

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

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:

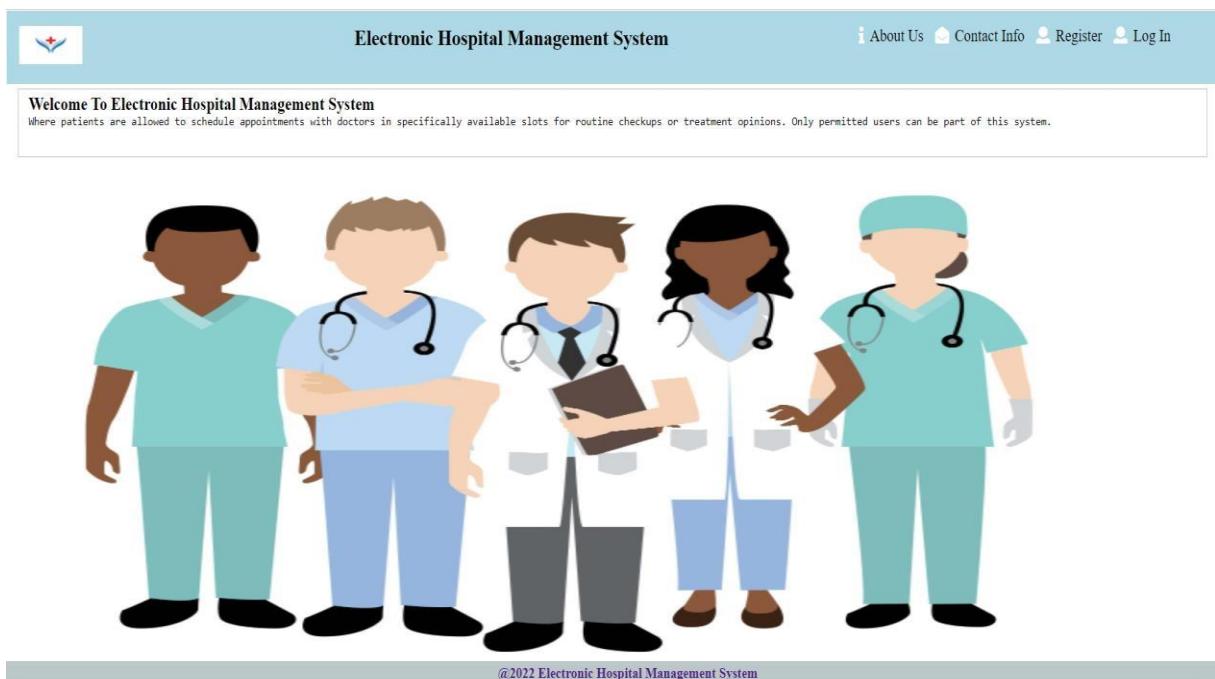
About Us: Displays Hospital Information and its Staff Demographical data.

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.

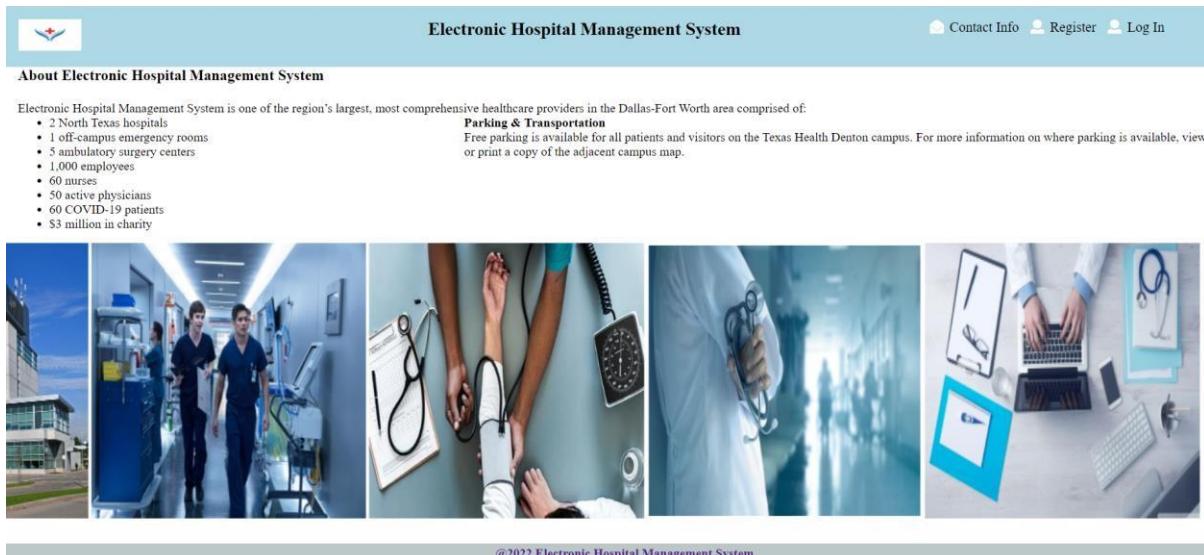
Log In: It redirects to the new screen where you have the privilege to log in to different dashboards as per the type of the user.

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 rooms
- 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

Send 

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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' form. At the top, there's a logo, the system name 'Electronic Hospital Management System', and links for 'About Us', 'Contact Info', and 'Log In'. The main form has a title 'Patient Sign Up' and a sub-section 'Sign up' with the instruction 'Please enter your details to sign up.' It contains six input fields: 'Full Name' (with a person icon), 'Email' (with an envelope icon), 'Address' (with a location pin icon), 'City' (with a city/tower icon), 'Password' (with a lock icon), and 'Confirm Password' (with a lock icon). Below these is a 'Gender' section with 'Male' and 'Female' radio buttons. There's also a checkbox for 'I agree with terms and conditions'. A blue 'Submit' button is at the bottom right. At the very bottom, it says 'Already have an account? [Login](#)' and '©2022 Electronic Hospital Management System'.

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:



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 main title 'Electronic Hospital Management System' is centered above the login form. Below the title, the heading 'Admin Login' is displayed. A sub-instruction 'Sign into your account' is followed by a note 'Please enter your email and password to log in.' There are two input fields: one for 'Email' with a user icon and another for 'Password' with a lock icon. Below these fields is a blue 'Login' button with a circular arrow icon. At the bottom of the page, a copyright notice '@2022 Electronic Hospital Management System' is visible.

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 the 'Patient Login' heading below it. The sub-instruction 'Sign into your account' and the note 'Please enter your Patient ID and password to log in.' are present. The input fields for 'Patient ID' and 'Password' are shown, along with the 'Forgot Password?' link and the blue 'Login' button. A note at the bottom encourages users without an account to 'Create an account'. The footer copyright notice '@2022 Electronic Hospital Management System' is also present.

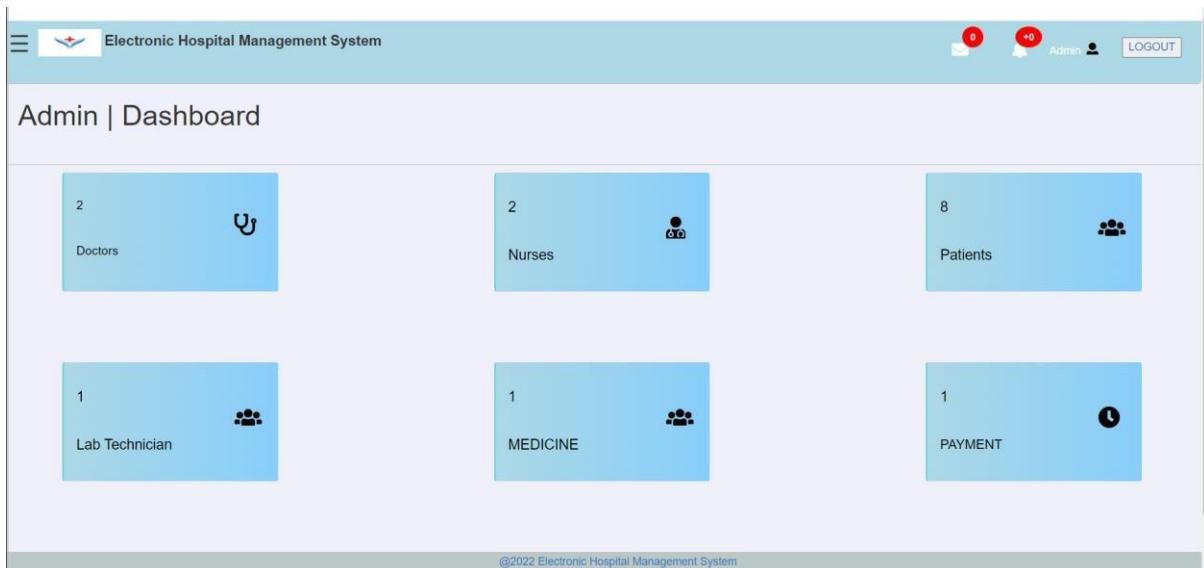
The patient Login page is directed when the patient navigates to the Patient Login of the Login Page. They can be logged in to the application by providing a Patient ID and password.

