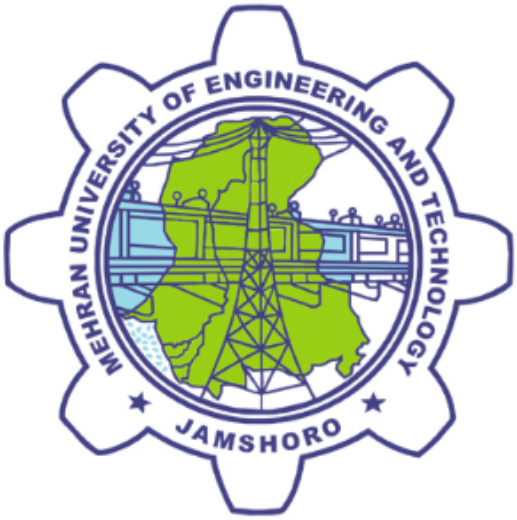


WEB ENGINEERING(WE) Project GUIDE DOCUMENTATION

Submitted by

Muskan 19SW54

Submitted to

Respected Sir Naveen Kumar

Submission Date 04-04-2023

INTRODUCTION

Mualij is a web platform set to revolutionize the way patients schedule and manage their medical appointments, making it easier and more convenient for them to access the care they need, when they need it. Through its user-friendly interface and cutting-edge technology, Mualij is poised to become the go-to solution for patients seeking reliable and efficient medical appointment scheduling services.

PROJECT INSTALLATION GUIDE

To begin, it is necessary to install **Visual Studio Code,** which is a widely used integrated development environment (IDE) that supports multiple programming languages and platforms.

Next, you will need to install the **JavaScript** extension for Visual Studio Code, which provides support for its associated frameworks and libraries. In addition, you will need to install ReactJS, which is a popular and powerful JavaScript library for building user interfaces.

To install **ReactJS**, you will also need to download and install **Node.js**, which is a cross-platform JavaScript runtime environment that enables the execution of JavaScript code outside of a web browser.

Finally, to enable **database connectivity for MUALIJ,** you will need to install MySQL Workbench, which is a powerful and intuitive tool for managing and querying MySQL databases.

Overall, the installation of MUALIJ involves a combination of software packages and tools, all of which are essential for the proper functioning of the application.

By following the steps outlined above, you will be able to set up MUALIJ on your device and start using it to streamline your medical appointment booking process.

PROJECT USAGE GUIDE

To use MUALIJ, install Visual Studio Code, place necessary folders in the correct hierarchy, enable ReactJS and Node.js, and initialize packages with the command "npm start." Create three tables - Users, Doctor, and Appointment - designed to meet the data requirements of each form with appropriate constraints and data types. These tables should be designed to accommodate the specific data requirements of each form, with appropriate data types and constraints applied as necessary.

Users can sign up, search for doctors, view availability, book appointments, update information, view appointment history, and cancel appointments. MUALIJ provides a user-friendly interface and efficient performance. By following these steps, you can start using MUALIJ and manage your medical appointments in an easy and time-efficient way.

