

e-HOSPITAL

Hospital Management System

February 24, 2023



Introduction

This is a hospital management project which offers a variety of functions and provides an easy way to navigate and book appointments. This project focuses on simplicity and functionality.

by Soumyadeep Sinha

[Project Link](#)



Installation

Make sure to open the terminal in the correct directory.

--> install the following modules in the main folder. (run the following commands in terminal.)

1. npm i express
2. npm i body-parser
3. npm i mongodb-sessions
4. npm i express-sessions
5. npm i mongoose
6. npm i ejs

--> install the following modules in the Chat folder. (run the following commands in terminal.)

1. npm i express
2. npm i socket.io

-->optional module

- nodemon can be installed for easier operation.

Running the project

In the main folder run the app.js file using node or nodemon --> this will run in **localhost:3000**

In the same folder run the admin.js file using node or nodemon --> this will run on **localhost:4000**

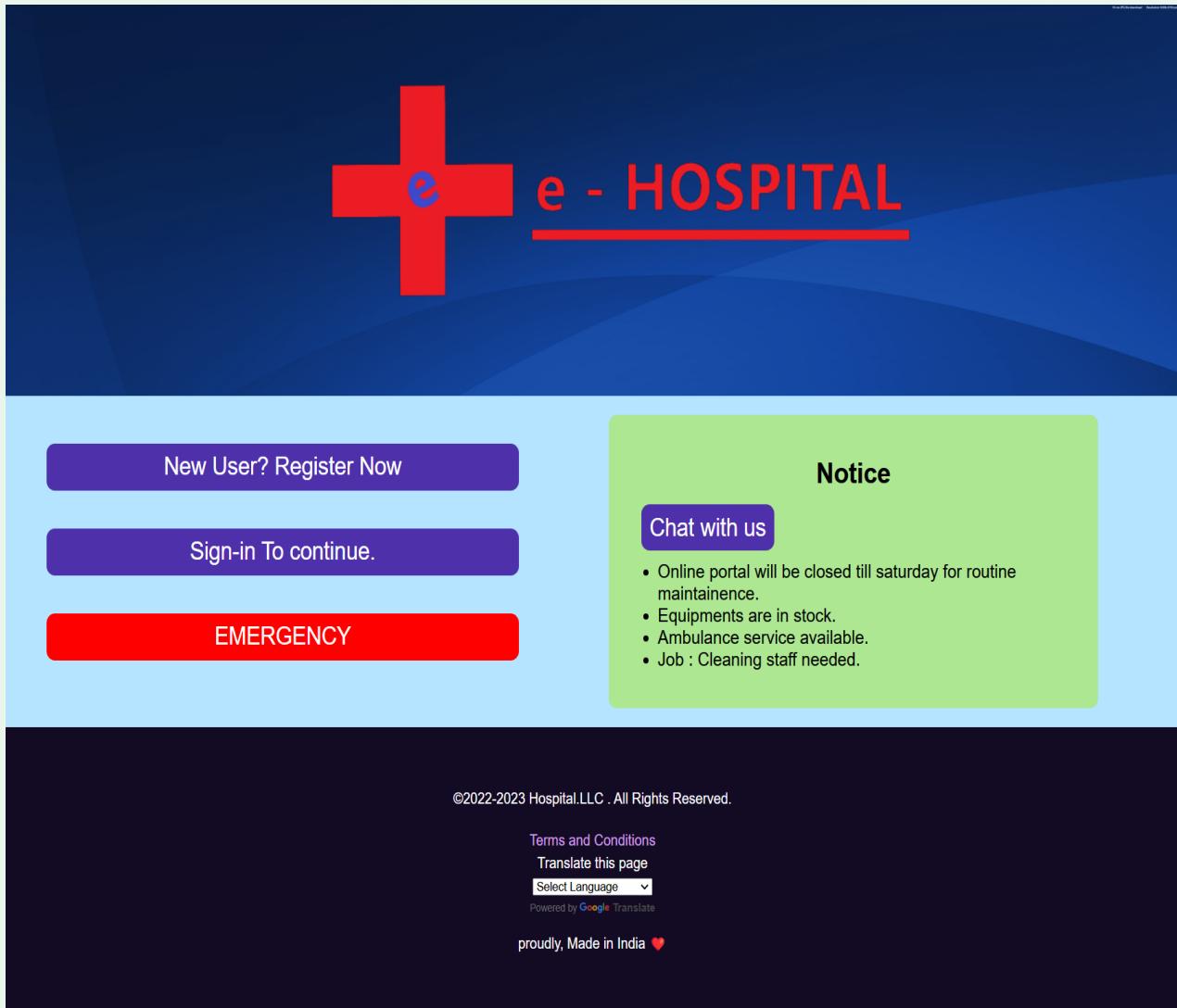
In the Chat folder run the chat_server.js file using node or nodemon --> this will run on

localhost:3500

~ All modern browsers are supported.