Doctor Login Page:

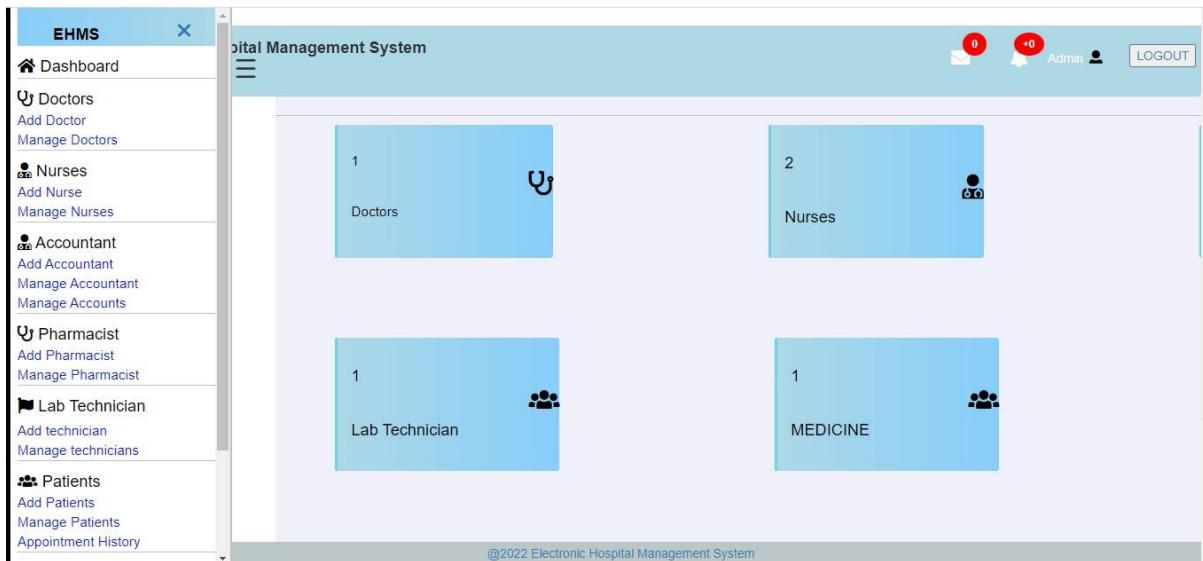
The screenshot shows the 'Doctor Login' page of the 'Electronic Hospital Management System'. At the top, there's a logo of a stylized bird or wings. The main title 'Electronic Hospital Management System' is centered above the login form. To the right, there are links for 'About Us', 'Contact Info', and 'Log In'. The login form itself has a light gray background. It features a header 'Doctor Login' and a sub-header 'Sign into your account'. Below this, a message says 'Please enter your Doctor ID and password to log in.' There are two input fields: one for 'Doctor ID' with a blue placeholder icon and another for 'Password' with a blue placeholder icon. Below the password field is a 'Forgot Password?' link. At the bottom of the form is a blue 'Login' button with a white circular arrow icon. The footer of the page includes a 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.

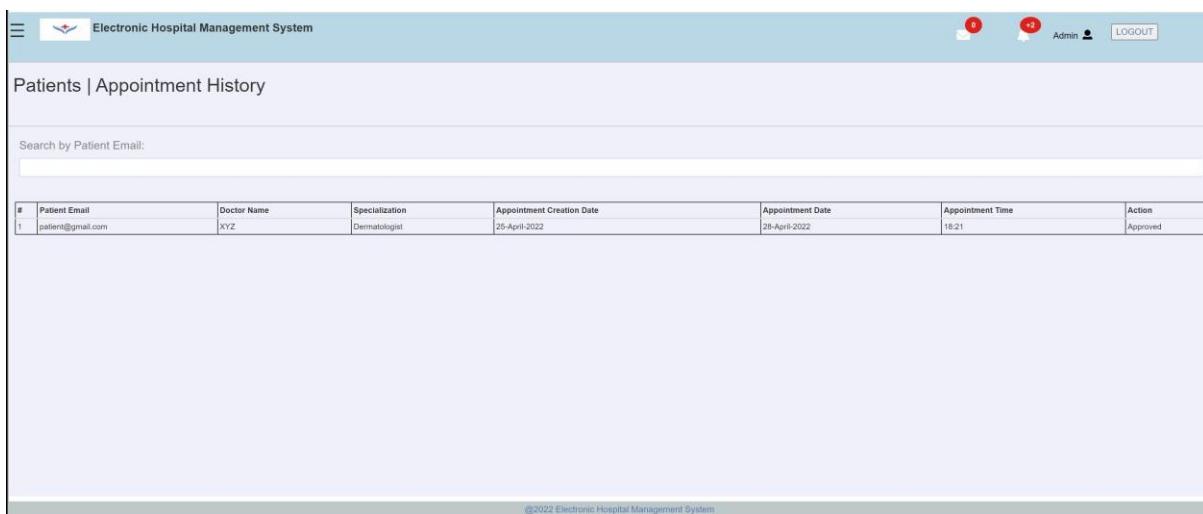
Admin Dashboard:



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.



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.



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

	Name	Phone	Email	Message	Send Date	Status	View or Delete
1	MEGHANA	9999999999	user@gmail.com	excellent services	25-April-2022 09:53:41 pm	unseen	
2	XYZ	922846554674	ab@gmail.com	need ambulance	23-April-2022 12:58:24 pm	unseen	

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

Add Doctor

Name:

Email:

Select Specialization:

Phone:

Password:

Confirm Password:

Save

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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 are notification badges (0 and 2) and a user menu for 'Admin'. Below the header is a search bar labeled 'Search by Phone'. A table lists two doctors:

#	Name	Email	Specialization	Phone	Entry date	Action
1	XYZ	xyz@gmail.com	Dermatologist	9999999999	25-04-2222	
2	DOCTOR	doctor@gmail.com	Gynecologist	1234567891	25-04-2222	

At the bottom right, a copyright notice reads '@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. At the top, there are notification badges (0 and 2) and a user menu for 'Admin'. The main content area is titled 'Add Nurse' and contains a form with the following fields:

- Name (text input)
- Email (text input)
- Select Specialization (dropdown menu, currently set to 'Select Specialization')
- Phone (text input)
- Password (text input)
- Confirm Password (text input)

A blue 'Save' button is located at the bottom right of the form. At the bottom right, a copyright notice reads '@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	NURSEA	nurse@gmail.com	Dermatologist	999999999	23-04-2222	
2	NURSEB	nursea@gmail.com	Dentist	2345678918	26-04-2222	

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 Accountant

Name:

Email:

Phone:

Password:

Confirm Password:

Save

On click of Add Accountant 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.

Admin | Manage Accountant

Search by Phone

#	Name	Email	Phone	Entry date	Action
1	CASHIERA	cashier@gmail.com	8765342918	25-04-2222	

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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.

Admin | Manage Accounts

Search by Email
eg. abc@gmail.com

#	Name	Email	Send date	Amount	Due Amount	Status
1	user1	user@gmail.com	01-March-2022	5300	0	Paid
2	Meghana	megh@gmail.com	23-March-2022	5700	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 interface. The form contains fields for Name, Email, Phone, Password, and Confirm Password. A 'Save' button is at the bottom.

Electronic Hospital Management System

Admin | Add Pharmacist

Add Pharmacist

Name

Email

Phone

Password

Confirm Password

Save

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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 includes a search bar for 'Search by Phone' and a table with columns for #, Name, Email, Phone, Entry date, and Action.