TECHNOLOGIES

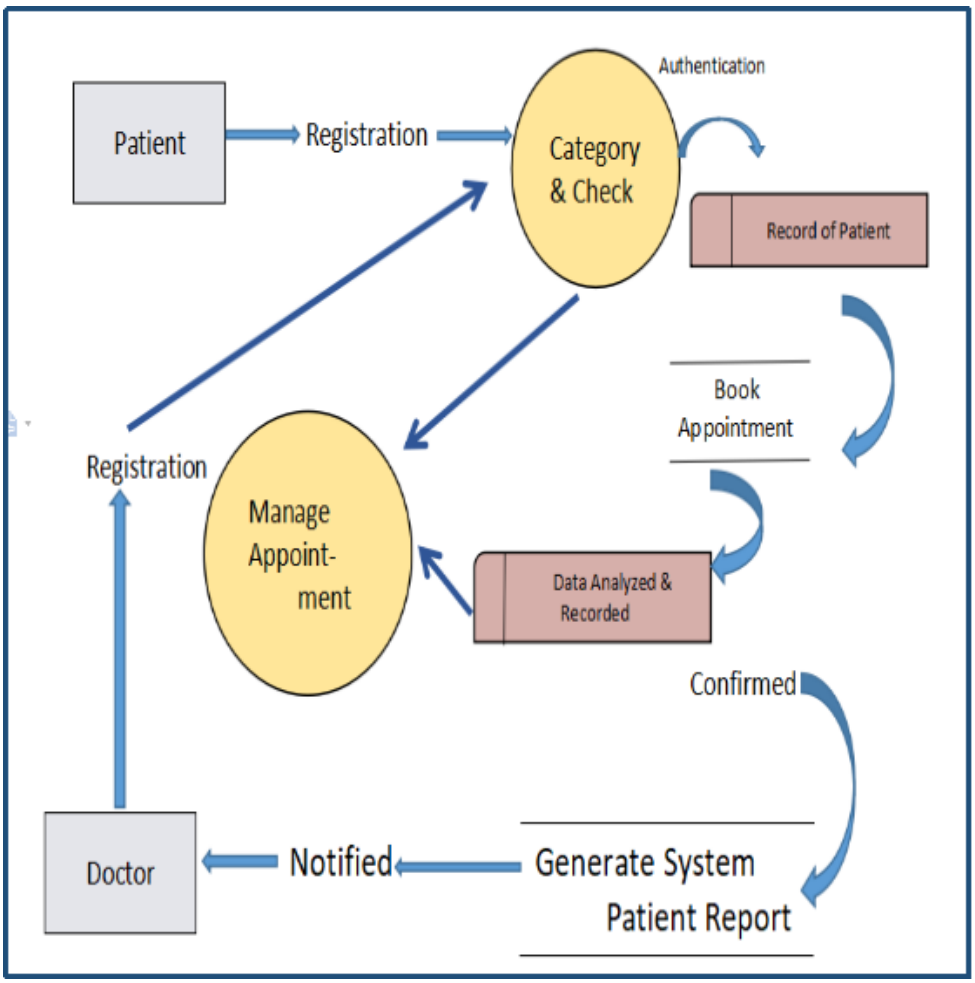
CHALLENGES FACED

Challenges in web projects regarding database connectivity and validations include connectivity issues, data validation errors, framework concerns, scalability, and backup planning. Overcoming these challenges required using a robust database management system MySQL, implementing proper data validation techniques, ensuring strong database security, and regular testing and monitoring.

