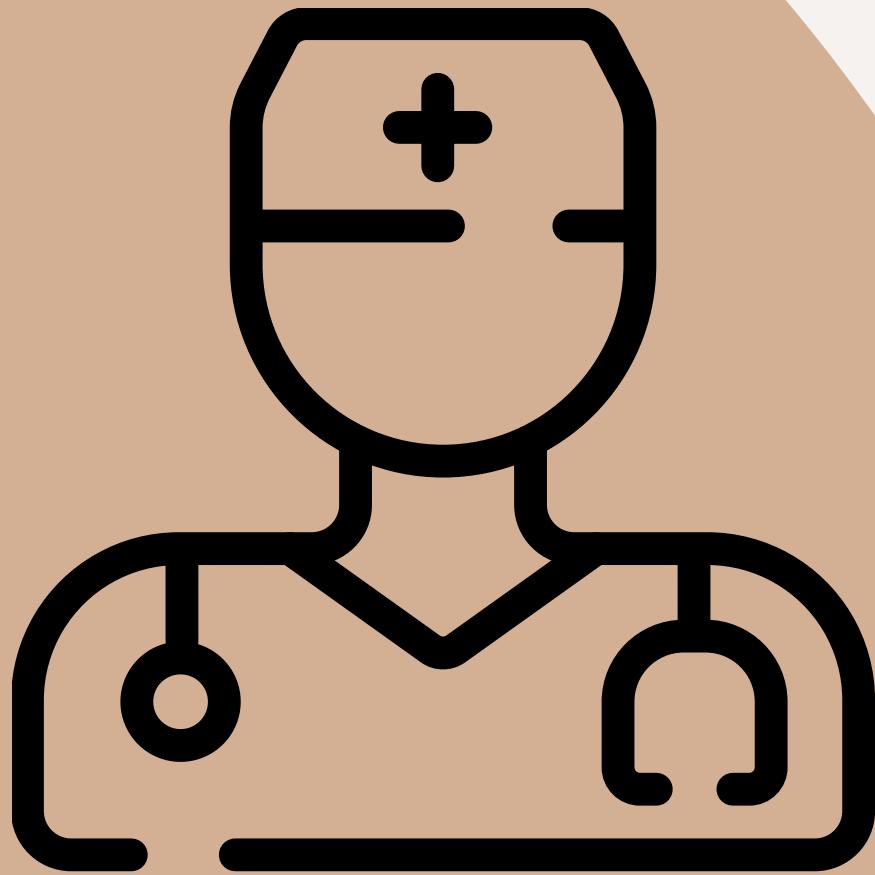


MedBud

Online Medical Consultation System



Instructors:
Prof Abir Das
Prof Sourangshu Bhattacharya

Guided by:
Md. Ashik Khan

Group No.- 18
Bratin Mondal-21CS10016
Swarnabh Mandal-21CS10068
Somya Kumar-21CS30050