Electronic Hospital Management System

Admin | Manage Pharmacist

Search by Phone

#	Name	Email	Phone	Entry date	Action
1	PHARMACIST	pharmacist@gmail.com	0721692107	10-03-2222	

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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 'Admin | Add Lab Technician' page. At the top, there are notification icons for messages (0) and tasks (1), the user 'Admin' with a profile icon, and a 'LOGOUT' button. The main content area is titled 'Add Lab Technician' and contains five input fields: 'Name' (with a person icon), 'Email' (with an envelope icon), 'Phone' (with a phone icon), 'Password' (with a lock icon), and 'Confirm Password' (with a lock icon). A blue 'Save' button with a circular arrow icon is at the bottom right. The footer displays the copyright notice '@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 'Admin | Manage Lab Technician' page. At the top, there are notification icons for messages (0) and tasks (1), the user 'Admin' with a profile icon, and a 'LOGOUT' button. Below this is a search bar labeled 'Search by Phone'. The main content area displays a table of lab technician entries:

#	Name	Email	Phone	Entry date	Action
1	lab agent2	lab2@gmail.com	9000909090	07-04-2222	
2	lab agent	lab@gmail.com	0734899242	31-03-2222	

The footer displays the copyright notice '@2022 Electronic Hospital Management System'.

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.

Electronic Hospital Management System

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.

Electronic Hospital Management System

Admin | Manage Patients

Search

select date from picker

Search by phone

#	Name	Phone	Email	City	Address	D.o.b	Date	Gender	View
1	Patient1	0722222278	patient1@gmail.com	Denton	128-MACHINERY	08-October-2020	2022-03-25	Male	
2	Patient2	0722222278	patient2@gmail.com	Irving	Parkridge	08-October-2020	2022-03-30	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.

The screenshot shows a web browser window with the URL localhost/FDBproject/UntFdbProjectEHMS2022/Source%20Code/Front-End/VIEW/HTML/ADMIN/patients_appointment_history.php. The page title is "Electronic Hospital Management System". The top navigation bar includes links for Mail, Graduate Academic..., iNorthTX Services L..., myUNT | University..., Handshake, Student-Career, Milestones for Grad..., UNT parking, Home | Transportati..., and a search bar. On the right, there are notifications (0 and 2), a user icon labeled "Admin", and a "LOGOUT" button. The main content area is titled "Patients | Appointment History" and contains a search bar labeled "Search by Patient Email:" followed by a text input field. Below the search bar is a table with columns: #, Patient Email, Doctor Name, Specialization, Appointment Creation Date, Appointment Date, Appointment Time, and Action. One row is visible, showing patient email "patient@gmail.com", doctor name "XYZ", specialization "Dermatologist", appointment creation date "26-April-2022", appointment date "26-April-2022", appointment time "18:21", and action "Approved". At the bottom of the page is a footer with the text "@2022 Electronic Hospital Management System".

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.

The screenshot shows a web browser window with the same URL as the previous screenshot. The page title is "Electronic Hospital Management System". The top navigation bar and user interface elements are identical. The main content area is titled "Patients | FeedBack" and contains a table with columns: #, User, Rate, Services, Complains, Suggestion, Send Date, and Delete. Two rows are visible, both from user "user@gmail.com": one with suggestion "good site" sent on "31-March-2022 11:30:17 am" and another with suggestion "Need more features" sent on "17-March-2022 03:50:57 pm". The "Delete" column contains two "X" icons. At the bottom of the page is a footer with the text "@2022 Electronic Hospital Management System".

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 Electronic Hospital Management System. At the top, there is a header bar with the system name, a user icon (Admin), and a logout button. Below the header, the page title 'Patients | Queries' is displayed. A table lists two entries from patients:

Name	Phone	Email	Message	Send Date	Status	Action
MEGHANA	9999999999	user@gmail.com	excellent services	26-April-2022 09:53:41 pm	unseen	View Delete
XYZ	922846554674	ab@gmail.com	need ambulance	23-April-2022 12:58:24 pm	unseen	View Delete

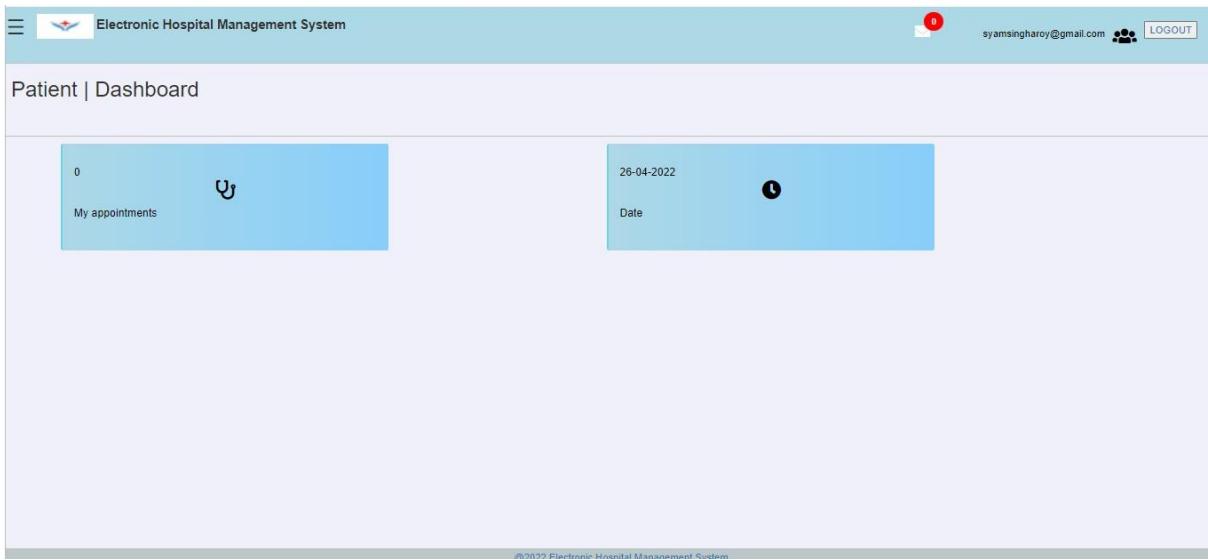
At the bottom of the page, there is a footer bar with the copyright notice '@2022 Electronic Hospital Management System'.

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

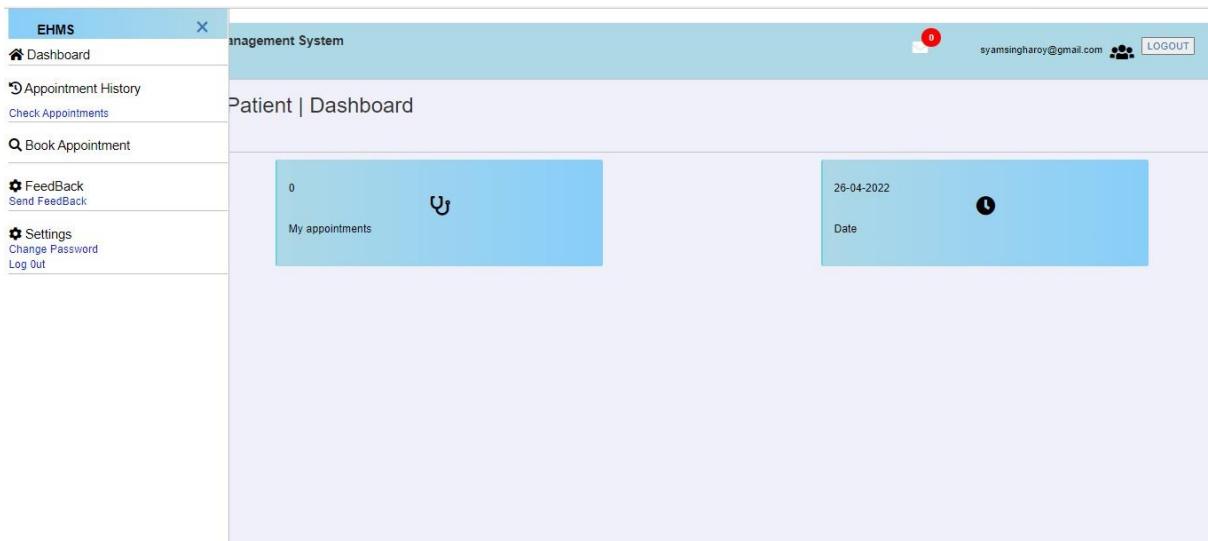
The screenshot shows the 'Admin | Change Password' page of the Electronic Hospital Management System. At the top, there is a header bar with the system name, a user icon (Admin), and a logout button. Below the header, the page title 'Admin | Change Password' is displayed. The page contains a form titled 'Change Password' with three input fields: 'Current Password', 'New Password', and 'Confirm New Password'. A 'Submit' button is located at the bottom right of the form area. The background of the page is light blue.