Feature Pages

1) Home page



The image shows the homepage of a hospital website. At the top, there is a large red cross logo with a blue 'e' in the center, followed by the text "e - HOSPITAL" in red. Below the header, there are three purple buttons: "New User? Register Now", "Sign-in To continue.", and "EMERGENCY". To the right, there is a green box titled "Notice" containing the text "Chat with us" and a list of bullet points: "• Online portal will be closed till saturday for routine maintainence.", "• Equipments are in stock.", "• Ambulance service available.", and "• Job : Cleaning staff needed.". At the bottom, there is a dark footer bar with the text "©2022-2023 Hospital.LLC . All Rights Reserved." and links for "Terms and Conditions", "Translate this page", "Select Language", and "Powered by Google Translate". It also includes the text "proudly, Made in India ❤️".

New User? Register Now

Sign-in To continue.

EMERGENCY

Notice

Chat with us

- Online portal will be closed till saturday for routine maintainence.
- Equipments are in stock.
- Ambulance service available.
- Job : Cleaning staff needed.

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2) Registration page

The image shows a registration form titled "Create a free account now." set against a scenic background of a mountain range at sunset. The form includes fields for name, gender, date of birth, phone number, email, password, and a checkbox for agreeing to terms and conditions. It also features social media links and a "Register now" button.

HOSPITAL

[Home](#) [Login](#) [Buy medicines](#)

Create a free account now.

Enter your full name.

Gender

male
 female
 Others

Enter your Date of Birth dd-mm-yyyy

Enter your phone Number.

Enter your email.

Create a password.

Confirm password.

I agree to the [terms and conditions](#).

[Register now](#)

[Already a user?](#)

Get in touch

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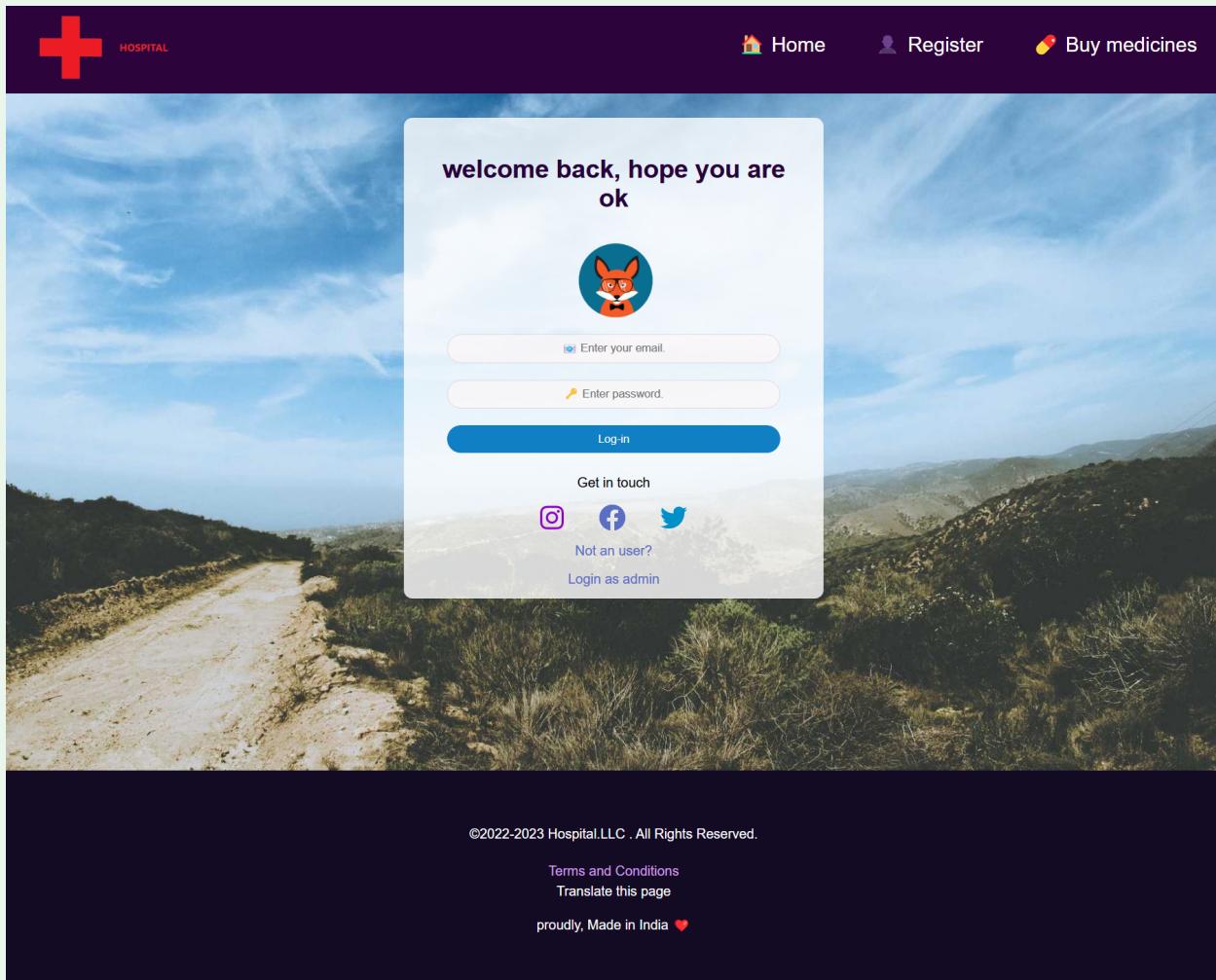
[Translate this page](#)