METHODOLOGIES

Here is the DFD Diagram that shows the flow of our Application

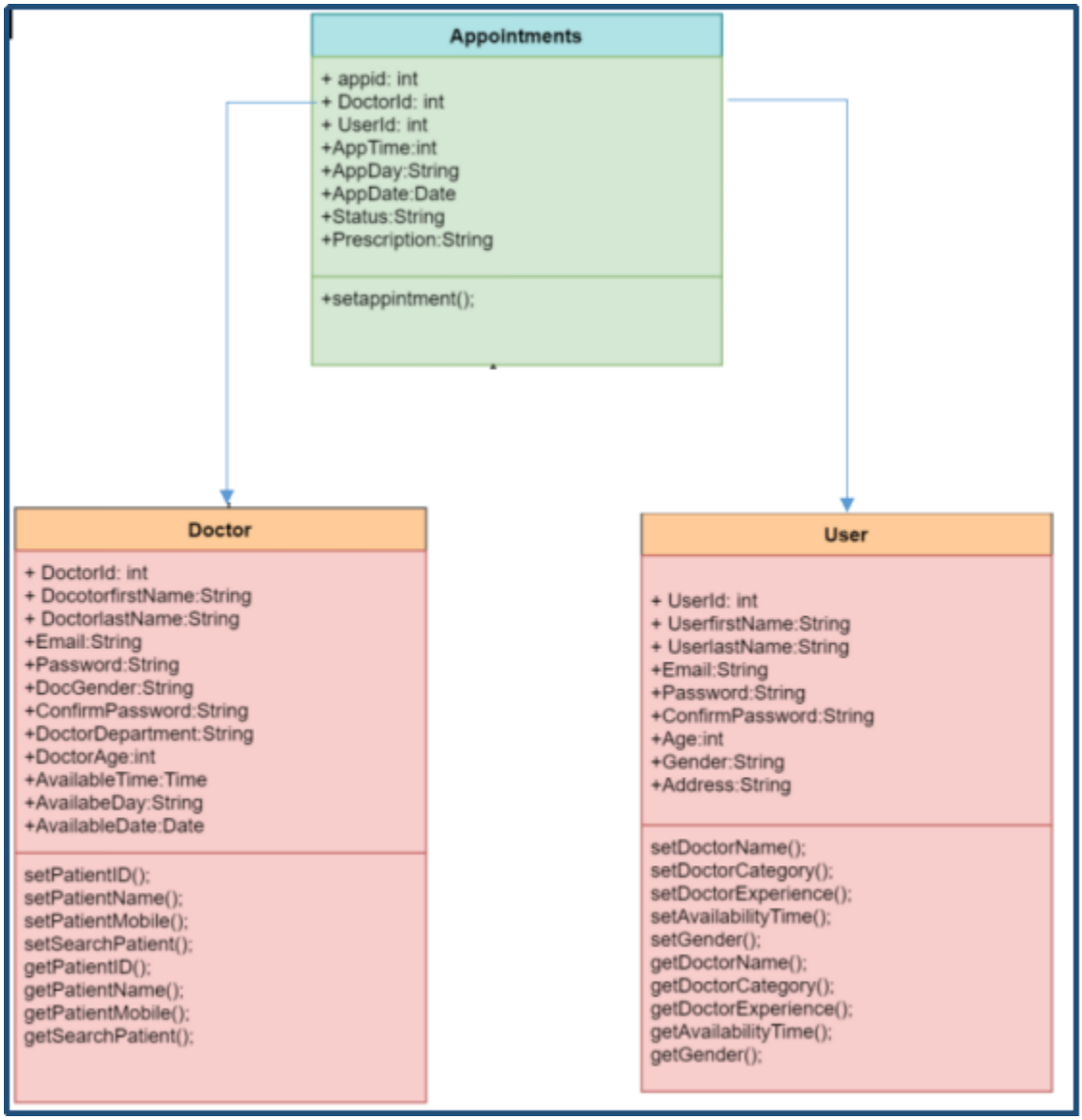
1. Data Flow Diagram For Mualij



Class Diagram that shows the implementation of the Application. Mainly Describe the Objects, Classes, and the relationship among them i.e Attributes, Methods, Properties.