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 'My | Appointment History' page. At the top, there is a header with the system logo and name 'Electronic Hospital Management System'. On the right side of the header, there is a user profile icon with a red notification dot, the email 'patient@gmail.com', and a 'LOGOUT' button. Below the header, the page title 'My | Appointment History' is displayed. A table below the title lists one appointment entry:

#	Doctor Name	Specialization	Appointment Creation Date	Appointment Date	Appointment Time	Status
1	XYZ	Dermatologist	25-April-2022	26-April-2022	18:21	Approved

At the bottom of the page, a footer bar contains the text '@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 'Patient | Book Appointment' page. At the top, there is a header with the system logo and name 'Electronic Hospital Management System'. On the right side of the header, there is a user profile icon with a red notification dot, the email 'mutuavictor801@gmail.com', and a 'LOGOUT' button. Below the header, the page title 'Patient | Book Appointment' is displayed. A form for booking an appointment is centered on the page:

Booking Appointment for 'mutuavictor801@gmail.com'

Doctor Specialization	Specialization
Doctor	Select Doctor
Consultation fees	1000
Date	dd-mm-yyyy
Time	:-:-

Book button

At the bottom of the page, a footer bar contains the text '@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, 'Electronic Hospital Management System', user information ('mutuavictor801@gmail.com'), and a 'LOGOUT' button. Below the header is a main content area with a blue header bar containing the text 'Send us your feedback!'. This is followed by a form with several dropdown menus and a text area:

- 'Rate our system': Simple
- 'How are our services': Best
- 'Have you ever raised any complain?': No
- 'Do you have any suggestion to make our system Better?': (A large text input field)

A 'Submit' button is located 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.

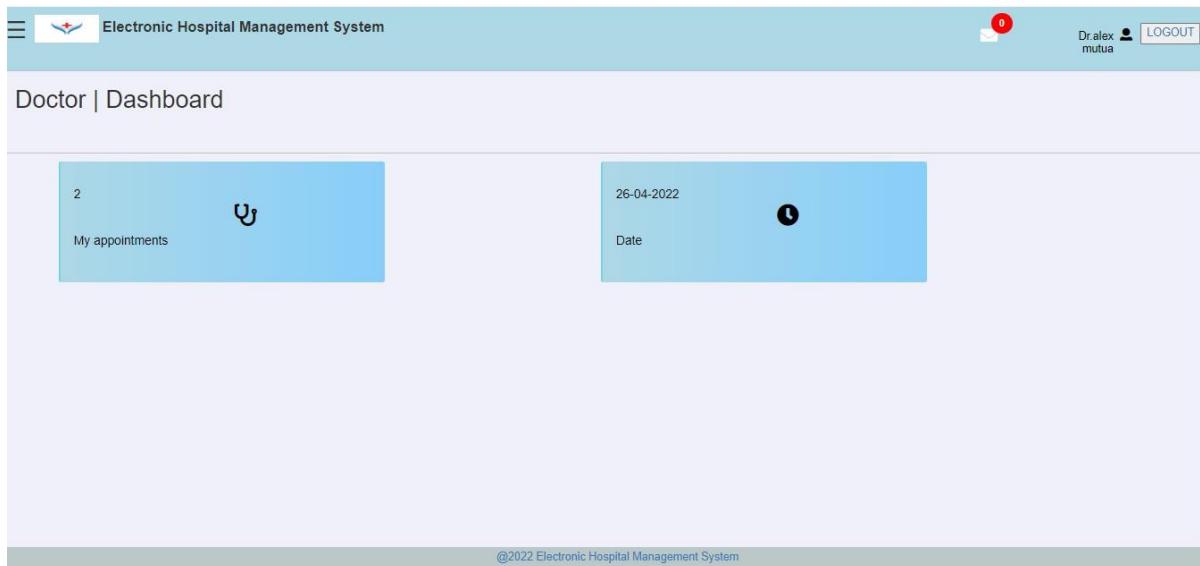
The screenshot shows the 'Patient | Change Password' page. At the top, there's a navigation bar with the system logo, 'Electronic Hospital Management System', user information ('mutuavictor801@gmail.com'), and a 'LOGOUT' button. Below the header is a main content area with a form titled 'Change Password' containing three password input fields:

- 'Current Password'
- 'New Password'
- 'Confirm New Password'

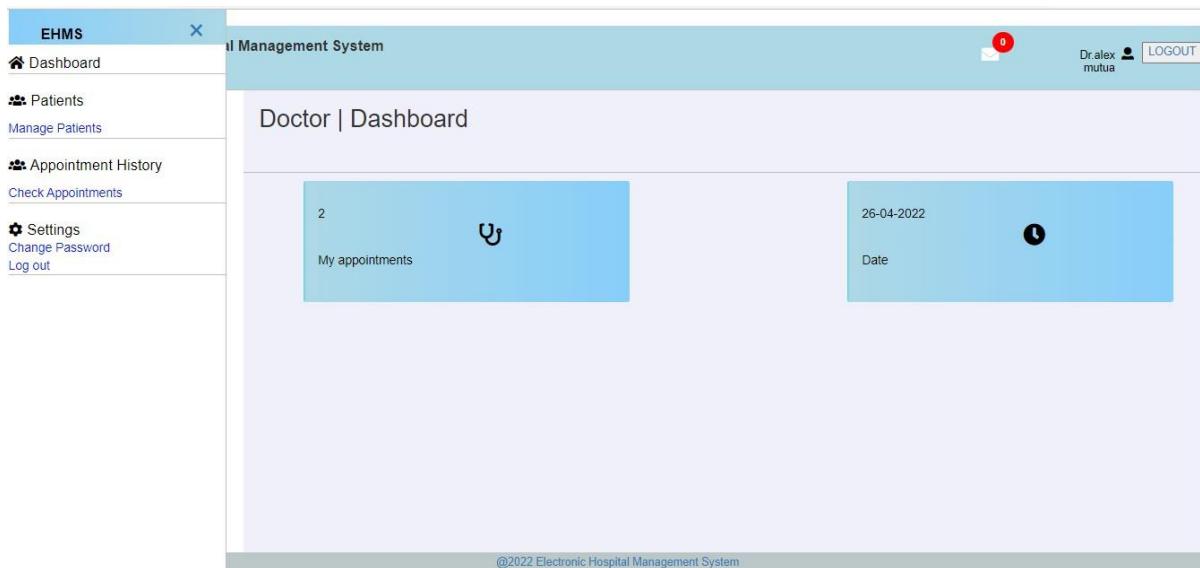
A 'Submit' button is located at the bottom of the form.

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

Dr.doctor LOGOUT

Doctor | Manage Patients

Search by Phone:

#	Name	Phone	Email	City	Address	D.o.b	Registration date	Gender	Consultation/View
1	Patient1	0722222278	patient1@gmail.com	Denton	128-MACHINERY	08-October-2020	25-March-2022	Male	
2	Patient2	0722222278	patient2@gmail.com	Irving	parkridge	08-October-2020	30-March-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

Dr.xy LOGOUT

Doctor | Appointment History

Search by Patient Email:

#	Patient Name	Appointment Creation Date	Appointment Date	Appointment Time	Status	Click to Approve/Not
1	patient1@gmail.com	25-April-2022	28-April-2022	18:21	Approved	<input checked="" type="checkbox"/>

