MET'S INSTITUTE OF INFORMATION TECHNOLOGY(CDAC-ACTS)

BHUJBAL KNOWLEDGE CITY, NASHIK.

Documentation On

"ADVANCED HOMEOCARE"

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Submitted By:

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Centre Coordinator **Project Guide**

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1. INTRODUCTION

Introduction:

The **Advanced HomeoCare** project aims to revolutionize the management of homeopathy clinics by introducing a comprehensive web-based system tailored to meet the needs of both practitioners and patients. In a world increasingly reliant on virtual systems, there is a growing demand for streamlined communication and efficient management tools in the healthcare sector. This project seeks to address these needs by providing a robust platform that enhances the relationship between homeopathic practitioners and their patients while ensuring the efficient delivery of care and services.

Problem Statement:

In the field of homeopathy healthcare, the traditional business model between service providers and patients often relies on past relationships or verbal agreements, leading to several challenges such as uncertainty regarding service delivery, lack of transparency in pricing, and concerns about the quality of care provided

- Existing methods for scheduling appointments and managing treatments lack confirmation of delivery dates, leaving patients unsure about when they will receive care.
- Lack of a standardized system for appointment scheduling and treatment management results in delays and uncertainties in service delivery.
- Patients often have limited visibility into the rates charged by different homeopathy clinics, leading to potential exploitation where they end up paying higher rates.
- Absence of transparent pricing mechanisms makes it difficult for patients to compare service providers and make informed decisions about their healthcare options.
- Without a formalized system for assessing the quality of care provided by homeopathy clinics, patients may feel uncertain about the effectiveness and reliability of treatments received.
- Limited access to information about different service providers may result in patients sticking to familiar clinics, even if they are dissatisfied with the quality of service.

Aims and Objective:

The objective of the Advanced HomeoCare project is to address these challenges by developing a comprehensive web-based system that enhances transparency, efficiency, and trust in the delivery of homeopathy healthcare services. Specifically, the system aims to achieve the following:

Implement a robust appointment scheduling and treatment management system that provides patients with clear confirmation of delivery dates and ensures timely provision of care.

Establish mechanisms for assessing and monitoring the quality of care provided by homeopathy clinics, empowering patients to choose service providers based on verified performance metrics and patient reviews.

2. OVERALL DESCRIPTION

Proposed Methodology:

Proposed Methodology for Advanced HomeoCare:

The Advanced HomeoCare project aims to revolutionize the management of homeopathy clinics, providing a comprehensive solution for practitioners and patients. Inspired by the Vehicle Service Management System, the proposed methodology for Advanced HomeoCare outlines a streamlined process for managing patient care, appointments, and treatment delivery. Here's how the proposed methodology aligns with the functionalities of the Vehicle Service Management System:

1. **Target Audience:**
    - The system targets homeopathy clinics of all sizes, with a focus on those located in urban areas where the demand for healthcare services is high.
2. **System Functionality:**
    - **User Roles:** The system will have three primary user roles: User (patient), Homeopathy Practitioner, and Admin.
    - **Service Request:** Patients can submit service requests detailing their healthcare needs through the system's interface.
    - **Assignment of Practitioners:** The Admin assigns service requests to available practitioners based on expertise, availability, and proximity to the patient's location.
    - **Treatment Execution:** Assigned practitioners administer treatments and update the status of completion within the system.
    - **Delivery Notification:** Upon completion of the treatment, the system automatically notifies the patient, confirming the service delivery.
    - **Billing and Invoicing:** The Admin generates invoices for the services rendered, including applicable taxes, and sends them to the patient for payment.
3. **Workflow:**
    - **Service Request Submission:** Patients submit service requests specifying their healthcare requirements through the system's interface.
    - **Assignment and Scheduling:** The Admin reviews service requests and assigns them to available practitioners, considering factors such as expertise and proximity to the patient's location.
    - **Treatment Execution:** Assigned practitioners perform the prescribed treatments and update the status of completion within the system.
    - **Delivery Notification:** Upon completion of the treatment, the system automatically notifies the patient, confirming the service delivery.
    - **Billing and Payment:** The Admin generates invoices for the services rendered, including applicable taxes, and sends them to the patient for payment.
4. **Benefits:**

- **Ease of Access:** Patients can easily access homeopathy healthcare services through the user-friendly interface of the system.
- **Transparency:** The system ensures transparency in treatment delivery, with patients receiving notifications at each stage of the process.
- **Efficiency:** By automating administrative tasks such as appointment scheduling and invoicing, the system enhances the efficiency of clinic operations.
- **Improved Patient Experience:** The streamlined workflow and transparent communication channels enhance the overall patient experience, making it easier for patients to access and receive homeopathy healthcare services.