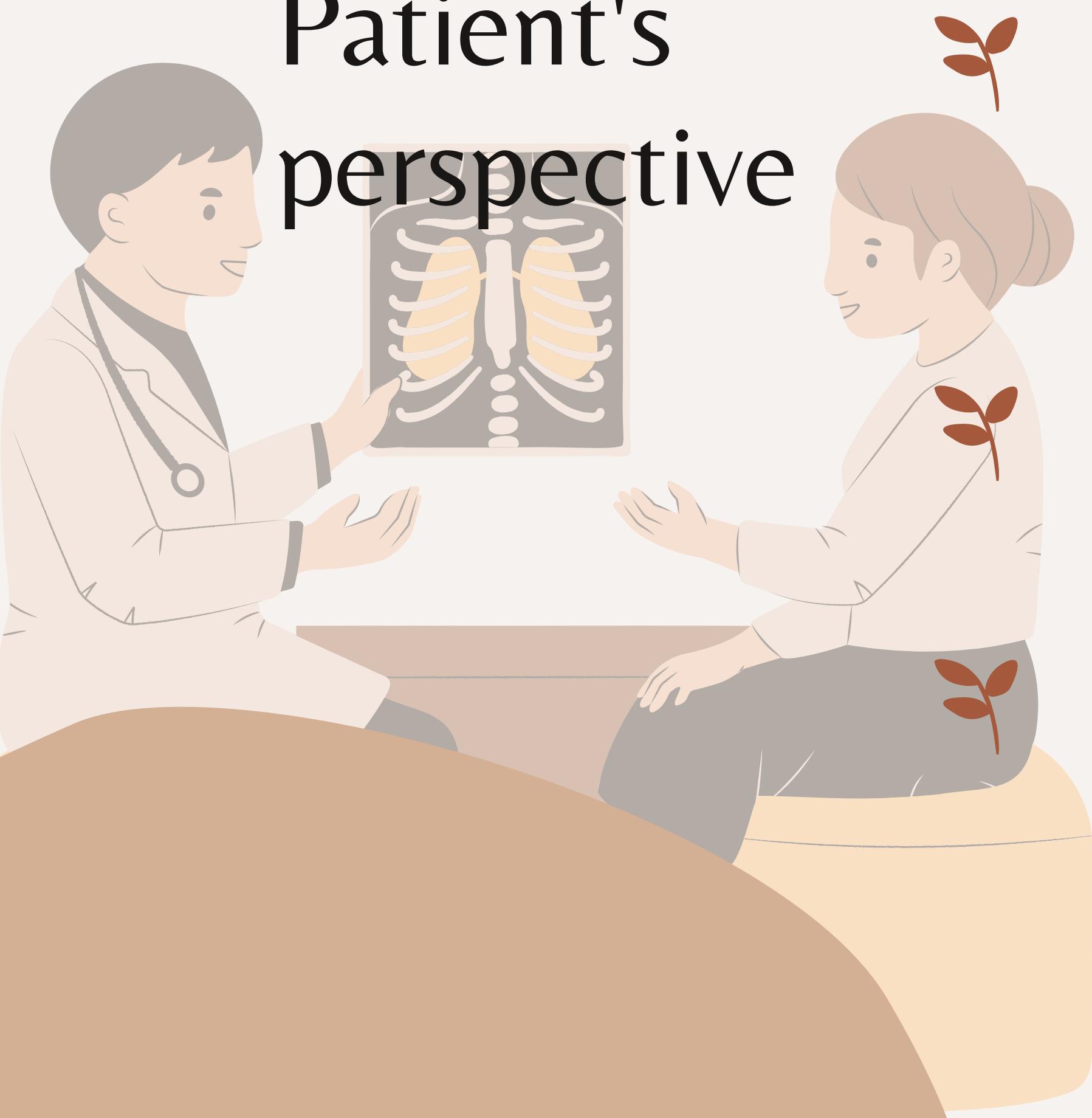
Problem Statement

Design an Online Medical Consultation System to reduce the burden on healthcare infrastructure and make the process of appointment scheduling for patients smooth and streamlined. So what is MedBud?



So, what can you do using MedBud?

From a Patient's perspective



Find hospitals, private clinics, and nursing homes at any location.

Get the information on Doctors and specialists.