@2022 Electronic Hospital Management System

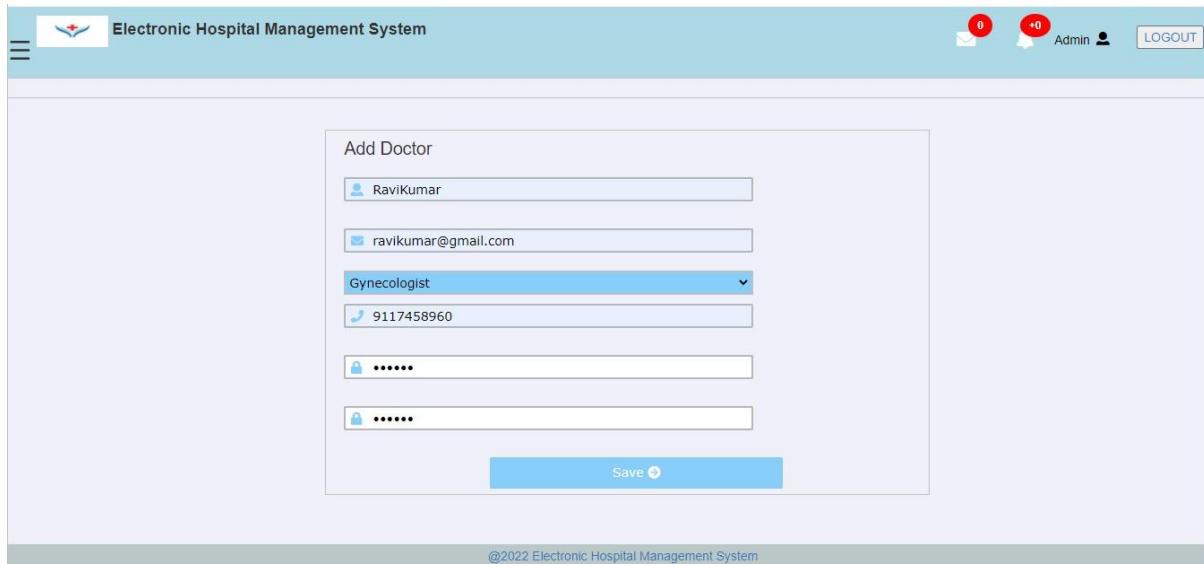
On click of the Check Appointment menu item present under the Appointment History section Doctor will be able to see Appointment History Page.

The screenshot shows a web-based hospital management system interface. At the top, there is a header bar with the title "Electronic Hospital Management System". On the right side of the header, there is a user profile icon for "Dr. alex mutua" and a "LOGOUT" button. Below the header, the main content area has a title "Doctor | Change Password". The central part of the screen is a form titled "Change Password" containing three input fields: "Current Password", "New Password", and "Confirm New Password", each preceded by a lock icon. Below these fields is a blue "Submit" button. 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.

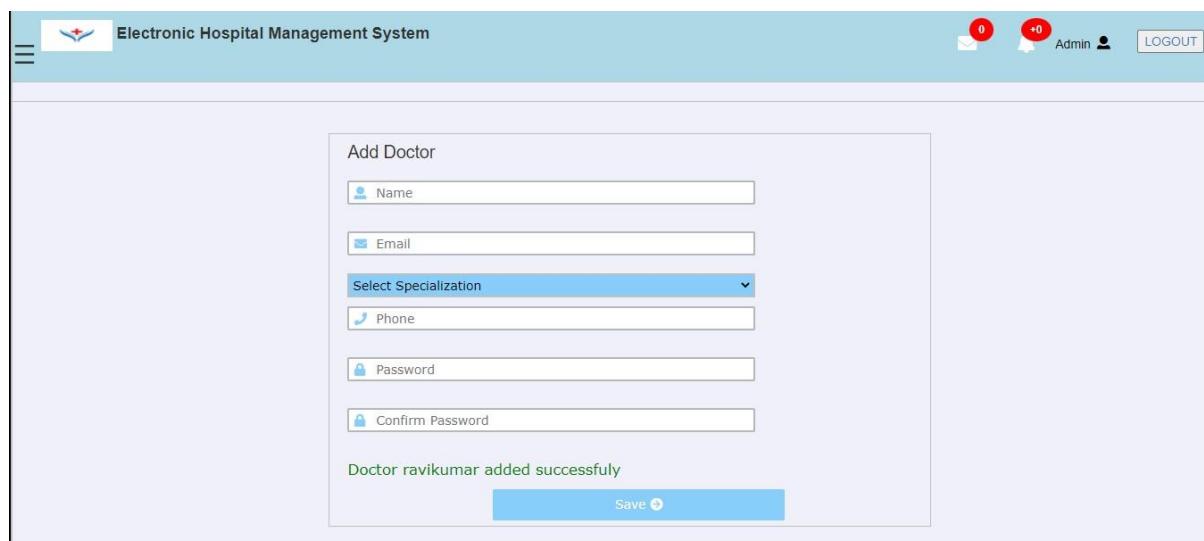


The screenshot shows the 'Add Doctor' form in the E-Hospital Management System. The form fields are as follows:

- Name: RaviKumar
- Email: ravikumar@gmail.com
- Specialization: Gynecologist
- Phone: 9117458960
- Password: (obscured)
- Confirm Password: (obscured)

A 'Save' button is located at the bottom right of the form. The footer of the page displays the copyright notice: '@2022 Electronic Hospital Management System'.

Data saved into table



The screenshot shows the 'Add Doctor' form in the E-Hospital Management System. The form fields are identical to the previous screenshot. Below the form, a green success message is displayed: "Doctor ravikumar added successfully". A 'Save' button is located at the bottom right of the form.

Table after successfully inserting data.

The screenshot shows a web-based hospital management system. At the top, there's a header bar with the title "Electronic Hospital Management System". On the right side of the header, there are notifications for 0 messages and 0 pending actions, and a user account for "Admin". Below the header is a search bar labeled "Search by Phone". The main content area displays a table of doctors:

#	Name	Email	Specialization	Phone	Entry date	Action
1	RAVIKUMAR	ravikumar@gmail.com	Gynecologist	9117458960	25-04-2222	
2	NAVEEN	naveenr@gmail.com	Dentist	8117458960	25-04-2222	

At the bottom of the page, a footer bar contains the text "@2022 Electronic Hospital Management System".

Data updated in database.

The screenshot shows the "phpMyAdmin" interface connected to a MySQL server at 127.0.0.1. The current database is "hospital" and the table is "table_doctor". The interface includes a sidebar with a tree view of tables and a main panel for managing the "table_doctor" table. The table has the following structure:

	user_id	Avatar	Name	Email	Specialization	Phone	Entry_date	Password
	9		RAVIKUMAR	ravikumar@gmail.com	Gynecologist	9117458960	2022-04-25 21:46:43	e10adc3949ba59abbe56e057f20f883e
	10		NAVEEN	naveenr@gmail.com	Dentist	8117458960	2022-04-25 21:47:38	e10adc3949ba59abbe56e057f20f883e

Below the table, there are buttons for "Edit", "Copy", "Delete", "Export", and "Query results operations" like "Print", "Copy to clipboard", "Export", "Display chart", and "Create view".

Modifying data in doctor table

Electronic Hospital Management System

0 Admin LOGOUT

Edit Doctor Info
naveen's Profile
Registration Date: 25-04-2222

Name: naveen

Email: naveenr@gmail.com

Specialization: Orthopaedic

Phone: 8117458960

Update

@2022 Electronic Hospital Management System

After modifying doctor table

Electronic Hospital Management System

0 Admin LOGOUT

Doctor naveen details updated successfully

Search by Phone

#	Name	Email	Specialization	Phone	Entry date	Action
1	RAVIKUMAR	ravikumar@gmail.com	Gynecologist	9117458960	25-04-2222	
2	NAVEEN	naveenr@gmail.com	Orthopaedic	8117458960	25-04-2222	

@2022 Electronic Hospital Management System

Data modified successfully in database.

The screenshot shows the phpMyAdmin interface for the 'hospital' database. The left sidebar lists various tables: nurse, patient, prescription, table_admin, table_appointment_history, table_basic_test, table_contactus, 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, and user. The 'table_doctor' table is selected. The main area displays the following data:

	user_id	Avatar	Name	Email	Specialization	Phone	Entry_date	Password
9	RAVIKUMAR		RAVIKUMAR	ravikumar@gmail.com	Gynecologist	9117458960	2022-04-25 21:46:43	e10adc3949ba59abbe56e057f20f883e
10	NAVEEN		NAVEEN	naveenr@gmail.com	Orthopaedic	8117458960	2022-04-25 21:47:38	e10adc3949ba59abbe56e057f20f883e

Below the table, there are buttons for Edit, Copy, Delete, and Export. A 'Query results operations' section includes Print, Copy to clipboard, Export, Display chart, and Create view options. A 'Bookmark this SQL query' button is also present.

Deleting data from doctor table.