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3) login page for users



4) Home Page

The screenshot shows a mobile application interface for a hospital. At the top, there is a navigation bar with a red cross logo and the word "HOSPITAL". To the right of the logo are four items: "Chat" (with a speech bubble icon), "Account info" (with a user profile icon), "your appointments" (with a calendar icon), and "Buy medicines" (with a pill icon). Below the navigation bar, the screen is divided into several sections:

- Welcome : Soumyadeep Sinha** (displayed in a blue header bar)
- Logout** (button in the top right corner of the blue header bar)
- Latest Updates** (title in a pink box)
 - Online portal will be closed till saturday for routine maintainence.
 - Medicines are in stock.
 - Equipments are in stock.
 - Ambulance service available.
 - Job : Cleaning staff needed.
- Select a department to book an appointment** (title in a teal box)
 - Anesthesiology department
 - Cardiology department
 - ENT department
 - Gastroenterology department
 - General surgery
 - Gynaecology department
 - Pediatrics department
 - Psychiatry department
 - Neurology department
 - Orthopaedic department
 - Urology department**Donate Blood** (button in a red box at the bottom of the teal section)
- 4 users** (text in a pink box)
- Contact Us** (title in a dark purple box)
 - Email: contactus@gmail.com
 - Contact No. : 0755-8***-3234
 - Address : ABC hospital, MP Nagar, Zone - 3, Bhopal
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- proudly. Made in India ❤️

5) User Info Page

UID : 63cf74bf63d8a7c0a71355e9

Name : Soumyadeep Sinha

Email : deep@mymail.com

phone NO. : 7654329129

Password : 123456

Note: copy the UID if u want to update user info

CLICK HERE TO UPDATE DATA

Enter the UID to confirm

Delete Account

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Here users can view their details and have the option to update or delete the account.

6) Update Info

The screenshot shows a dark-themed web interface for updating personal information. At the top, there's a navigation bar with icons for Home, Account info, Your Appointments, and Buy medicines. Below the navigation, there are five input fields: 'Enter the UID to confirm', 'Enter New Name', 'Enter New Phone Number', 'Enter New Email', and 'Enter New Password'. A green 'Update Values' button is positioned below these fields. At the bottom of the page, there's a footer with copyright information, terms and conditions, a language selection dropdown, and a note about Google Translate. It also features a 'proudly, Made in India' badge.