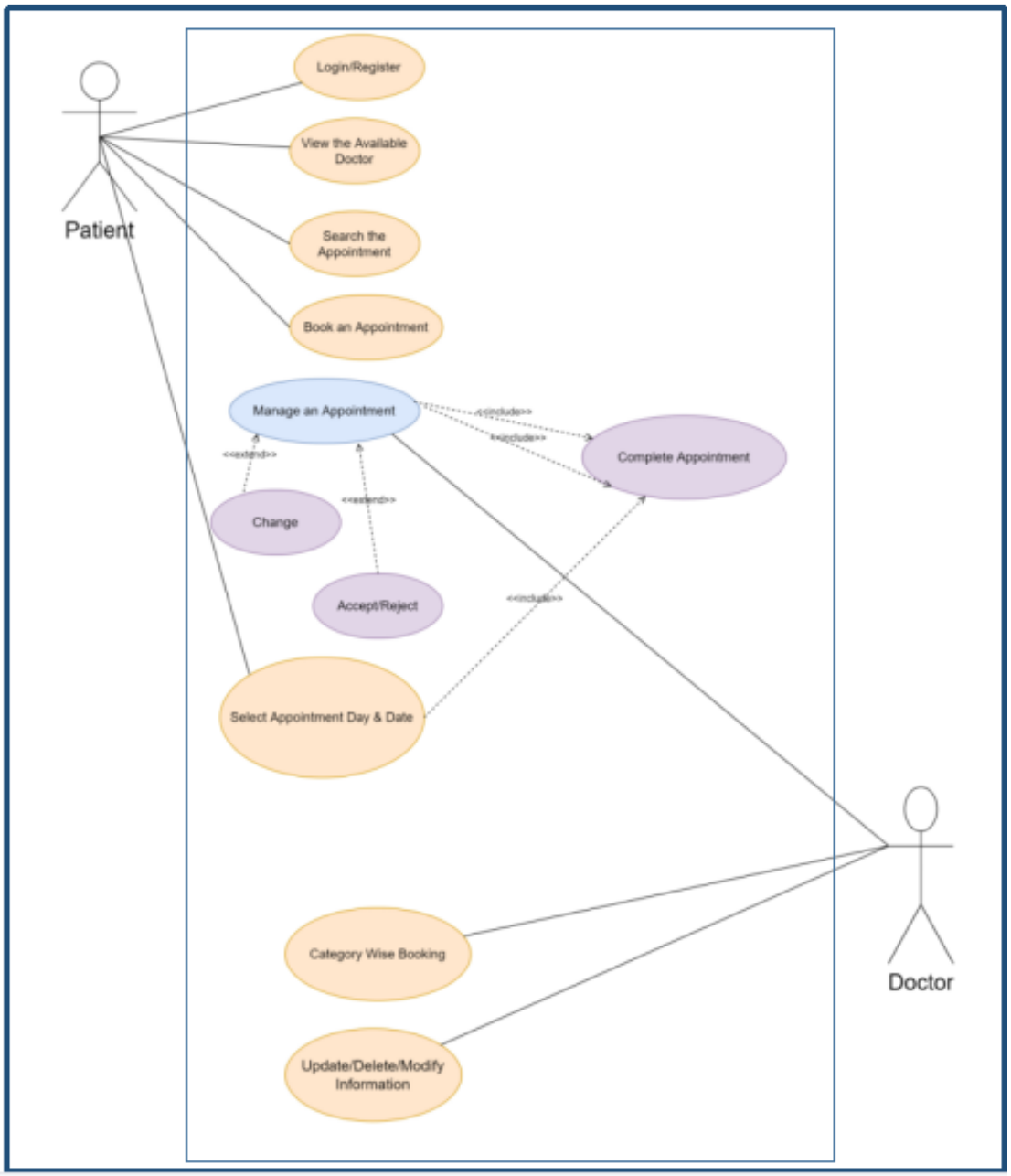
2. Class Diagram For Mualij

Here is the class Diagram that shows the Behaviour of the Application. Mainly Describe the Actors, use cases (Activities), and the relationship among them.