The screenshot shows the 'Electronic Hospital Management System' dashboard. At the top right, there are notifications for 0 messages and 0+ pending actions, and a 'Logout' button. Below the header, a search bar is labeled 'Search by Phone'. A modal dialog box is centered on the screen, asking 'localhost says Are you sure you want to delete Doctor RAVIKUMAR'. It has 'OK' and 'Cancel' buttons. In the background, a table lists doctor information:

#	Name	Email	Specialization	Phone	Entry date	Action
1	RAVIKUMAR	ravikumar@gmail.com	Gynecologist	9117458960	25-04-2222	X
2	NAVEEN	naveenr@gmail.com	Orthopaedic	8117458960	25-04-2222	✓

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

Deleting data successfully from doctor table.

 Electronic Hospital Management System

Doctor deleted from the system successfully

Search by Phone

#	Name	Email	Specialization	Phone	Entry date	Action
1	NAVEEN	naveenr@gmail.com	Orthopaedic	8117458960	25-04-2222	 

@2022 Electronic Hospital Management System

Deleted data reflected in database.

phpMyAdmin

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 (1 total, Query took 0.0006 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 10 NAVEEN naveenr@gmail.com Orthopaedic 8117458960 2022-04-25 21:47:38 e10adc3949ba59abbe56e057f20f883e

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

Console x this SQL query

Inserting data into Nurse table

 Electronic Hospital Management System

0 Admin  LOGOUT

Add Nurse

Name: Mounica

Email: mounicach@gmail.com

Specialization: Orthopaedic

Phone: 6117893260

Password: *****

Confirm Password: *****

Save 

@2022 Electronic Hospital Management System

Data successfully saved

 Electronic Hospital Management System

0 Admin  LOGOUT

Add Nurse

Name: Name

Email: Email

Specialization: Select Specialization

Phone: Phone

Password: Password

Confirm Password: Confirm Password

Nurse mounica added successfully

Save 

@2022 Electronic Hospital Management System

Data inserted into nurse table

The screenshot shows a web-based hospital management system. At the top, there's a header with the logo and title "Electronic Hospital Management System". On the right side of the header, there are notification icons for messages and alerts, both showing zero notifications. The user is logged in as "Admin". A "LOGOUT" button is also present. Below the header, there's a search bar labeled "Search by Phone". The main content area displays a table titled "nurse" with the following data:

#	Name	Email	Specialization	Phone	Entry date	Action
1	MOUNICA	mounicach@gmail.com	Clinical Officer	6117893261	25-04-2222	
2	TEENA	teenas@gmail.com	Pediatrician	8972879261	25-04-2222	

At the bottom of the page, a footer bar contains the text "@2022 Electronic Hospital Management System".

Data successfully inserted into database

The screenshot shows the "phpMyAdmin" interface connected to a MySQL server at "127.0.0.1" and a database named "hospital". The current table is "table_nurse". The interface includes a sidebar with a tree view of all tables in the database. The main area shows the results of a query: "SELECT * FROM `table_nurse`". The results table has the following data:

user_id	Avatar	Name	Email	Specialization	Phone	Entry_date	Password
10		MOUNICA	mounicach@gmail.com	Clinical Officer	6117893261	2022-04-25 21:55:07	e10adc3949ba59abbe56e057f20f883e
11		TEENA	teenas@gmail.com	Pediatrician	8972879261	2022-04-25 21:56:28	e10adc3949ba59abbe56e057f20f883e

Below the results, there are buttons for "Edit", "Copy", "Delete", "Export", and "Operations". There are also sections for "Query results operations" (Print, Copy to clipboard, Export, Display chart, Create view) and "Bookmark this SQL query" (Console, Let every user access this bookmark).

Modifying nurse table

Electronic Hospital Management System

Admin 0 Admin 0 LOGOUT

Edit Nurse Info
teenas's Profile
Registration Date: 25-04-2022

Name: teena S
Email: teenas@gmail.com
Specialization: Pediatrician
Phone: 8972879261

Update

@2022 Electronic Hospital Management System

Modified successfully saved into table

Nurse teena s details updated successfully

Search by Phone

#	Name	Email	Specialization	Phone	Entry date	Action
1	MOUNICA	mounicachi@gmail.com	Clinical Officer	6117893261	25-04-2022	
2	TEENA S	teenas@gmail.com	Pediatrician	8972879261	25-04-2022	

@2022 Electronic Hospital Management System

Deleting data from nurse table

The screenshot shows a web-based hospital management system. At the top, there is a header bar with the title "Electronic Hospital Management System". On the right side of the header, there are notification icons for messages and notifications, both showing zero. Next to them is the user information "Admin" and a "LOGOUT" button. A central modal dialog box is displayed, asking for confirmation to delete a record. The dialog text reads: "localhost says" followed by "Are you sure you want to delete Nurse MOUNICA?". There are two buttons at the bottom of the dialog: "OK" and "Cancel". Below the dialog, the main content area shows a table titled "Nurses" with two rows of data. The columns are labeled: #, Name, Email, Specialization, Phone, Entry date, and Action. The first row corresponds to the deleted record (MOUNICA). The second row corresponds to TEENA S.

#	Name	Email	Specialization	Phone	Entry date	Action
1	MOUNICA	mounicach@gmail.com	Clinical Officer	6117893261	25-04-2222	
2	TEENA S	teenas@gmail.com	Pediatrician	8972879261	25-04-2222	

@2022 Electronic Hospital Management System

Table after deleting a tuple in nurse table

This screenshot shows the same hospital management system after the record for MOUNICA has been deleted. The interface and layout are identical to the previous screenshot, but the data in the table has been updated. The table now only contains one row for TEENA S, indicating that the record for MOUNICA has been successfully removed.

#	Name	Email	Specialization	Phone	Entry date	Action
1	TEENA S	teenas@gmail.com	Pediatrician	8972879261	25-04-2222	

@2022 Electronic Hospital Management System

Successfully data deleted in database

The screenshot shows the phpMyAdmin interface for a MySQL database named 'hospital'. The current table is 'table_nurse'. A message at the top indicates 'Showing rows 0 - 0 (1 total, Query took 0.0006 seconds.)'. Below it is a SQL query: 'SELECT * FROM `table_nurse`'. The main area displays a table with one row of data:

user_id	Avatar	Name	Email	Specialization	Phone	Entry_date	Password
11		TEENAS	teenas@gmail.com	Pediatrician	8972879261	2022-04-25 21:56:28	e10adc3949ba59abbe56e057f20f883e

Below the table are buttons for 'Edit', 'Copy', 'Delete', 'Check all', and 'With selected'. At the bottom are links for 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'.

Insert data into Pharmacist table

The screenshot shows the 'Electronic Hospital Management System' web application. The title bar includes the logo and the text 'Electronic Hospital Management System'. On the right, there are notification icons for messages and alerts, and a user session 'Admin'. The main content area is titled 'Add Pharmacist' and contains five input fields:

- First Name: Praveen H
- Email: praveenh@gmail.com
- Phone: 8972879262
- Password: (redacted)
- Confirm Password: (redacted)

A blue 'Save' button is located at the bottom right of the form. At the bottom of the page, a footer bar displays the copyright information: '@2022 Electronic Hospital Management System'.

Data saved into table successfully

The screenshot shows the 'Add Pharmacist' page of the Electronic Hospital Management System. It features five input fields: 'Name', 'Email', 'Phone', 'Password', and 'Confirm Password'. Below the fields, a green success message reads 'Pharmacist praveen h added successfully'. At the bottom right is a blue 'Save' button.