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7) Appointments

The screenshot shows a web page for managing appointments. On the left, a sidebar lists various medical departments: Anesthesiology department, Cardiology department, ENT department, Gastroenterology department, General surgery, Gynaecology department, Pediatrics department, Psychiatry department, Neurology department, Orthopaedic department, Urology department, and Blood Donation. The main area displays a table of appointments. The table has columns for Department, Id, Name, Date, Phone No, Email, Delete, and Receipt. There is one entry for the Cardiology Department, which is listed with the following details: Id - 63cf9e5166007a3234e5f844, Name - Peter, Date - Thu Jan 26 2023 05:30:00 GMT+0530 (India Standard Time), Phone No - 7263423643, Email - peter@mymail.com. The 'Delete' column contains a red trash icon, and the 'Receipt' column contains a green circular icon with a checkmark.

Department	Id	Name	Date	Phone No	Email	Delete	Receipt
Cardiology Department	63cf9e5166007a3234e5f844	Peter	Thu Jan 26 2023 05:30:00 GMT+0530 (India Standard Time)	7263423643	peter@mymail.com		

8) Patient Registration

 HOSPITAL

 Home  Account info  your appointments  Buy medicines

E - HOSPITAL online patient registration.

Name Of department : Cardiology department

Patient name

Patient age

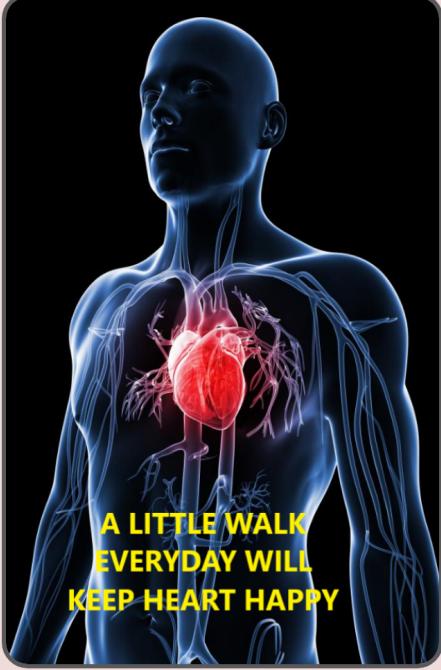
Gender
 male
 female
 Others

Contact number

Appointment Date

Email

Confirm Appointment and proceed to payment



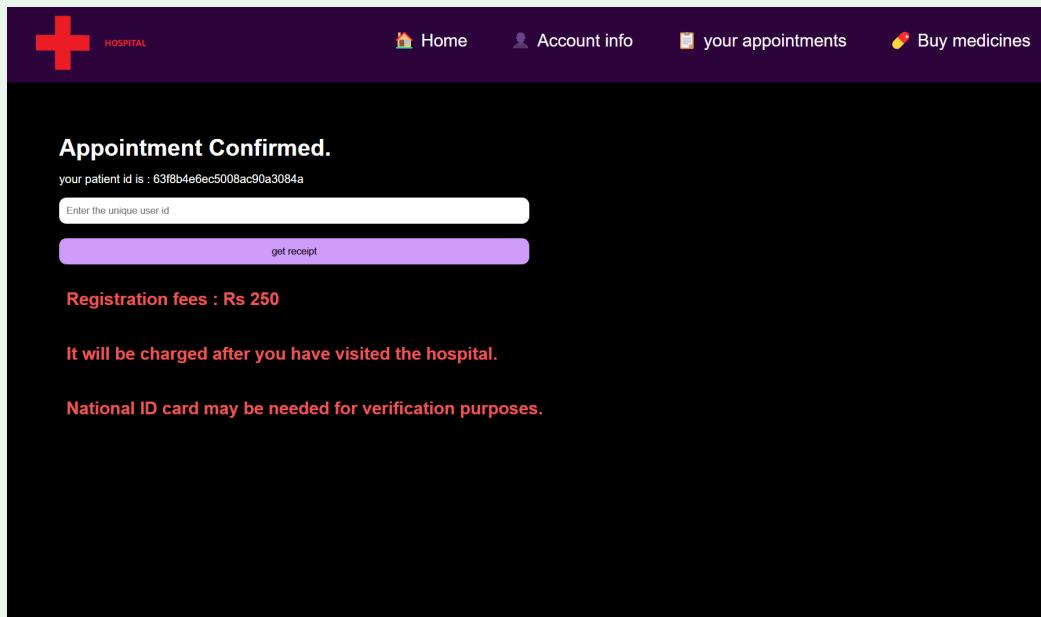
A LITTLE WALK
EVERYDAY WILL
KEEP HEART HAPPY