Schedule an appointment with a doctor





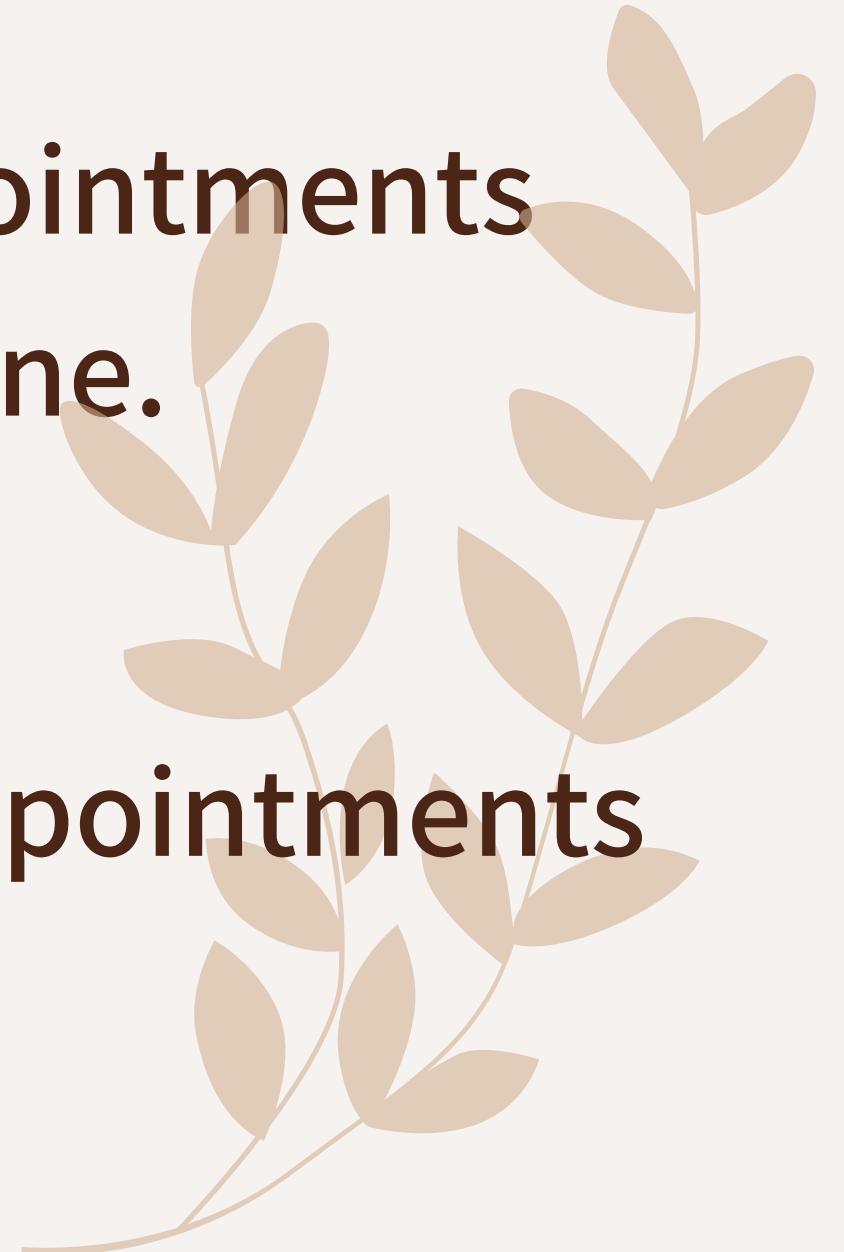
From a Doctor's perspective



Connect to more patients
and help cure their ailment.

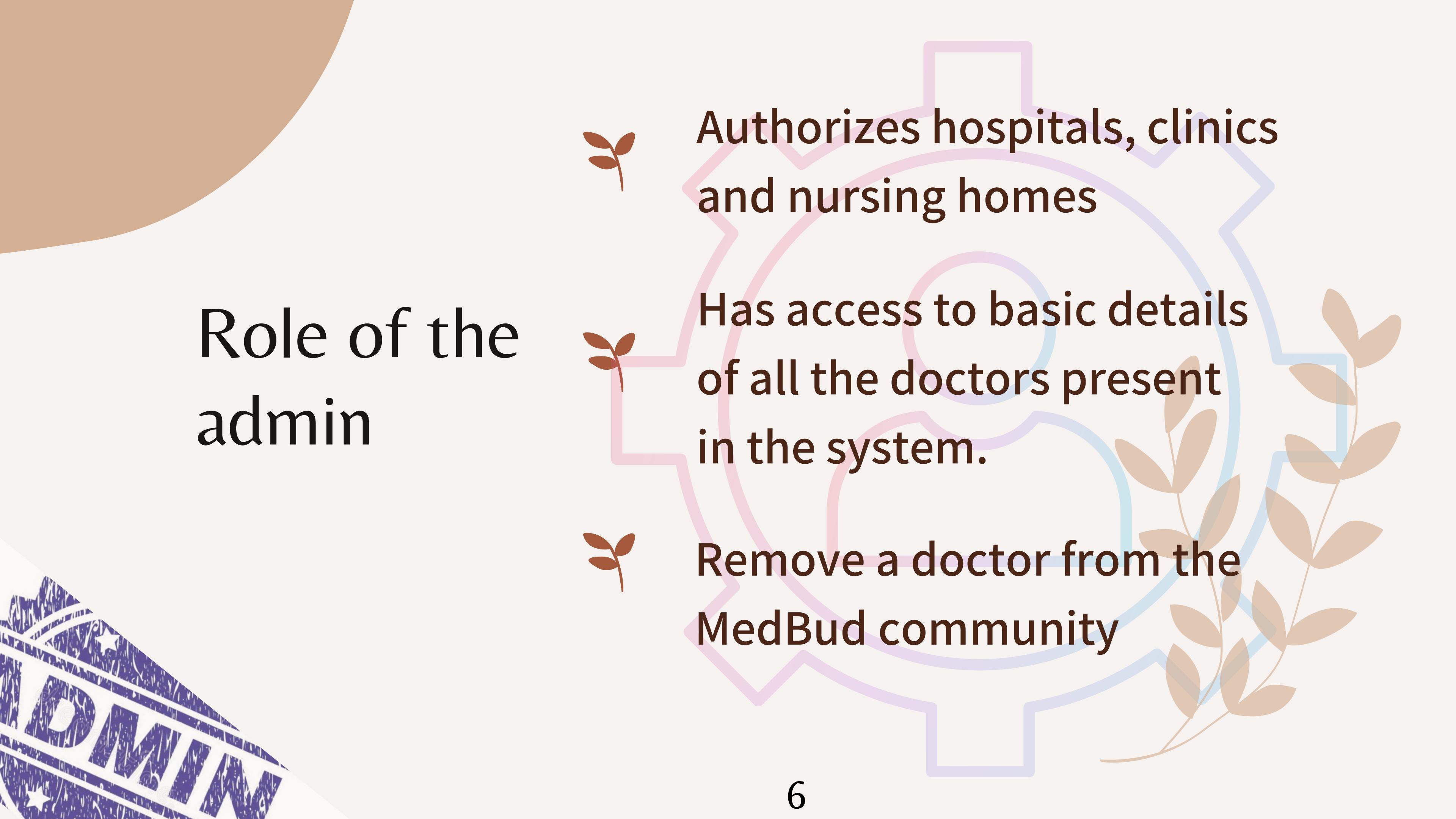


Accept/Reject appointments
based on his timeline.