Data reflected successfully in database

The screenshot shows the phpMyAdmin interface for the 'table_pharmacist' table in the 'hospital' database. The table structure is displayed with columns: user_id, Name, Email, Phone, Avatar, Entry_date, and Password. Three rows are present in the table:

user_id	Name	Email	Phone	Avatar	Entry_date	Password
3	PRAVEEN CH	praveench@gmail.com	8972879260		2022-04-25 21:08:58	e10adc3949ba59abbe56e057f20f883e
4	PRAVEEN H	praveenhh@gmail.com	8972879262		2022-04-25 22:05:53	e10adc3949ba59abbe56e057f20f883e
5	ABHAY A	abhaya@gmail.com	6117893160		2022-04-25 22:07:34	e10adc3949ba59abbe56e057f20f883e

Modifying Pharmacist table

Electronic Hospital Management System

PRAVEEN CH's Profile
Registration Date: 25-04-2222

Name: PRAVEEN CH
Email: praveench@gmail.com
Phone: 67869665699

Update

@2022 Electronic Hospital Management System

Successfully modified Pharmacist table

Technician praveen ch details updated successfully

Search by Phone

#	Name	Email	Phone	Entry date	Action
1	PRAVEEN CH	praveench@gmail.com	67869665699	25-04-2222	
2	PRAVEEN H	praveenh@gmail.com	8972879262	25-04-2222	
3	ABHAY A	abhaya@gmail.com	6117893160	25-04-2222	

@2022 Electronic Hospital Management System

Deleting data in Pharmacist table

The screenshot shows a web-based hospital management 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 notification icons for messages and notifications, both showing zero. Next to them is the user information "Admin" and a "LOGOUT" button. A central modal dialog box is open, displaying the message "localhost says" followed by "Are you sure you want to delete Pharmacist PRAVEEN H". There are two buttons at the bottom of the dialog: "OK" and "Cancel". Below the dialog, the main content area shows a table of pharmacists. The table has columns for #, Name, Email, Phone, Entry date, and Action. The data in the table is as follows:

#	Name	Email	Phone	Entry date	Action	
1	PRAVEEN CH	praveench@gmail.com	67869665699	25-04-2222		
2	PRAVEEN H	praveenh@gmail.com	8972879262	25-04-2222		
3	ABHAY A	abhaya@gmail.com	6117893160	25-04-2222		

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

Successfully deleted the data from table

This screenshot shows the same web-based hospital management system after a deletion. The header and user information are identical to the previous screenshot. A green success message "Pharmacist deleted from the system successfully" is displayed above the search bar. The main content area shows the same table of pharmacists, but the second row (with ID 2) is now missing, indicating it has been deleted. The data in the remaining rows is as follows:

#	Name	Email	Phone	Entry date	Action	
1	PRAVEEN CH	praveench@gmail.com	67869665699	25-04-2222		
2	ABHAY A	abhaya@gmail.com	6117893160	25-04-2222		

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

Pharmacist table after deleting data.

The screenshot shows the phpMyAdmin interface for the 'hospital' database. The 'table_pharmacist' is selected. The SQL query results show two rows of data:

```
SELECT * FROM `table_pharmacist`
```

	user_id	Name	Email	Phone	Avatar	Entry_date	Password
<input type="checkbox"/>	3	PRAVEEN CH	praveench@gmail.com	67869665699		2022-04-25 21:08:58	e10adc3949ba59abbe56e05f20f883e
<input type="checkbox"/>	5	ABHAY A	abhaya@gmail.com	6117893160		2022-04-25 22:07:34	e10adc3949ba59abbe56e05f20f883e

Below the table, there are buttons for Edit, Copy, Delete, and Export. The 'Query results operations' section includes Print, Copy to clipboard, Export, Display chart, and Create view.

Insert data into Lab Technician table

The screenshot shows the 'Electronic Hospital Management System' interface. A modal window titled 'Add Lab Technician' is open, containing the following fields:

- Name: Syam M
- Email: syamm@gmail.com
- Phone: 9218969270
- Password: (Redacted)
- Confirm Password: (Redacted)

A 'Save' button is at the bottom right of the form. The footer of the page reads '@2022 Electronic Hospital Management System'.

Successfully added into Lab Technician table

The screenshot shows the 'Add Lab Technician' page of the 'Electronic Hospital Management System'. The page has a header with the system name and user information. Below the header is a form with five input fields: 'Name', 'Email', 'Phone', 'Password', and 'Confirm Password'. A green success message 'Technician syam m added successfully' is displayed above a blue 'Save' button. At the bottom of the page is a footer with copyright information.

Lab Technician table after inserting data.

The screenshot shows the 'table_lab_technician' table in phpMyAdmin. The table structure is displayed with columns: user_id, Name, Email, Phone, Avatar, Entry_date, and Password. Two rows are present in the data grid:

	user_id	Name	Email	Phone	Avatar	Entry_date	Password
1	3	NAVEEN	naveenr@gmail.com	9218979270		2022-04-25 21:16:28	e10adc3949ba59abbe56e057f20f883e
2	4	SYAM M	syamm@gmail.com	9218969270		2022-04-25 22:17:51	e10adc3949ba59abbe56e057f20f883e

Modifying Technician table

The screenshot shows the 'Edit Technician Info' page. At the top, it displays 'NAVEEN's Profile' and the 'Registration Date: 25-04-2222'. Below this are three input fields: 'Name' (NAVEEN), 'Email' (naveenr@gmail.com), and 'Phone' (9218977430). A blue 'Update' button is located at the bottom right of the form. The page header includes the system logo and title 'Electronic Hospital Management System', along with user status indicators (0 messages, 0 notifications) and a 'Logout' link.

Successfully saved modified details

The screenshot shows a table titled 'Technician naveen details updated successfully'. It lists two technicians: NAVEEN and SYAM M. The table columns are #, Name, Email, Phone, Entry date, and Action. Both rows have a green checkmark icon in the Action column. The page header includes the system logo and title 'Electronic Hospital Management System', along with user status indicators (0 messages, 0 notifications) and a 'Logout' link.

#	Name	Email	Phone	Entry date	Action
1	NAVEEN	naveenr@gmail.com	9218977430	25-04-2222	
2	SYAM M	syamm@gmail.com	9218969270	25-04-2222	

Delete data from Technician table.

The screenshot shows the 'Electronic Hospital Management System' interface. A modal dialog box is centered, displaying the message: "localhost says
Are you sure you want to delete Technician SYAM M". Below the message are two buttons: "OK" and "Cancel". The main content area shows a success message: "Technician naveen details updated successfully". Below this, there is a search bar labeled "Search by Phone" and a table listing technician details. The table has columns: #, Name, Email, Phone, Entry date, and Action. Two rows are present: one for NAVEEN (id 1) and one for SYAM M (id 2). The "Action" column for SYAM M contains a green edit icon and a red delete icon. At the bottom of the page is a footer with the text "@2022 Electronic Hospital Management System".

Technician table after deleting data.

The screenshot shows the 'Electronic Hospital Management System' interface. A success message "ab technician deleted from the system successfully" is displayed. Below it is a search bar labeled "Search by Phone". A table lists technician details. The table has columns: #, Name, Email, Phone, Entry date, and Action. Only one row is present for NAVEEN (id 1), with the "Action" column containing a green edit icon and a red delete icon. At the bottom of the page is a footer with the text "@2022 Electronic Hospital Management System".

After deleting data in technician table

The screenshot shows the phpMyAdmin interface for the 'hospital' database. The current table is 'table_lab_technician'. A single row is displayed:

user_id	Name	Email	Phone	Avatar	Entry_date	Password
3	NAVEEN	naveenr@gmail.com	9218977430		2022-04-25 21:16:28	e10adc3949ba59abbe56e057f20f883e

Below the table, there are several operation buttons: Edit, Copy, Delete, and Export.

Insert data into Patients table

The screenshot shows the 'Add Patients' form in the Electronic Hospital Management System. The fields filled are:

- Name: Meghana
- Phone: 6117823260
- Email: meghanag@gmail.com
- Address: Vizag
- Address: 121 Home apt
- Date of Birth: 14-06-1995

The Gender section shows 'Female' selected. There is a 'Save' button at the bottom.

Successfully added data into patients table

Add Patients

Full Name

Phone

Email

City

Address

dd-mm-yyyy

Gender

Male Female

Patient meghana added successfully

Save

@2022 Electronic Hospital Management System

After inserting data into Patient table

Search

select date from picker

Search by phone

#	Name	Phone	Email	City	Address	D.o.b	Date	Gender	View
1	PAUL K A	8973219760	paulka@gmail.com	NEWYORK	121 HOME APT	25-June-1966	2022-04-26	Male	
2	MEGHANA	6117823260	meghanag@gmail.com	VIZAG	121 HOME APT	14-June-1995	2022-04-26	Female	
3	SWATHI	8972679260	swathis@gmail.com	DELHI	133 NEFT STREET	25-June-1998	2022-04-26	Female	

@2022 Electronic Hospital Management System

After inserting data into Patient table

The screenshot shows the phpMyAdmin interface for the 'hospital' database. The left sidebar lists various tables: table_admin, table_appointment_history, table_basic_test, table_contactus, 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, user, information_schema, mysql, performance_schema, and phpmyadmin. The main area is titled 'Table: table_patients'. It displays a query result with three rows of data:

	user_id	FullName	Phone	Email	City	Address	DOB	Visit_date	Gender
<input type="checkbox"/>	11	PAUL KA	8973219760	paulka@gmail.com	NEWYORK	121 HOME APT	1966-06-25	2022-04-26	Male
<input type="checkbox"/>	12	MEGHANA	6117823260	meghanag@gmail.com	VIZAG	121 HOME APT	1995-06-14	2022-04-26	Female
<input type="checkbox"/>	13	SWATHI	8972679260	swathis@gmail.com	DELHI	133 NEFT STREET	1998-06-25	2022-04-26	Female

Insert data into Accountant table

The screenshot shows the 'Electronic Hospital Management System' interface. The top navigation bar includes a logo, the system name, a search bar, and user status indicators (0 notifications, +0 pending). The user is logged in as 'Admin'. The main content area is titled 'Add Accountant' and contains five input fields: Name (Subramanyam), Email (subramanyams@gmail.com), Phone (9218379270), Password (*****), and Confirm Password (*****). A 'Save' button is at the bottom right.