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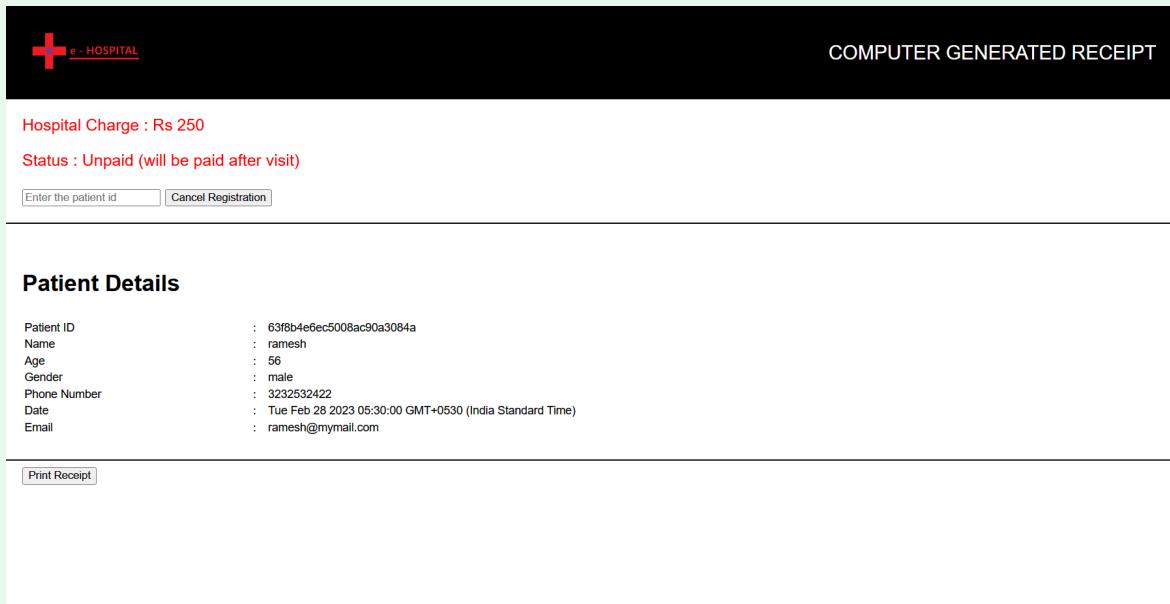
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Fully dynamic pages with a new image for each department.