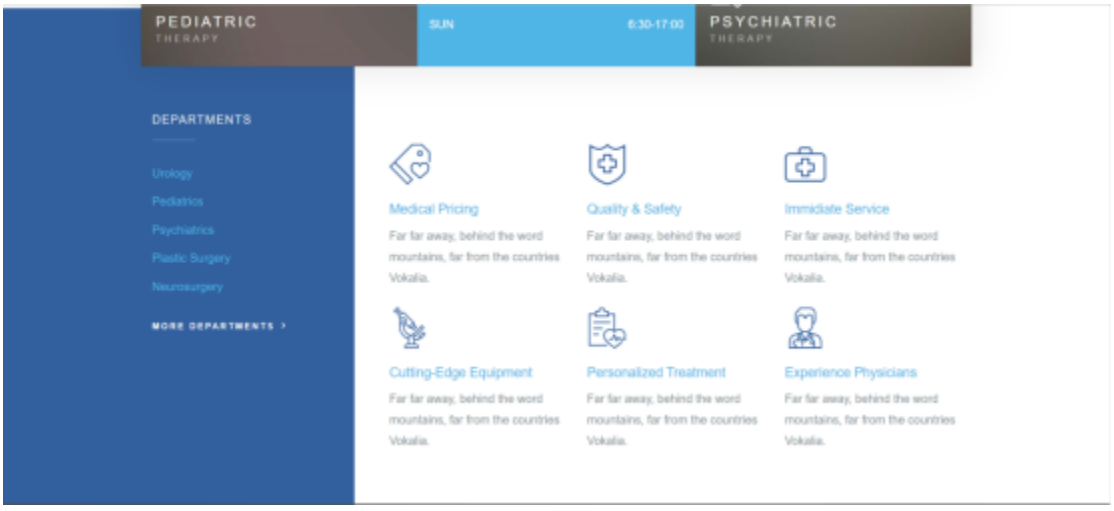
Here is the Usecase Diagram that shows the Behaviour of the Application. Mainly Describe the Actors, use cases (Activities), and the relationship among them.