Design and Implementation Constraints:

Frontend Technologies: React.js, Axios, and CSS will be used for the frontend development of the Advanced HomeoCare application.

Backend Technologies: Spring Boot, MySQL is used

Communication Protocol: The application will primarily use the HTTP protocol for client-server communication.

Deployment Protocol: FTP will be utilized for uploading the web application to a live domain, enabling client access via HTTP protocol.

3. REQUIREMENTS SPECIFICATION.

External Interface Requirements for Advanced HomeoCare:

User Interfaces:

- Upon accessing the Advanced HomeoCare website, users will be directed to a login page where they are required to enter their username and password for authentication.
- Upon successful authentication, users will be redirected to their respective profiles, where they can access various features and functionalities of the system.
- The user interface will be simple, intuitive, and consistent, using terminology commonly understood by homeopathy practitioners and patients. This approach eliminates the need for extensive user training, even for infrequent users.

Hardware Interfaces:

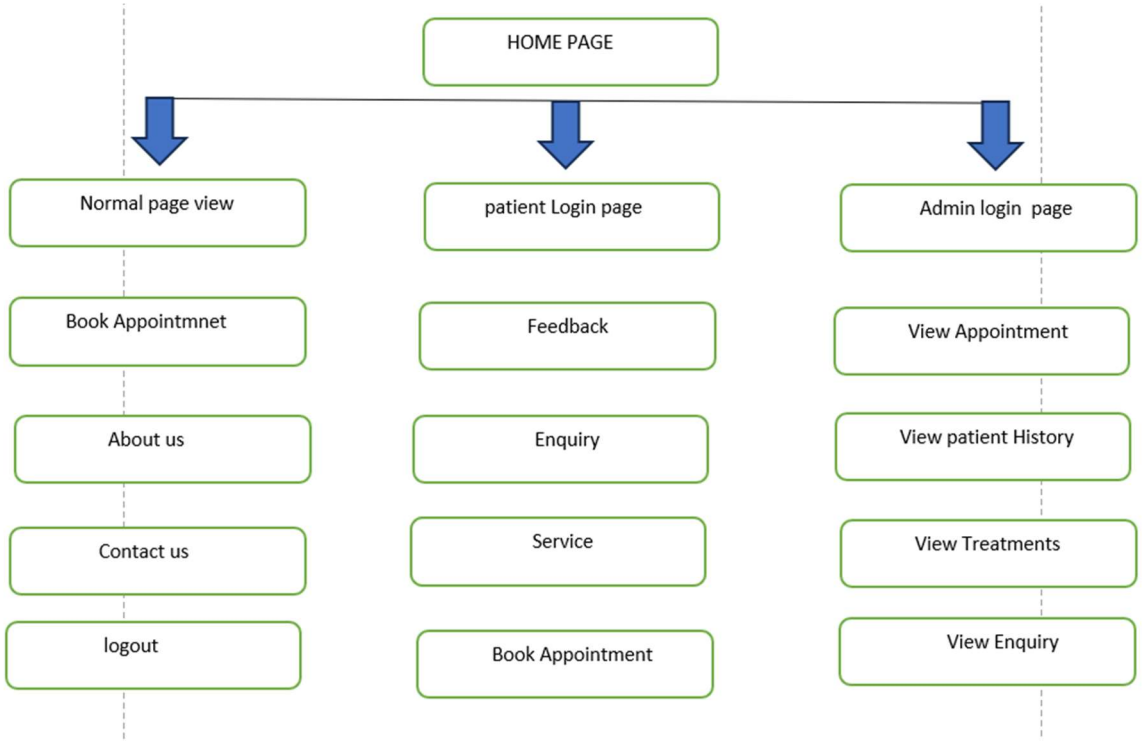
- No additional hardware interfaces are required for the Advanced HomeoCare system.
- The system will utilize standard hardware components and data communication resources commonly found in modern computing environments.
- This includes standard network connections, servers, and network management tools available at the hosting site.