Manage his/her appointments
with ease.

Role of the admin



Authorizes hospitals, clinics
and nursing homes

Has access to basic details
of all the doctors present
in the system.

Remove a doctor from the
MedBud community

WEBSITE PLANNING

THE WHYS AND HOWS OF IT

Turning design inspiration
to a thriving website

Timeline



Allotment of topic

Our team was allotted the task of making an Online Medical Consultation System.

Submission of the SRS doc

Submitted the Software Requirement Specifications document.



Submission of the test plan

Submitted the test plan and the test suite that demonstrated the functioning .



Hitting the finale

Completed giving the final touches to the UI.

Software Requirements Specification

for

Online Medical Consultation System

Version 1.0 approved

Prepared by :-
Bratin Mondal
Swarnabh Mandal
Somya Kumar

Group: 18

Date: 27/03/2023

Importance of the SRS Doc

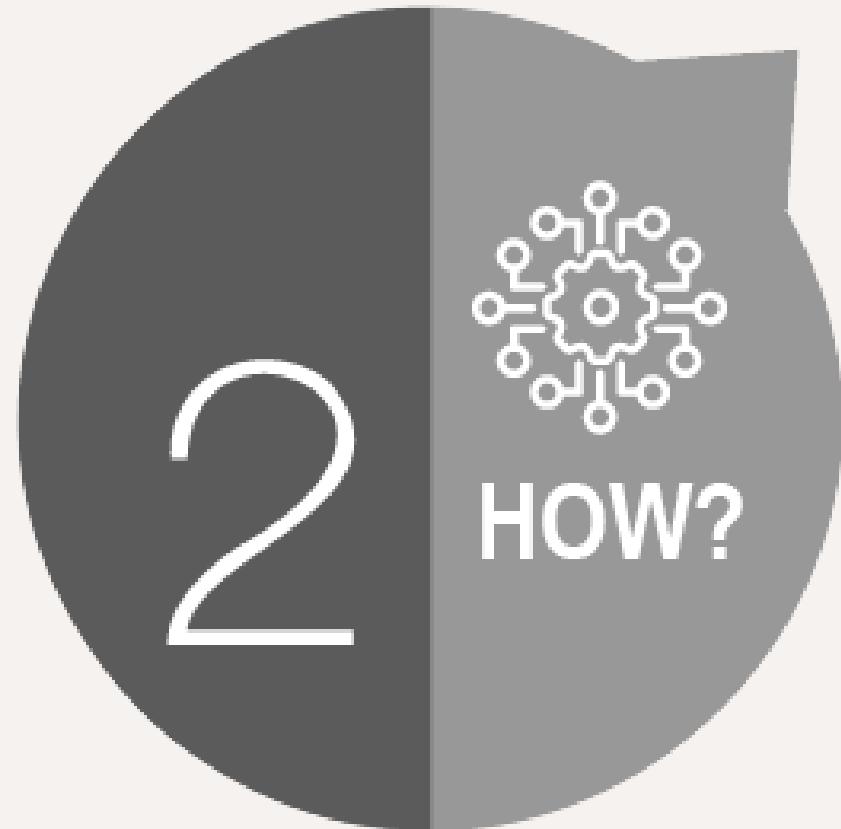
SRS document acted as the blue print of the whole project. It helped us to stay in track with what features had to be implemented and what were the main use cases.

The Design



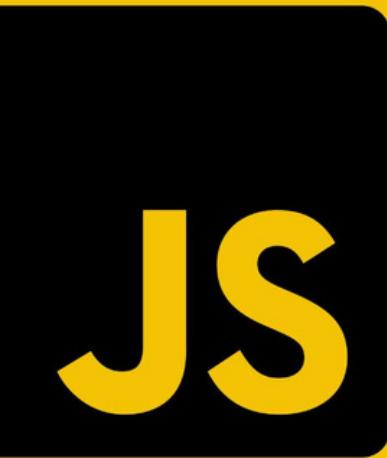


Let's get into the Hows and Whys.