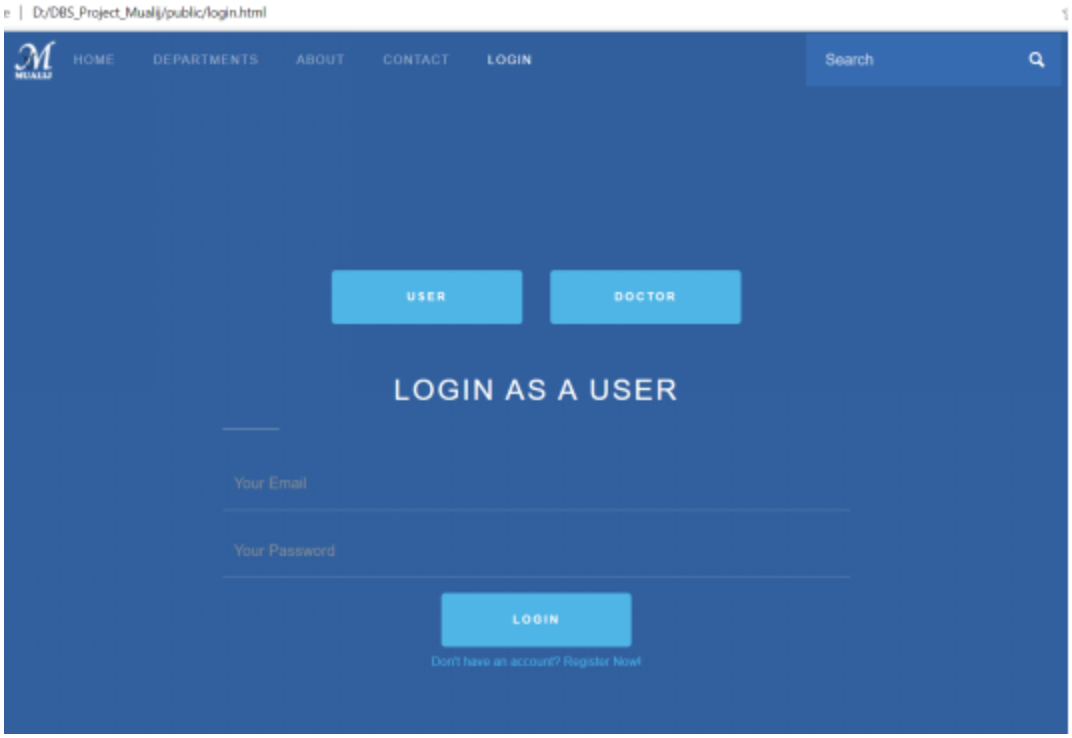
3. Use a Case Diagram For Mualij

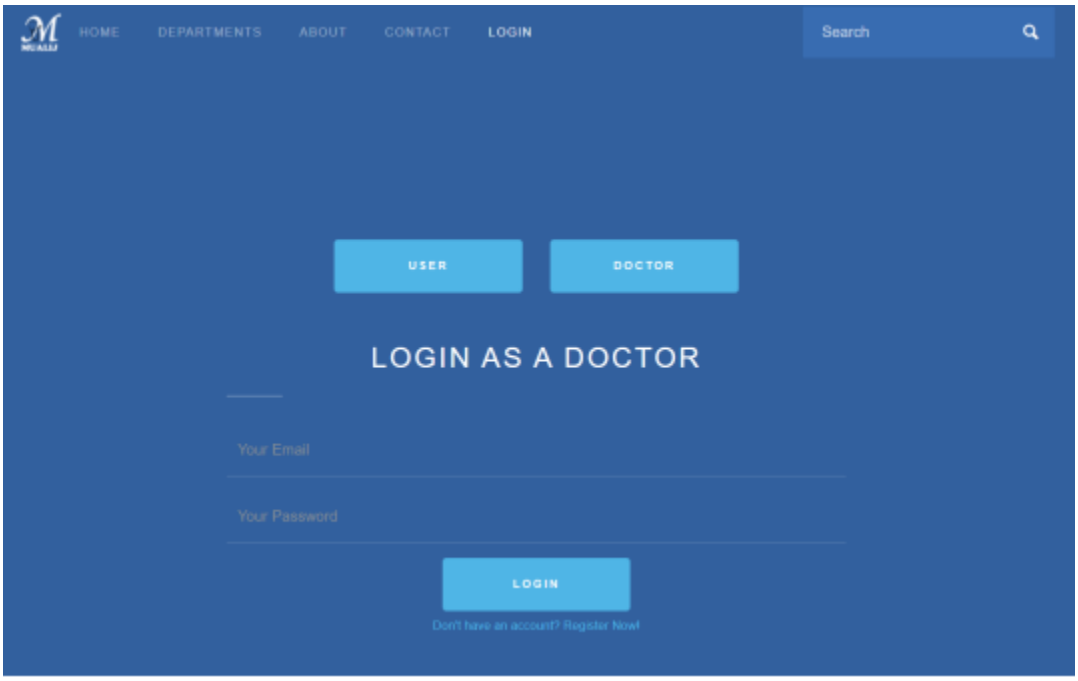


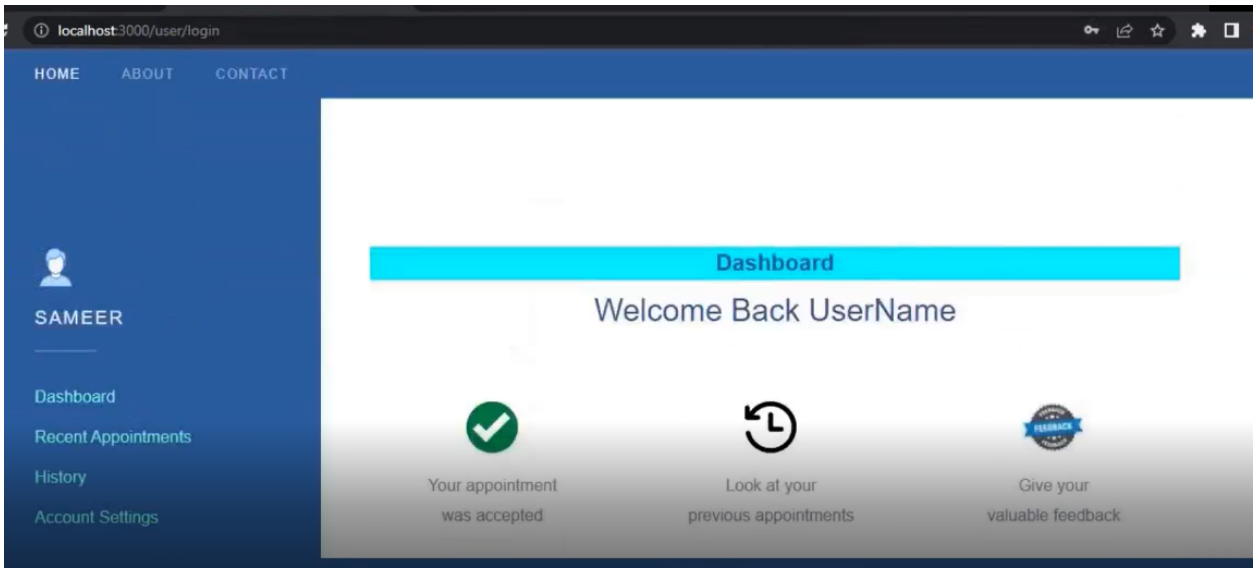
INTERFACE

HOME
DEPARTMENTS
ABOUT
CONTACT
LOGIN
Search
MUALIJ

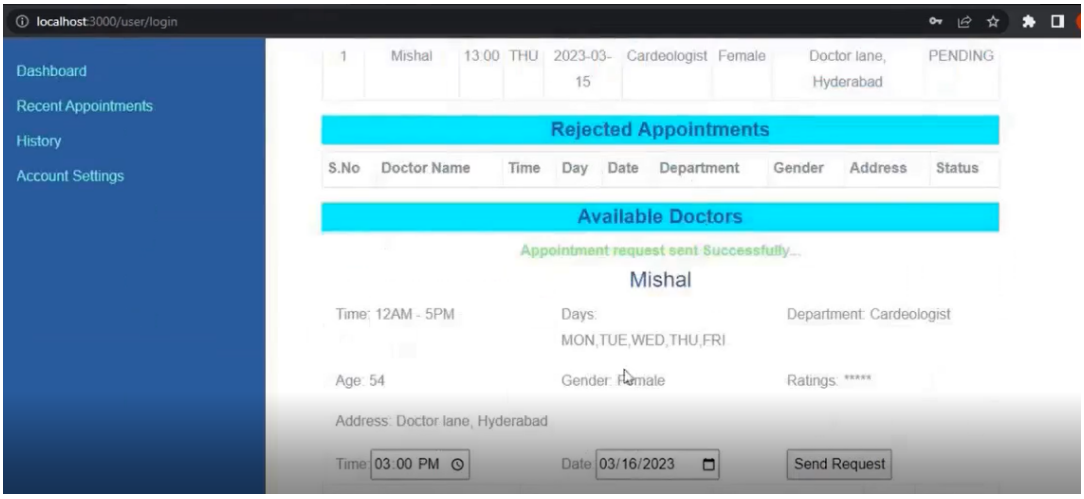

PEDIATRIC
THERAPY
SUN
6:30-17:00
PSYCHIATRIC
THERAPY
DEPARTMENTS
Urology
Pediatrics
Psychiatrics
Plastic Surgery
Neurosurgery
MORE DEPARTMENTS
Medical Pricing
Quality & Safety
Immidate Service
Cutting-Edge Equipment
Personalized Treatment
Experience Physicians


D:/DBS_Project_Mualij/public/login.html
HOME
DEPARTMENTS
ABOUT
CONTACT
LOGIN
Search
USER
DOCTOR
LOGIN AS A USER
Your Email
Your Password
LOGIN
Don't have an account? Register Now!