Application Interfaces:

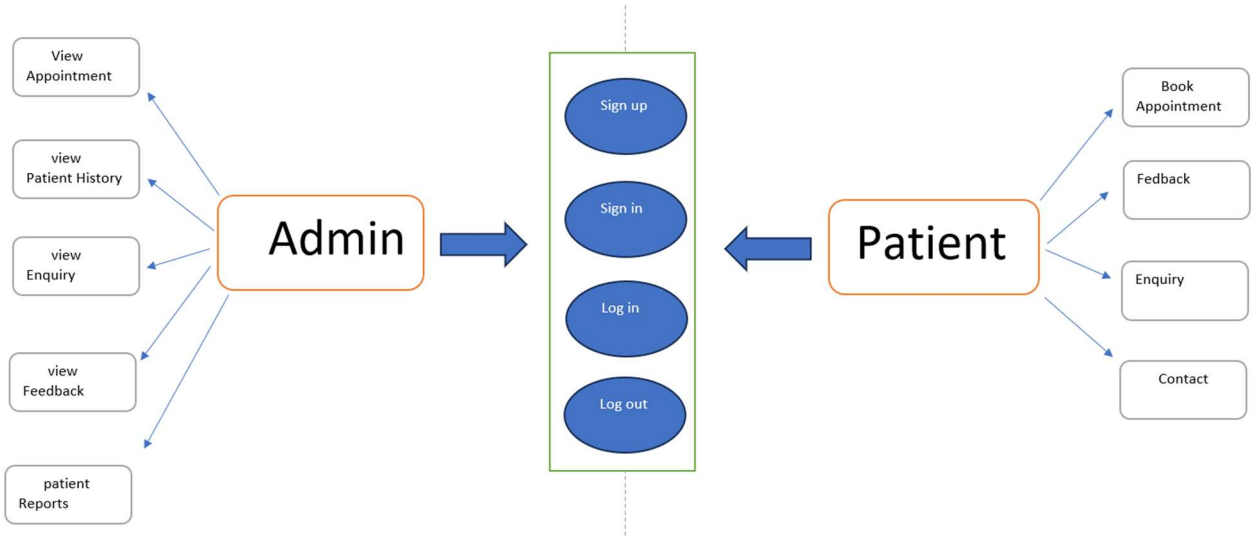
- **Web Browser Compatibility:** The system is a web-based application and is accessible through modern web browsers such as Mozilla Firefox, Internet Explorer, Opera, and Chrome. Users must have an active Internet connection to access the system.
- **Communication Protocols:** The system uses HTTP protocol for communication between the web browser and the web server, as well as TCP/IP network protocol for data transmission.
- **HTTP Service Function:** Advanced HomeoCare utilizes HTTP Service functions to facilitate communication between the client-side application and the server-side database. This allows the application to retrieve and process data stored in the database in response to user requests.

4. SYSTEM DIAGRAMS

Flow Chart

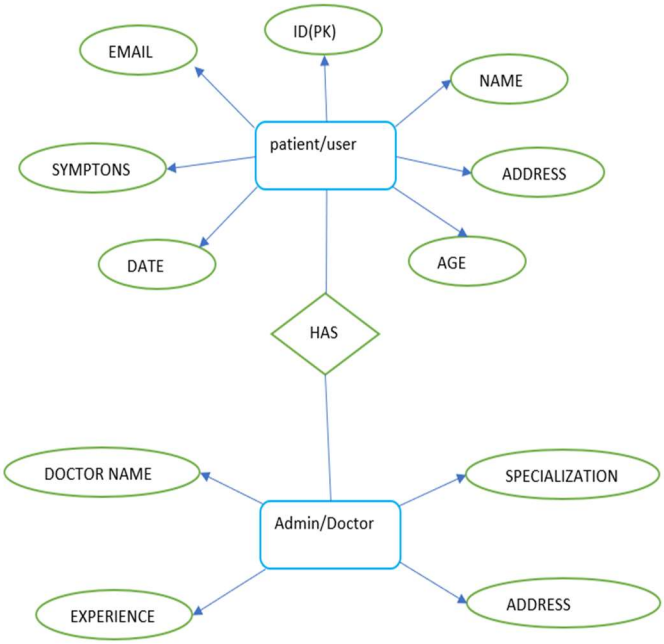


Project Architecture Diagram:



Give details of all services and functionalities for **all modules**.Note- Above is diagram is of only **User module**.