The Choice of Tech Stacks



Why React JS ?

Reusable Components

Components can be reused across multiple pages and applications

Makes application Fast and efficient

Virtual DOM allows to perform updates and re-renders more efficiently.

Large active community

React is the most used front-end framework among professional developers.

Why Django?

Quick and easy API development

DRF provides a lot of built-in features and toolkits which makes it easy to build web apps.

Scalable

DRF is designed to be scalable which makes it easier to handle large amounts of traffic and data

Large active community

DRF has large and active community and also comprehensive easy to understand documentation.

Salient Features



Secure
Authentication



Automated Email
based confirmation



Easy to use

What was Easy?



Designing the
specifications



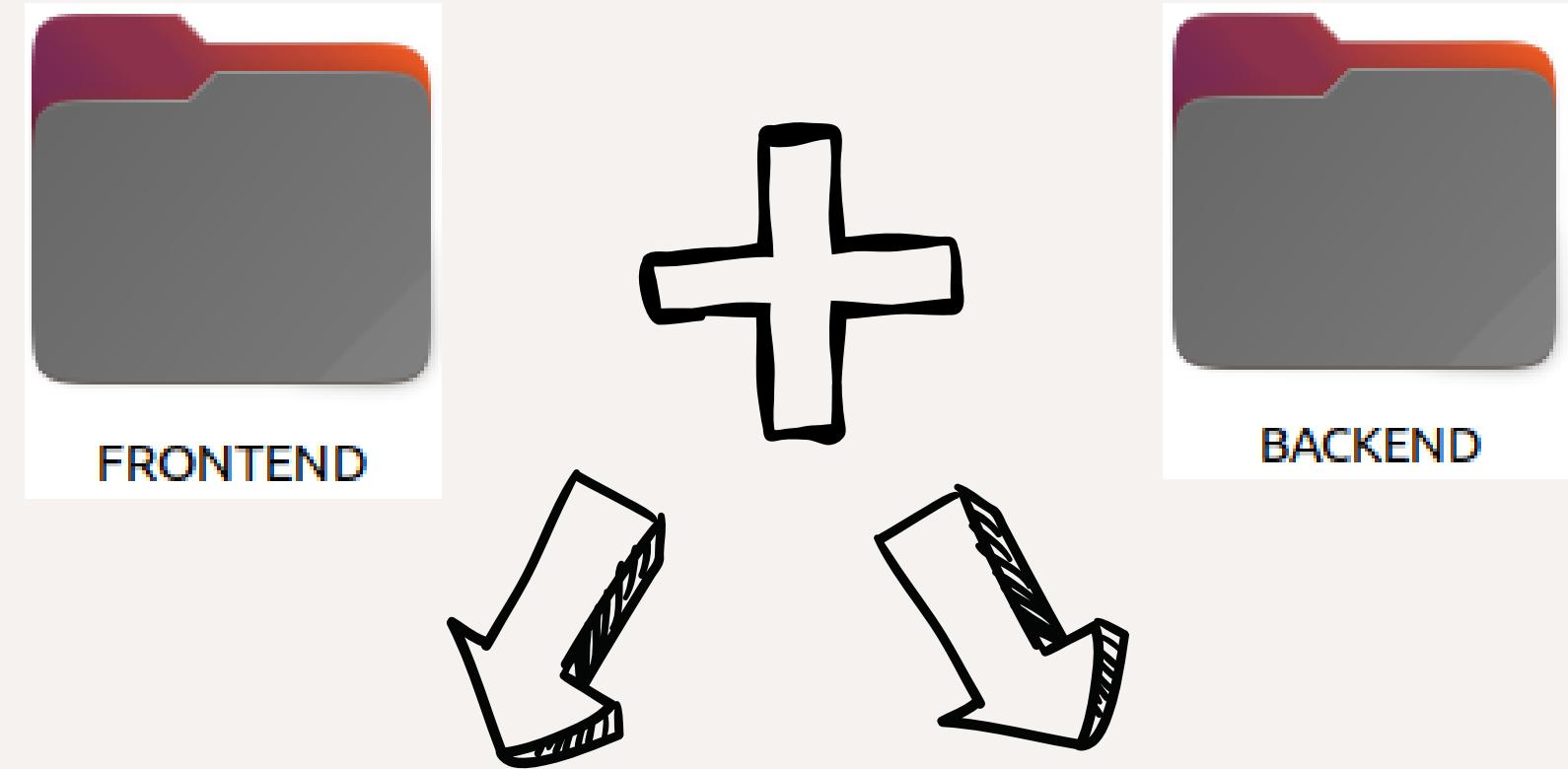
Designing the
Frontend



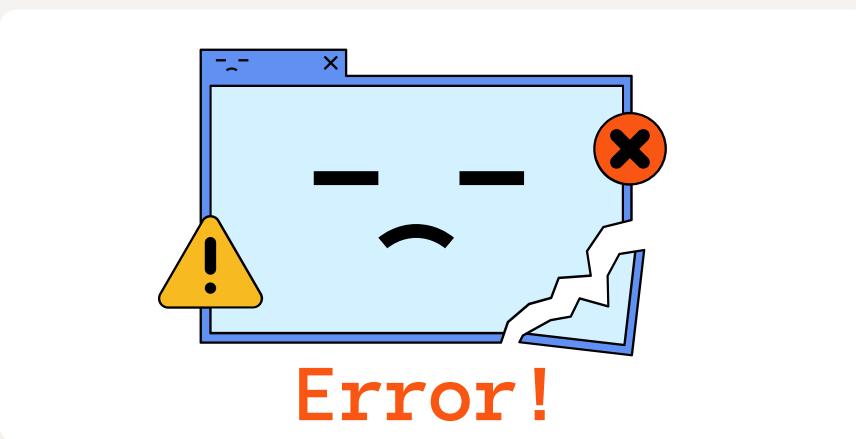
Designing the
Classes



Designing the Test
Suite



Expectation



Reality

What was Difficult?