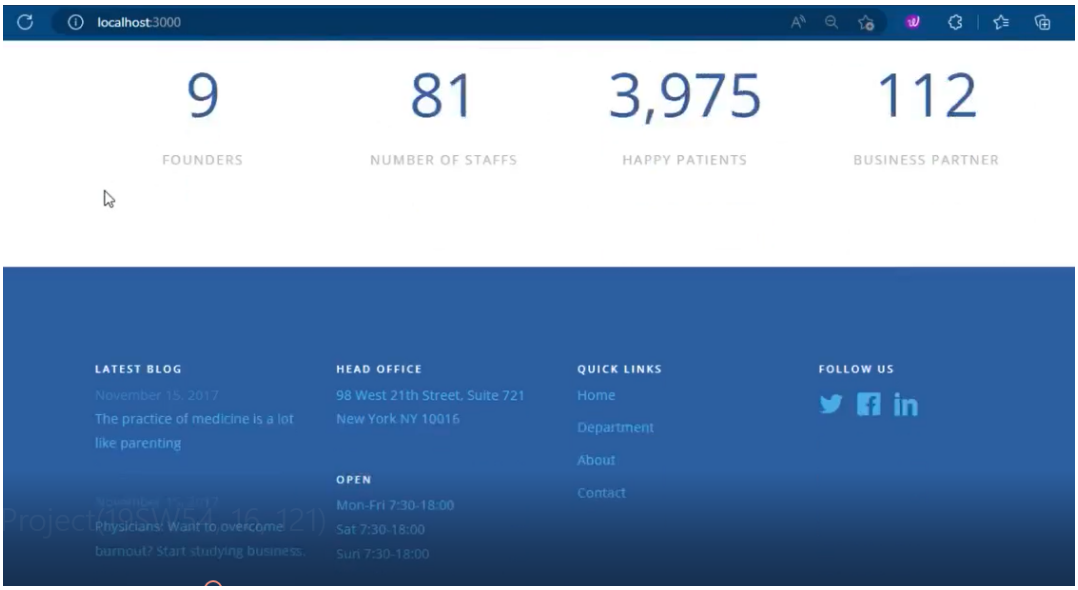

HOME
DEPARTMENTS
ABOUT
CONTACT
LOGIN
Search
USER
DOCTOR
LOGIN AS A DOCTOR
Your Email
Your Password
LOGIN
Don't have an account? Register Now!


localhost:3000/user/login
HOME
ABOUT
CONTACT
SAMEER
Dashboard
Recent Appointments
History
Account Settings
Dashboard
Welcome Back UserName
Your appointment was accepted
Look at your previous appointments
Give your valuable feedback

localhost:3000/user/login
SAMEER
Dashboard
Recent Appointments
History
Account Settings
Recent Appointments
S.No Doctor Name Time Day Date Department Gender Address Status
Rejected Appointments
S.No Doctor Name Time Day Date Department Gender Address Status
Available Doctors
S.No Doctor Name Time Department Age Gender
1 Ahsan 10AM - 6PM Child Specialist 32 Male
2 Saleh 8AM - 2PM Cardeologist 48 Male
3 Ghazal 3PM - 10PM Gaenocologist 45 Female
4 Huzaif 12:30AM - 10:30PM Child Specialist 42 Male


localhost:3000/user/login
Dashboard
Recent Appointments
History
Account Settings
1 Mishal 13:00 THU 2023-03-15 Cardeologist Female Doctor lane, Hyderabad PENDING
Rejected Appointments
S.No Doctor Name Time Day Date Department Gender Address Status
Available Doctors
Appointment request sent Successfully...
Mishal
Time: 12AM - 5PM
Days: MON,TUE,WED,THU,FRI
Department: Cardeologist
Age: 54
Gender: Female
Ratings: *****
Address: Doctor lane, Hyderabad
Time 03:00 PM
Date 03/16/2023
Send Request

MISHAL
CARDEOLOGIST
Recent Appointments
History
Account Settings
Recent Appointments
Accepted Appointment Requests
S.No User Name Time Day Date Gender Address Appointment Action
New Appointment Requests
S.No User Name Time Day Date Gender Address Appointment Action
1 Sameer 1PM THU 2023-03-15 Male Hyderabad Accept Reject
2 Sameer 3PM THU 2023-03-15 Male Hyderabad Accept Reject


localhost:3000
9
FOUNDERS
81
NUMBER OF STAFFS
3,975
HAPPY PATIENTS
112
BUSINESS PARTNER
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