ER Diagram


EMAIL
ID(PK)
NAME
patient/user
SYMPTONS
ADDRESS
DATE
AGE
HAS
DOCTOR NAME
SPECIALIZATION
Admin/Doctor
EXPERIENCE
ADDRESS

5. TABLE STRUCTURE

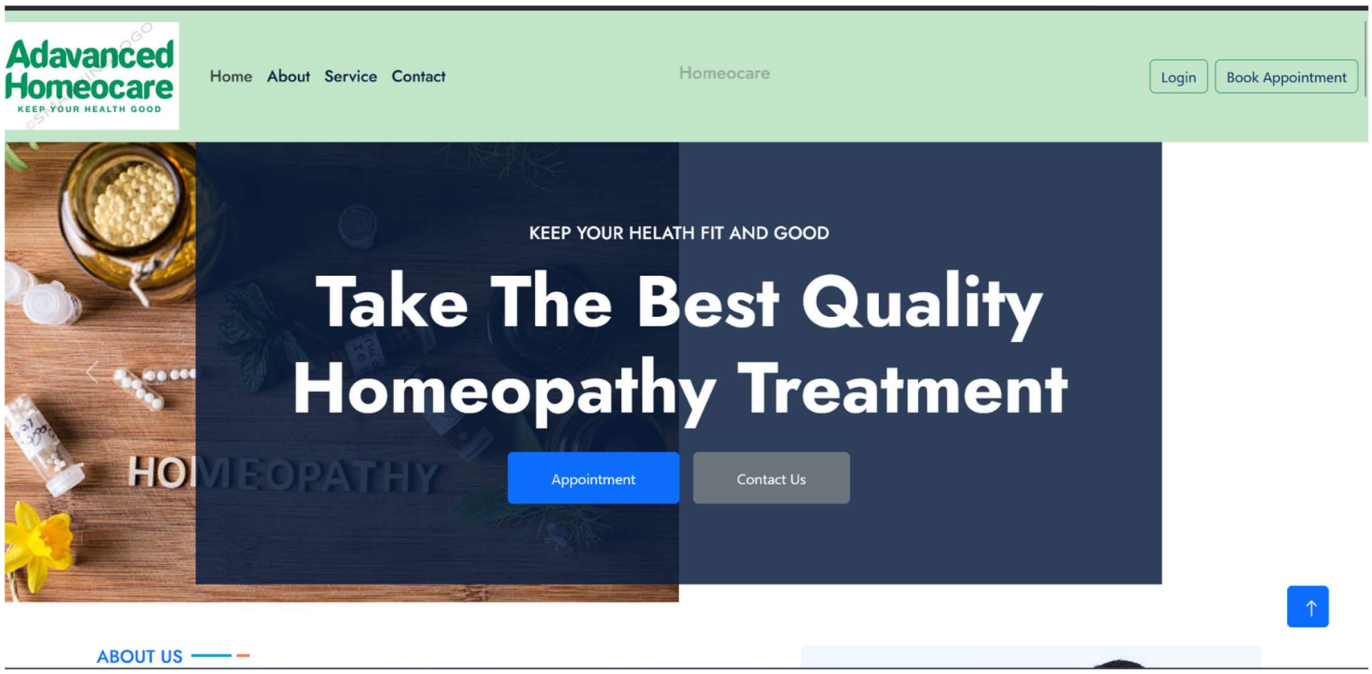
User Table:

user_id	date_of_birth	email	first_name	last_name	password	phone_no	user_role
1	2000-04-09	rohitarote099@gmail.com	Rohit	Arote	12345	8600869649	admin
2	1997-07-01	yogesh@gmail.com	yogesh	kanhegawaankaar	123	960451258	user
3	2024-02-06	manthan@gmail.com	manthan	birajdar	123	8329767410	user
4	2024-02-06	XYZ@gmail.com	Xyz	ABC	12345	1234567890	user
5	2024-02-06	suraj@gmail.com	suraj	patil	123	8055606505	user
6	2024-02-06	piyush@gmail.com	piyush	kumar	123	9898989898	user