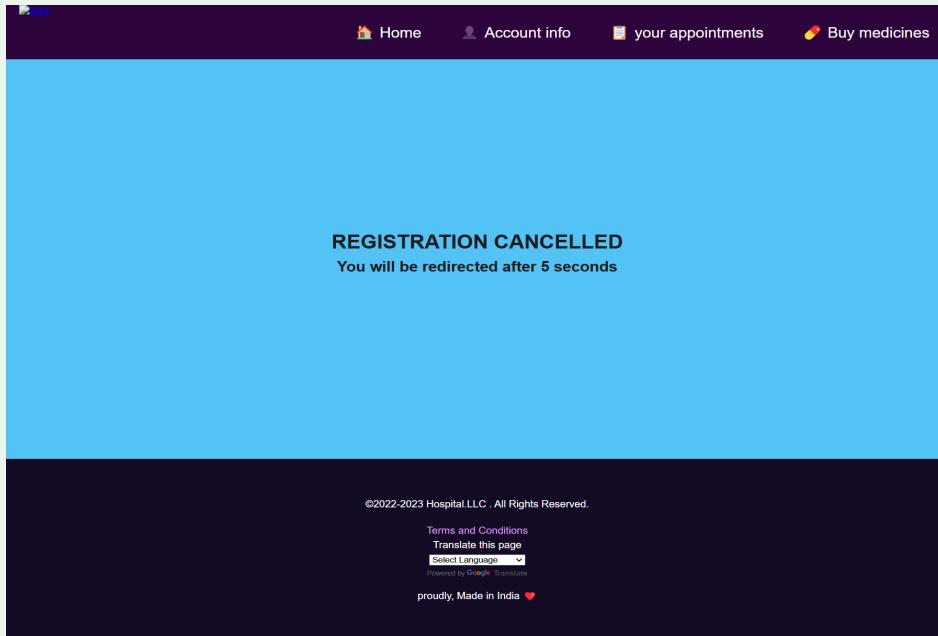
9) Registration Success Page



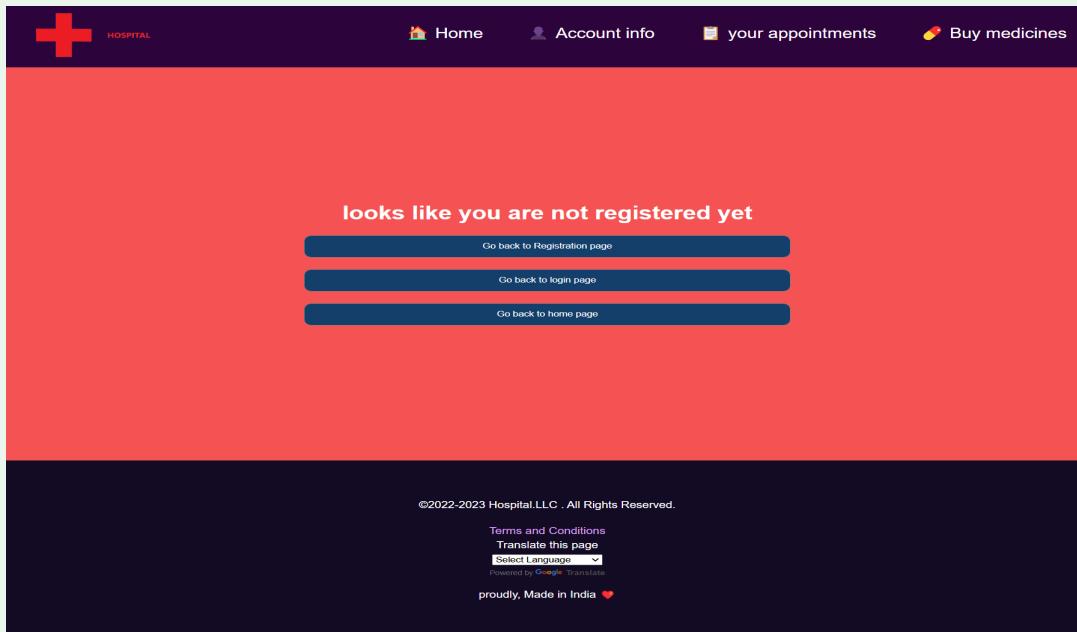
10) Receipt



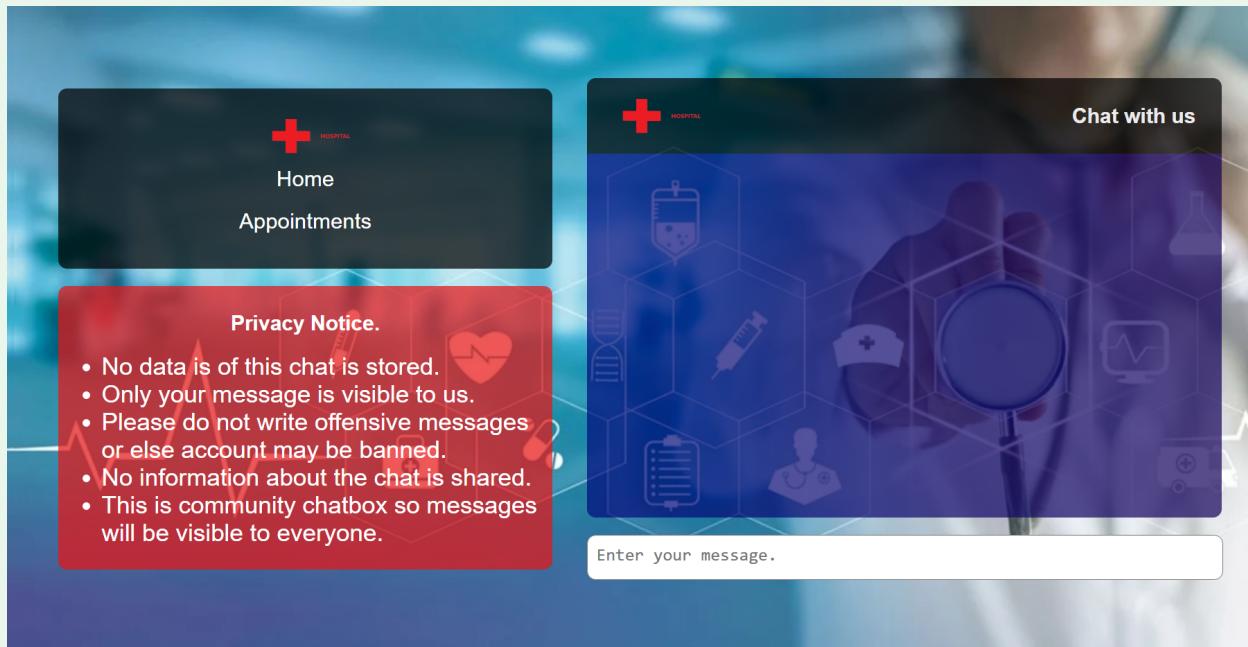
11) Cancel Registration Message



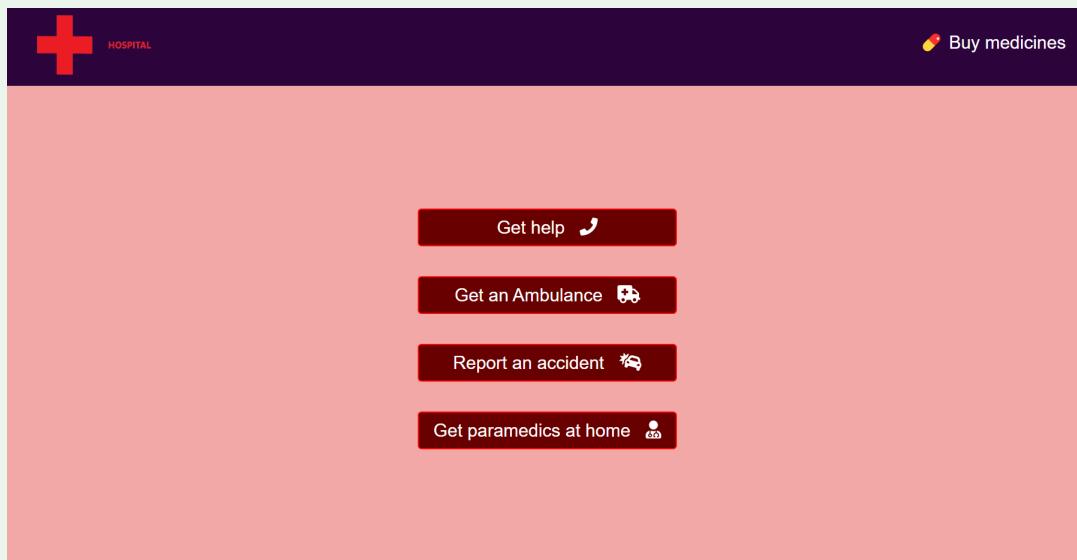
12) Error Page



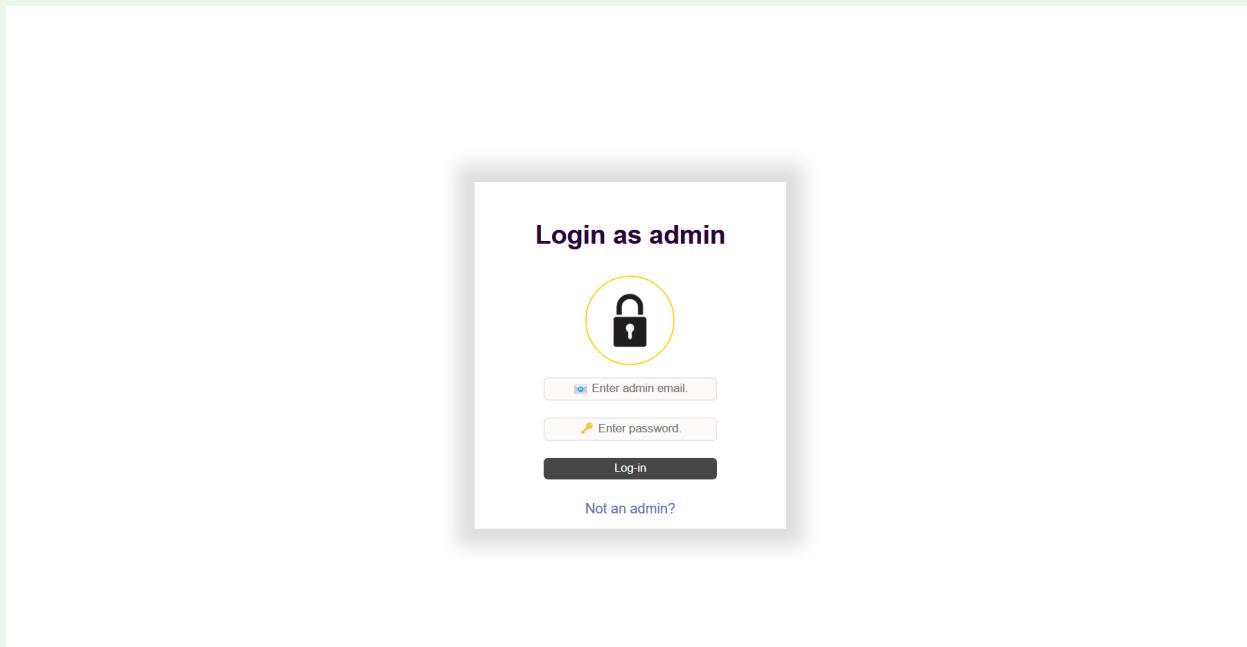
13) User Chat Box



14) Emergency Page



15) Admin Login Page



16) Admin Dashboard for users

A screenshot of the admin dashboard. The left sidebar lists various departments: Anesthesiology department, Cardiology department, ENT department, Gastroenterology department, General surgery, Gynaecology department, Pediatrics department, Psychiatry department, Neurology department, Orthopaedic department, Urology department, Blood Donation, and Chat-Box. The main area has a dark header with "Admin", "Logout", "Refresh", and buttons for "Enter the ID to confirm", "Delete user", and "Update user". Below the header are two search bars: "Search by phone number" and "Search by id". A table displays user information with columns: Id, Name, Gender, Phone No., and Email. The data in the table is as follows:

Id	Name	Gender	Phone No.	Email
63cf74bf63d8a7c0a7135e9	Soumyadeep Sinha	male	7654329129	deep@mymail.com
