varchar(255) NOT NULL,
```

```

pa_amount varchar(255) NOT NULL,
pa_Date date NOT NULL,
PRIMARY KEY (pa_Id) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4

```

Payment table is further normalized into payment table and payment method table

Payment Table

```

CREATE TABLE payment (pa_Id
int(11) NOT NULL, pa_amount
varchar(255) NOT NULL, pa_Date
date NOT NULL,
PRIMARY KEY (`pa_Id`) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4

```

Payment Method Table

```

CREATE TABLE payment_method (
pay_Id int(15) NOT NULL, pay_Name varchar(255) NOT NULL ) ENGINE=InnoDB
DEFAULT CHARSET=utf8mb4

```

In_Patient table:

```

CREATE TABLE `In_patient` ( `Patient_Id` int(15) NOT NULL, `room_Id` int(15) NOT
NULL, `room_no` varchar(255) NOT NULL, stay_Id` int(15) NOT NULL, `start_Date` date
NOT NULL, `discharge_Date` date NOT NULL, PRIMARY KEY (`Patient_Id`) ) ENGINE=InnoDB
DEFAULT CHARSET=utf8mb4

```

Here the whenever the data inserted for the room and details about staying, results as redundancy of data which violates 1NF. So divided the tables into room and stay table

Room Table

```

CREATE TABLE `room` ( `room_Id` int(15) NOT NULL, `room_no` varchar(255) NOT
NULL, PRIMARY KEY (`room_Id`) ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4

```

Stay Table

```

CREATE TABLE `stay` ( `stay_Id` int(15) NOT NULL, `start_Date` date NOT
NULL, `discharge_Date` date NOT NULL, PRIMARY KEY (`stay_Id`) ) ENGINE=InnoDB DEFAULT
CHARSET=utf8mb4

```

Database Scripts:

- DB_Operations.sql and docx already uploaded in GIT Repo and Canvas

Repo URL:

- <https://github.com/abhayarora23UNT/UntFdbProjectEHMS2022/tree/main>

Member Contribution Table

Member Name	Contribution Description	Overall Contribution (%)
Naveen Kumar Ragam	<ul style="list-style-type: none">• Requirement Analysis• ER Diagram• Documentation	14.5
Abhay Arora	<ul style="list-style-type: none">• Managing GIT Repo• Front End Development• Database Operations and Creation• Requirement Analysis• ER Diagram• Tasks Management	16.5
Sai Meghana Gushidi	<ul style="list-style-type: none">• Front End Development• Database Operations and Creation• Backend Development• ER Diagram• Documentation• Managing GIT Repo	16.5
Jai Srinadh Kalluri	<ul style="list-style-type: none">• Documentation• ER Diagram• Database	15
Prathyusha Yanala	<ul style="list-style-type: none">• Tables Normalization• ER Diagram• Documentation	14
Swathi Surikanti	<ul style="list-style-type: none">• Tables Normalization• ER Diagram• Documentation	14
Subramanyam Prasad Sonti	<ul style="list-style-type: none">• ER Diagram• Requirement Analysis	13