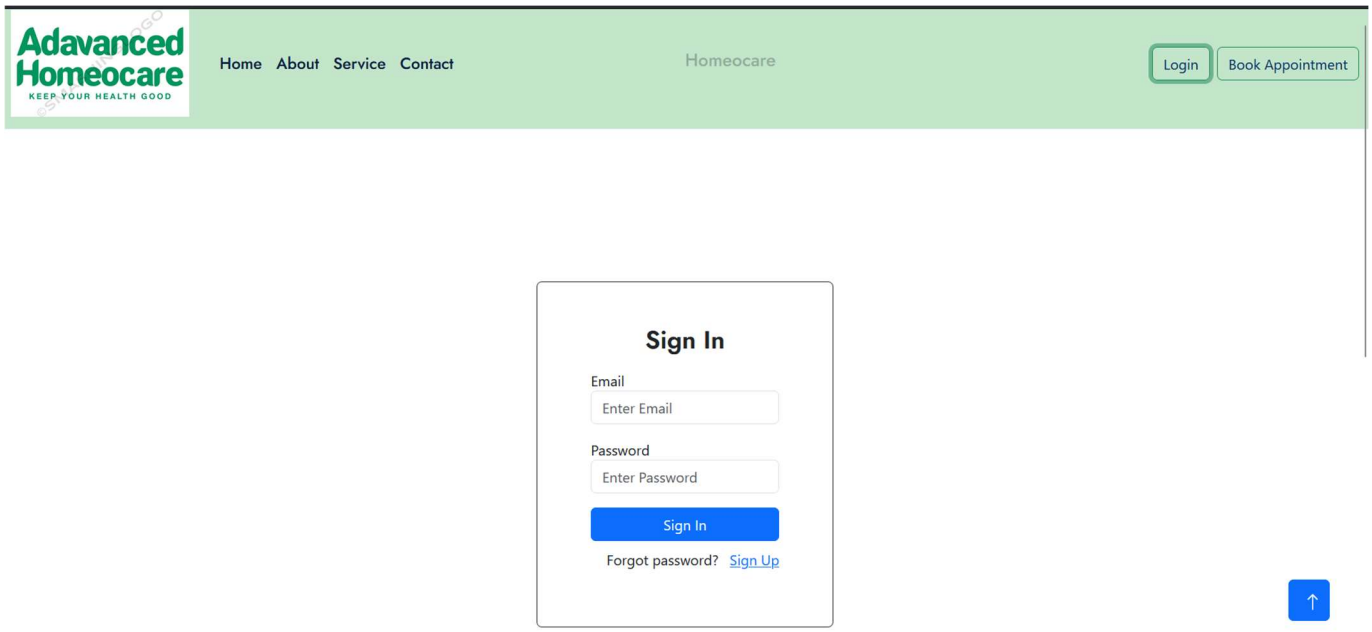
Provide All Table Details

7. SCREENSHOTS

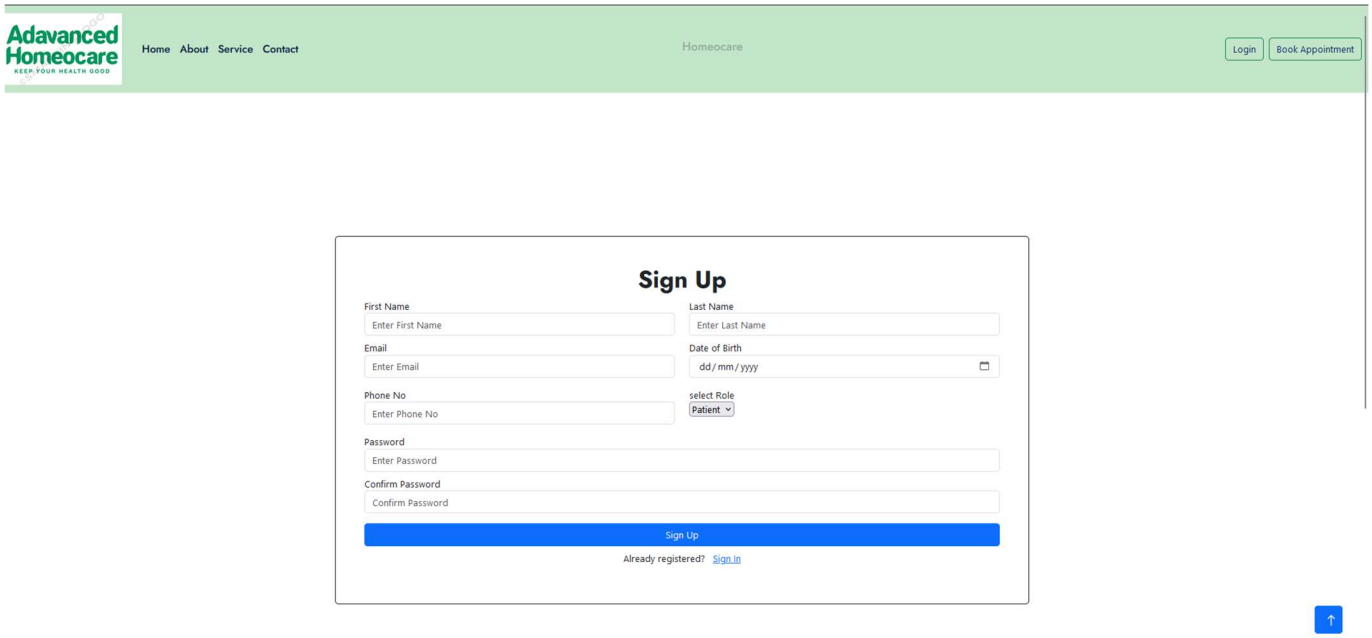
1. Home page-



2. Login page-


Adavanced Homeocare
KEEP YOUR HEALTH GOOD
Home
About
Service
Contact
Homeocare
Login
Book Appointment
Sign In
Email
Enter Email
Password
Enter Password
Sign In
Forgot password?
Sign Up