63cf0c3136400fb0024a5d	Nishant Dubey	male	7325423431	nishdubey2000@mymail.com
63d40e7c55b295e8eb856ad7	Chinmay Chaudhary	male	8464854563	chinmaync1999@gmail.com
63e26577f561a7379c4a91fd	Aditya Singh	male	9437652323	adityasingh1234@mymail.com

17) Admin Dashboard For Departments

The screenshot shows a dark-themed dashboard titled "Dashboard". On the left, there's a sidebar with a "Users" section containing links for various departments: Anesthesiology department, Cardiology department, ENT department, Gastroenterology department, General surgery, Gynaecology department, Pediatrics department, Psychiatry department, Neurology department, Orthopaedic department, Urology department, Blood Donation, and Chat-Box. The main area is titled "Admin" and contains a search bar labeled "Search by phone number". Below the search bar is a table with columns: Id, Booked By ID, Name, Gender, Date of appointment, Phone No., Email, Delete, and Receipt. Two rows of data are visible:

Id	Booked By ID	Name	Gender	Date of appointment	Phone No.	Email	Delete	Receipt
63cf9e51b6007a3234e5f844	63cf74bf63d8a7c0a7135e9	Peter	male	Thu Jan 26 2023 05:30:00 GMT+0530 (India Standard Time)	7263423643	peter@mymail.com		
63cd422713640b0fb0024a6e	63cd9d0c313640b0fb0024a5d	Neetu Dubey	female	Wed Jan 25 2023 05:30:00 GMT+0530 (India Standard Time)	7325423431	nishdubey2000@mymail.com		

18) Admin Chat Box

The screenshot shows a "Chat Box : Admin" interface. At the top, it says "Refreshing the page will delete chats)". On the left is a white input field labeled "Reply...". On the right is a dark grey chat window. At the top of the chat window are several buttons: a red cross logo with "HOSPITAL", "Nice to meet you", "Tell us about your problem", "tell us more", "Contact us on the helpline No.", and "Our HelpLine - 0755 8888 6532". To the right of these buttons is a "Reply" button. Below these buttons, the word "Anonymous" is displayed above a message from a user: "i have stomach ache". In the middle of the chat window, the word "Admin" is displayed above a message: "tell us more".

Future goals 🤝

- A chatbox for the users.(✓ completed)
- A medicine Store (web scraping based).
- Automatic Location detection in the emergency page.
- Dedicated Disease predictor.
- Bootstrap Navbar.
- Theme Changer.(For ColorBlind People)

Thank you for viewing....