Table after inserting the data into Accountant table

The screenshot shows a web-based hospital management system. At the top, there's a header bar with the title "Electronic Hospital Management System". On the right side of the header, there are notification icons for messages and notifications, both showing zero. Next to them is the user information "Admin" and a "LOGOUT" link. Below the header, there's a search bar labeled "Search by Phone". Underneath the search bar is a table with the following 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, a footer bar displays the copyright notice "@2022 Electronic Hospital Management System".

Data reflected in database after inserting data

The screenshot shows the "phpMyAdmin" interface connected to a MySQL server at "127.0.0.1" and a database named "hospital". The current table is "table_finance". The left sidebar lists various tables in the database. The main area shows the results of a query: "SELECT * FROM `table_finance`". The results are displayed in a grid format:

user_id	Name	Email	Phone	Avatar	Entry_date	Password
3	SUBRAMANYAM	subramanyams@gmail.com	9218379270		2022-04-25 22:28:57	e10adc394ba59abbe56e057f20f883e
4	CHANDRAM	chandramn@gmail.com	8972869260		2022-04-25 22:29:48	e10adc394ba59abbe56e057f20f883e

Below the grid, there are buttons for "Edit", "Copy", and "Delete" for each row. There are also buttons for "Check all", "With selected", "Edit", "Copy", "Delete", and "Export". At the bottom, there are links for "Print", "Copy to clipboard", "Export", "Display chart", and "Create view".

Modifying Accountant table

Edit Accountant Info
SUBRAMANYAM'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

Accountant subhramanyam details updated successfully

Search by Phone

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

@2022 Electronic Hospital Management System

After modifying Accountant table

The screenshot shows the phpMyAdmin interface for the 'table_finance' table in the 'hospital' database. The table has columns: user_id, Name, Email, Phone, Avatar, Entry_date, and Password. Two rows are displayed:

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

Deleting data from Accountant table

The screenshot shows the Electronic Hospital Management System interface. A confirmation dialog box is displayed, asking if the user wants to delete the accountant 'CHANDRAM'. The dialog has 'OK' and 'Cancel' buttons.

localhost says
Are you sure you want to delete Cashier CHANDRAM

OK Cancel

Accountant subhramanyam details updated successfully

Search by Phone

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

@2022 Electronic Hospital Management System

Table after deleting data from Accountant table

The screenshot shows the phpMyAdmin interface for the 'table_finance' table in the 'hospital' database. The table has columns: user_id, Name, Email, Phone, Avatar, Entry_date, and Password. One row is displayed:

	user_id	Name	Email	Phone	Avatar	Entry_date	Password
	3	SUBHRAMANYAM	subramanyams@gmail.com	9218379270		2022-04-25 22:28:57	e10adc3949ba59abbe56e057f20f883e

Doctor's prescription

The screenshot shows the Electronic Hospital Management System interface. It includes three forms:

- Lab Form:** A table with columns: #, Email, Name, Phone, Symptoms(Additional Details of Patient), and Test('s). One row is shown:

#	Email	Name	Phone	Symptoms(Additional Details of Patient)	Test('s)
	meghanag@gmail.com	meghana	6117823260	Malaria	Montox

- Finance Form:** A table with columns: #, Email, Name, Phone, Consultation fee, Lab test fee, Pharmacy fee, and Treatment fee. One row is shown:

#	Email	Name	Phone	Consultation fee	Lab test fee	Pharmacy fee	Treatment fee
	meghanag@gmail.com	meghana	6117823260	1000			

- Pharmacy Form:** A table with columns: #, Email, Name, Phone, and Medical Prescription. One row is shown:

#	Email	Name	Phone	Medical Prescription
	meghanag@gmail.com	meghana	6117823260	

Data reflected in Database after doctor inserting data

The screenshot shows the phpMyAdmin interface connected to a MySQL server at 127.0.0.1, database hospital, and table table_lab_report. The table has columns: Id, Name, Email, Phone, Symptoms, Test, Results, Send_date, and Status. Two rows are displayed:

Id	Name	Email	Phone	Symptoms	Test	Results	Send_date	Status
7	paul k a	paulka@gmail.com	8973219760	24 hour stomach pain	Appendix test		2022-04-25 22:52:31	Not Tested
9	meghana	meghanag@gmail.com	6117823260	Malaria	Montox		2022-04-25 22:55:40	Not Tested

Doctor able to insert the fee for patient

The screenshot shows the Electronic Hospital Management System interface. At the top, there is a navigation bar with a logo, the system name, a notification badge (0), user information (Dr.naveen), and a logo.

Finance Form

#	Email	Name	Phone	Consultation fee	Lab test fee	Pharmacy fee	Treatment fee
	swathis@gmail.com	swathi	8972679260	1000	860	2500	140000

Pharmacy Form

#	Email	Name	Phone	Medical Prescription
	swathis@gmail.com	swathi	8972679260	(Empty Text Area)

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

Patient Send to Finance successfully

Search by Phone

#	Name	Phone	Email	City	Address	D.o.b	Registration date	Gender	Consultation/View	
1	PAUL KA	8973219760	paulka@gmail.com	NEWYORK	121 HOME APT	25-June-1966	26-April-2022	Male		
2	MEGHANA	6117823260	meghanag@gmail.com	VIZAG	121 HOME APT	14-June-1995	26-April-2022	Female		
3	SWATHI	8972679260	swathis@gmail.com	DELHI	133 NEFT STREET	25-June-1998	26-April-2022	Female		

@2022 Electronic Hospital Management System

Data reflected in table

Showing rows 0 - 1 (total: 2 rows, Query took 0.0017 seconds.)

SELECT * FROM `table_payments`

	Id	Email	Name	Consultation_fee	Lab_test_fee	Treatment_fee	Pharmacy_fee	Other_charges	Total_amount	Mp
	13	swathis@gmail.com	swathi	1000	860	140000	2500		144360	0
	14	paulka@gmail.com	paul k a	1000	860	300000	1700		303560	0

Doctor able to insert the medicine for the patient

The screenshot shows two forms side-by-side:

Finance Form:

#	Email	Name	Phone	Consultation fee	Lab test fee	Pharmacy fee	Treatment fee
	paulka@gmail.com	paul k a	8973219760	1000			

Pharmacy Form:

#	Email	Name	Phone	Medical Prescription
	paulka@gmail.com	paul k a	8973219760	pantop D Dygiene

Buttons at the bottom right: **Finance** and **Pharmacy**.

Footer: @2022 Electronic Hospital Management System

Data reflected in table

phpMyAdmin interface showing the **table_pharmacy** table.

Table structure:

Id	Email	Name	Phone	Prescription	Status	Send_date
6	paulka@gmail.com	paul k a	8973219760	pantop D Dygiene	Not Prescribed	2022-04-25 23:01:13
7	swathis@gmail.com	swathi	8972679260	Gelatin Dolo 650	Not Prescribed	2022-04-25 23:02:29

Buttons at the bottom: **Edit**, **Copy**, **Delete**, **Export**.

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• Database Operations• Tables Normalization	15
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
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
Jai Srinadh Kalluri	<ul style="list-style-type: none">• Tables Normalization• Documentation• ER Diagram• Database Creation	14
Prathyusha Yanala	<ul style="list-style-type: none">• Tables Normalization• ER Diagram• Documentation• Database Creation	14
Swathi Surikanti	<ul style="list-style-type: none">• Tables Normalization• ER Diagram• Documentation• Database Creation	14
Subramanyam Prasad Sonti	<ul style="list-style-type: none">• ER Diagram• Requirement Analysis	13