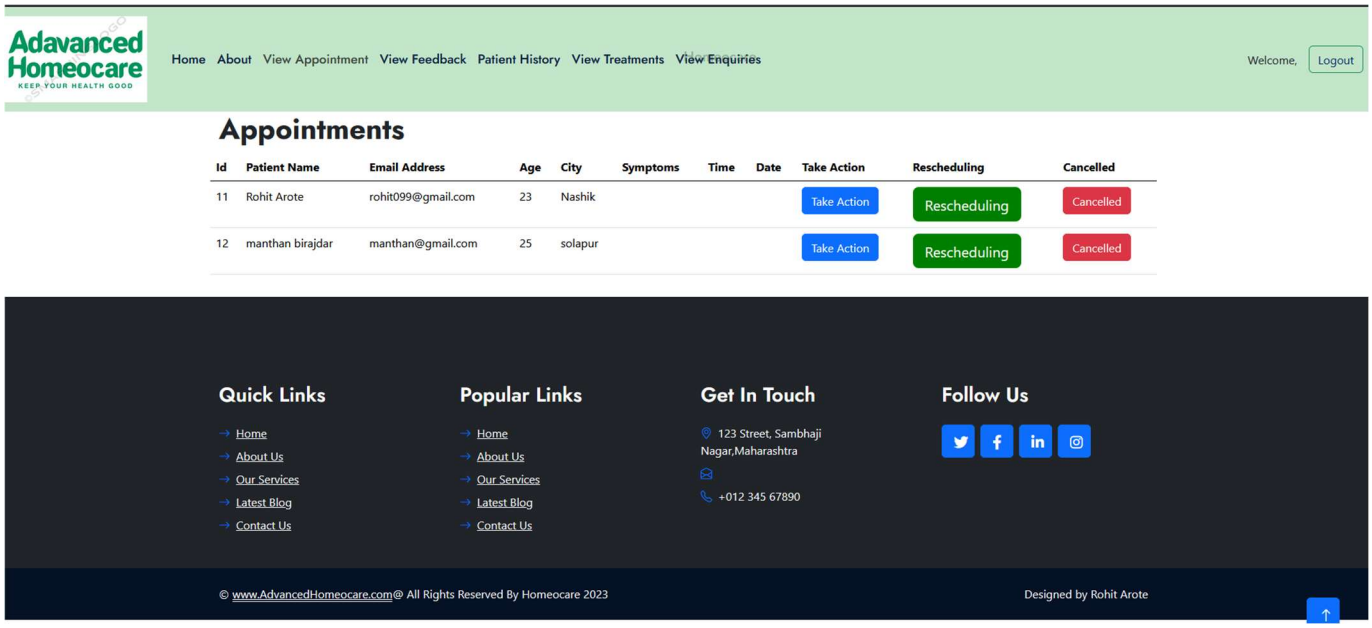
3. User Registration page-



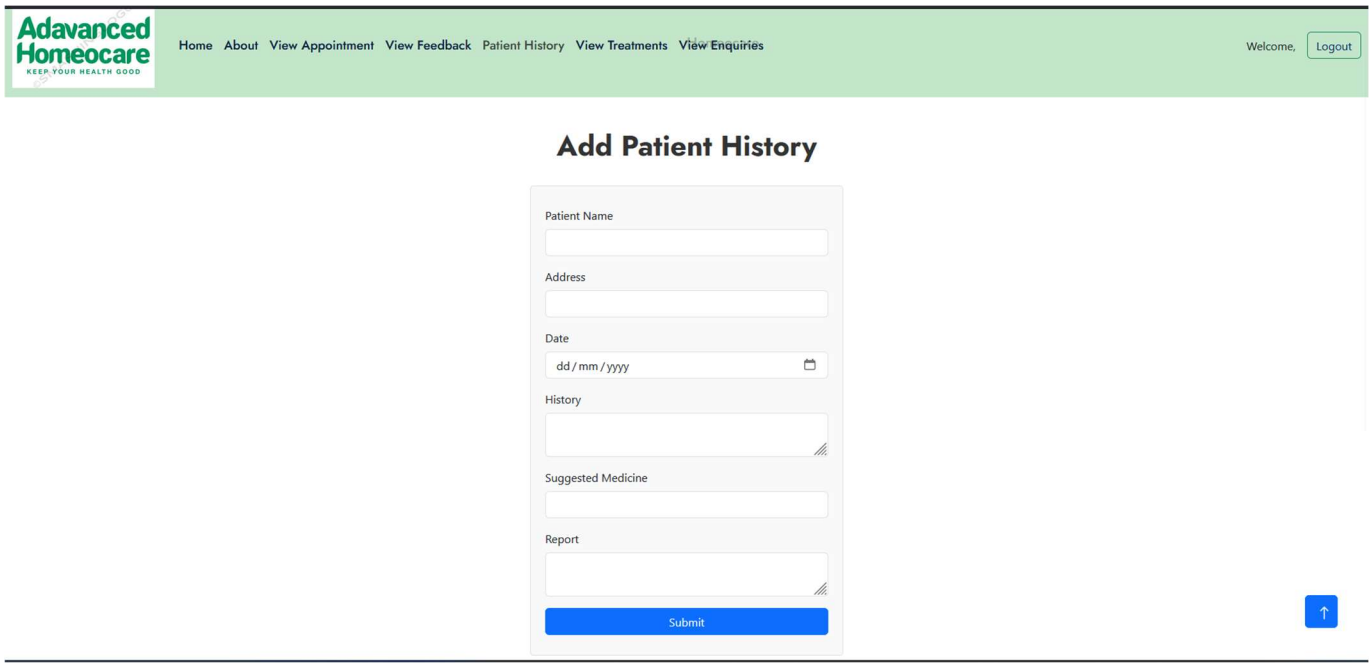
4. About page-


Adavanced Homeocare
KEEP YOUR HEALTH GOOD
Home
About
Service
Contact
Feedback
Enquiry
Homeocare
Welcome,
Logout
Book Appointment
Dr. Dipti Joshi Homoeopath in Aurangabad
Dr. Dipti Joshi
Education: BHMS
Specialization: Homoeopath
Experience: 17 Years
Location: Advance Homeopathic Clinic, Kranti Chowk, Aurangabad
Timings: Mon - Sun, 06:00 PM - 09:00 PM
Consultation Fee: ₹500
Medical Registrations: Maharashtra Council of Homoeopathy, 38844
Trair
MD - Materia Medica and Pharmacology, Foster Development Homeopathic Medical College

5. List of all Appointment



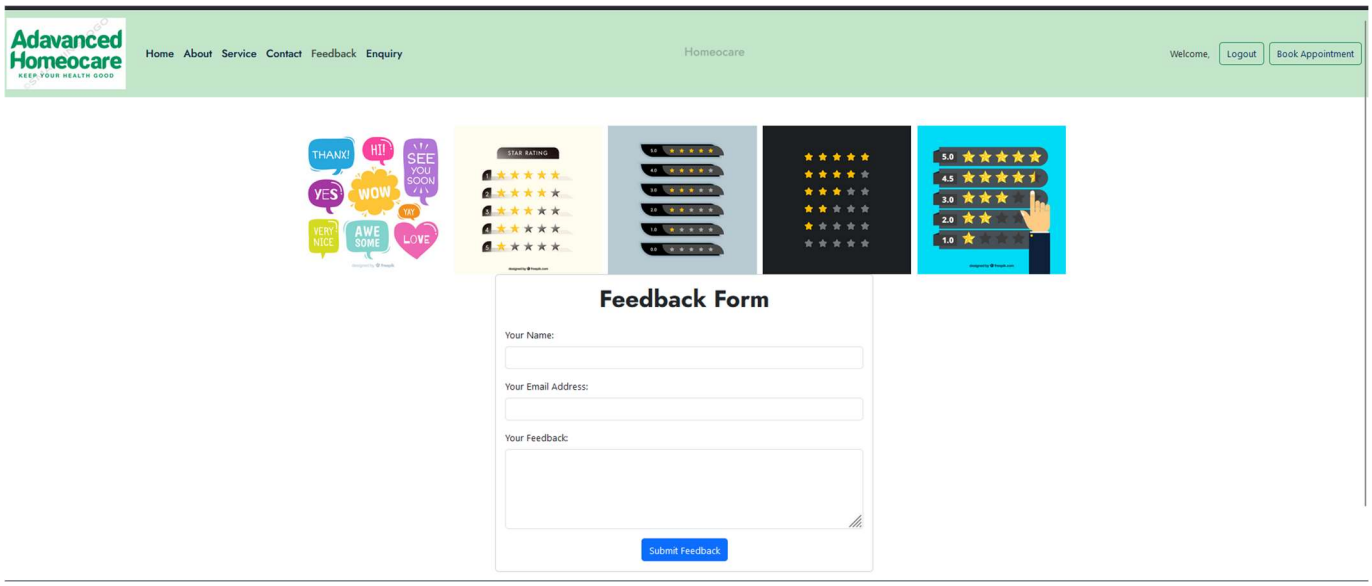
6. Patient History form



7. List of all Patient Reports

8. Enquiry Request

9. Feedback form



6. CONCLUSION

This project aid in online business of Car service provider and Customer. This system brings ease in the communication and business of B2B field. It provides the complete functionality of placing the order from the retailer and acknowledgement from the same and getting the orders accepted from the wholesaler. This system is going to provide ease of comparison with the price of the same product and also the location with the different car service providers.

Future Scope:

This project can be enhanced further by adding payment gateway to reduce the maintenance of cash for the order amount at retailers end and also can be used to implement B2C in the same to have efficient loop of business. The software is flexible enough to be modified and implemented as per future requirements. We have tried our best to present this free and user– friendly website.

6.REFERENCES

References:

- React – A JavaScript library for building user interfaces (reactjs.org)

Bootstrap · The most popular HTML, CSS, and JS library in the world.

(getbootstrap.com)

Recharts

React Tutorial (w3schools.com)

Learn Spring Boot | Baeldung

Spring Data JPA - Reference Documentation