Implementing JWT Authentication

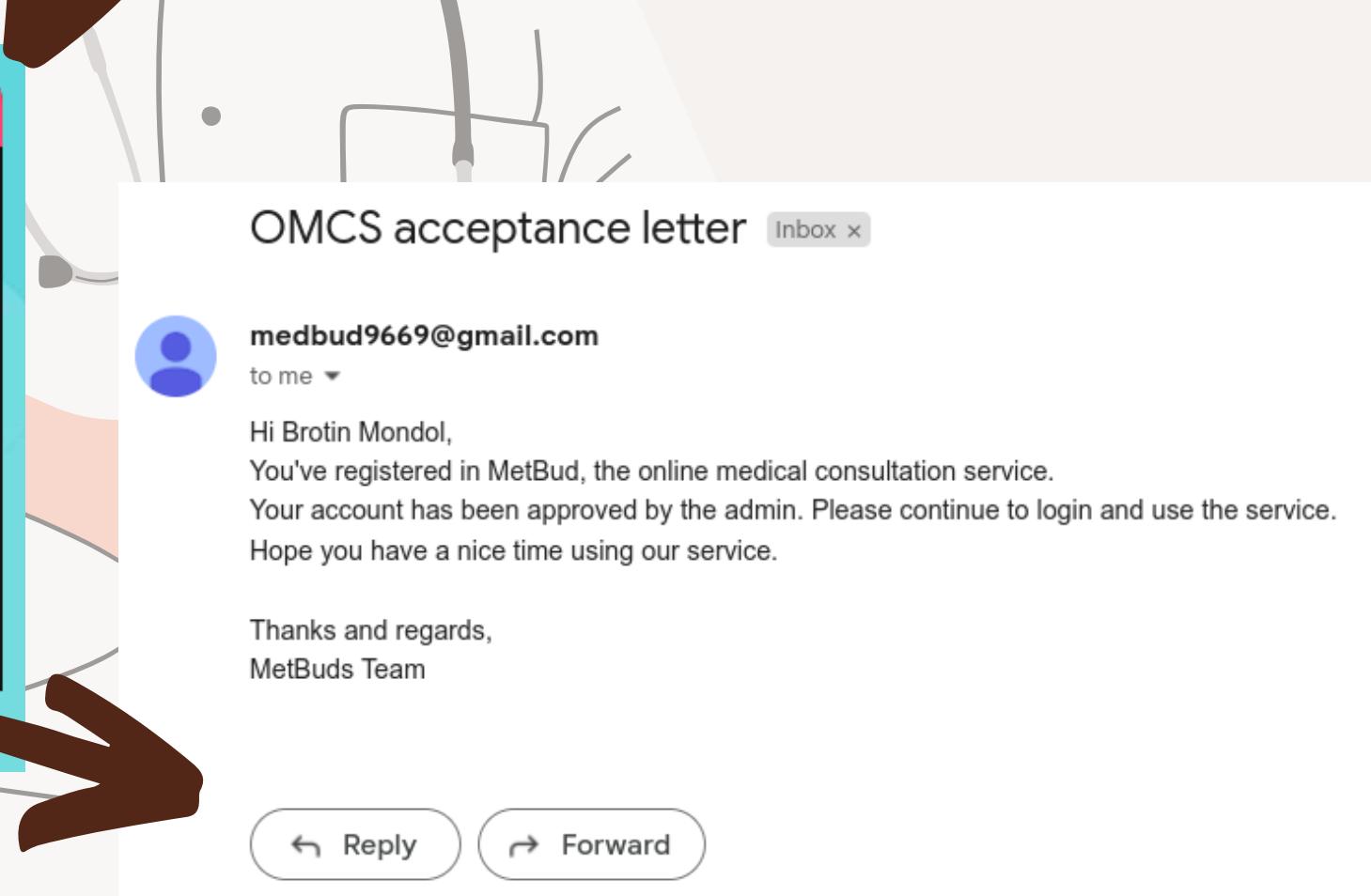
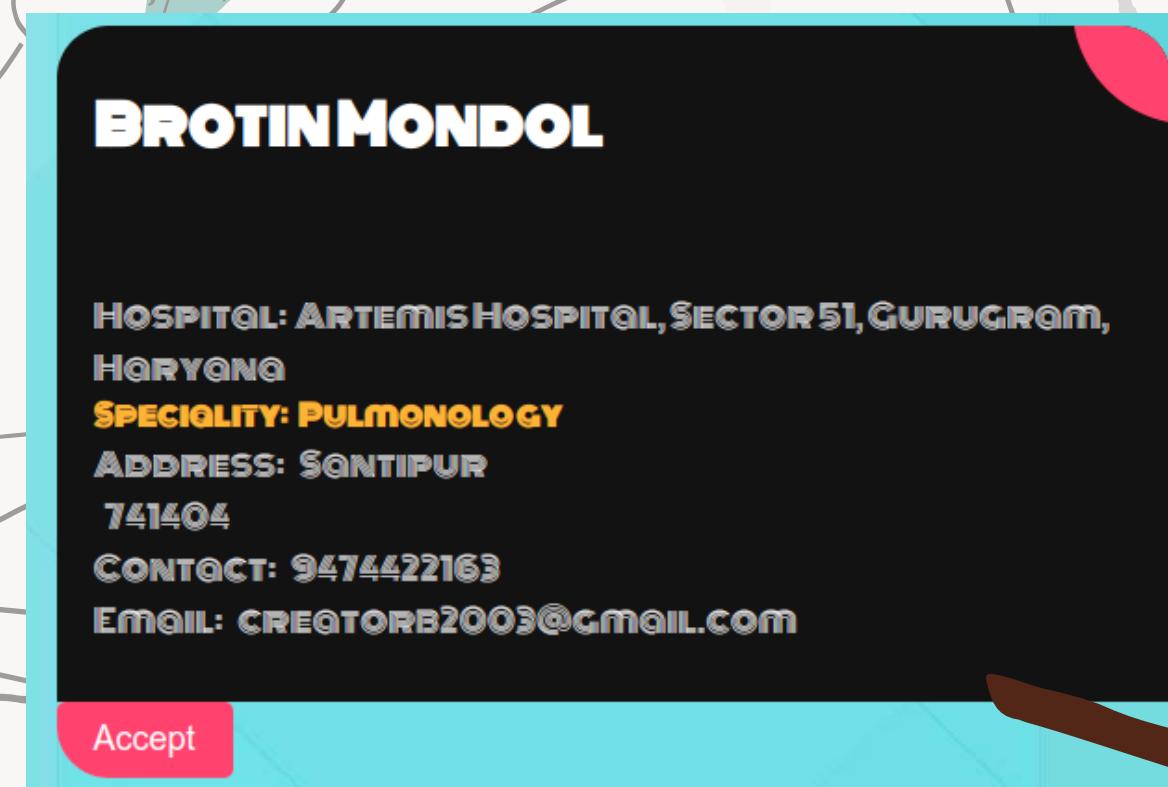
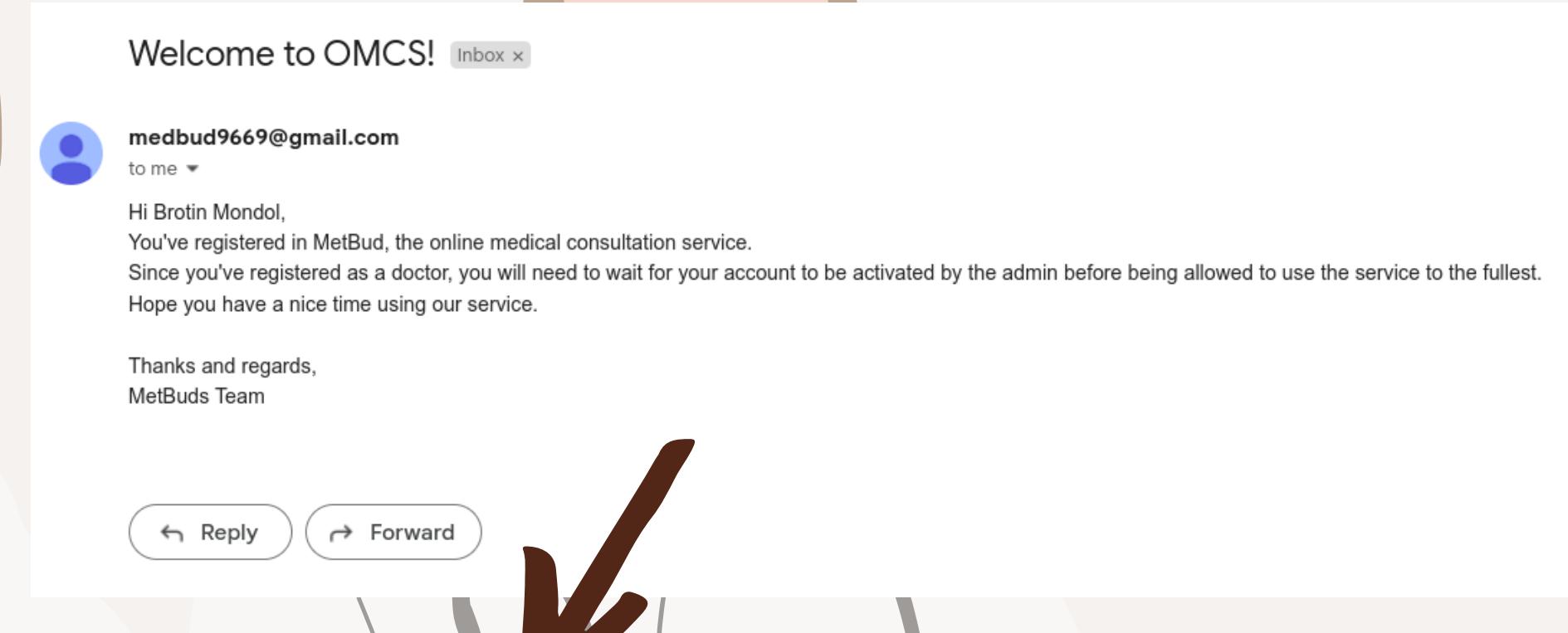
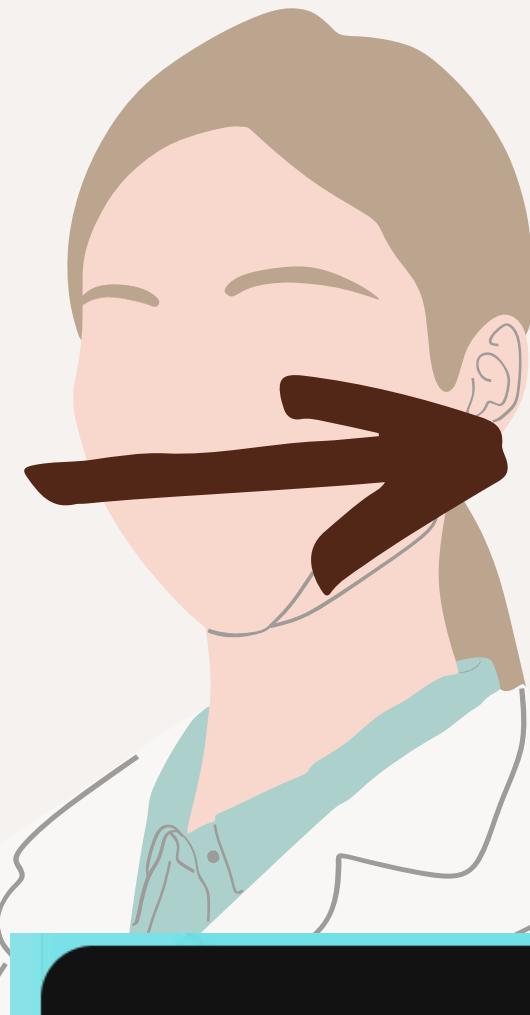


Implementing the Email based communication

Use Cases:

Register

creatorb2003@gmail.com
.....
Brotin
Mondol
Santipur
9474422163
Hospital
Pulmonology
741404



Patient Registration

Register

bratinmondal689@gmail.com
.....
Bratin
Mondal
Santipur,Nadia
9382416909
741404

Register



Welcome to OMCS! Inbox x

 medbud9669@gmail.com
to me ▾

Hi Bratin Mondal,
You've registered in MetBud, the online medical consultation service.
Hope you have a nice time using our service.

Thanks and regards,
MetBuds Team

Reply Forward

Hospital Registration



Moolchand Medicity

Lajpat Nagar-3 Near Moolchand Metro Station

110024

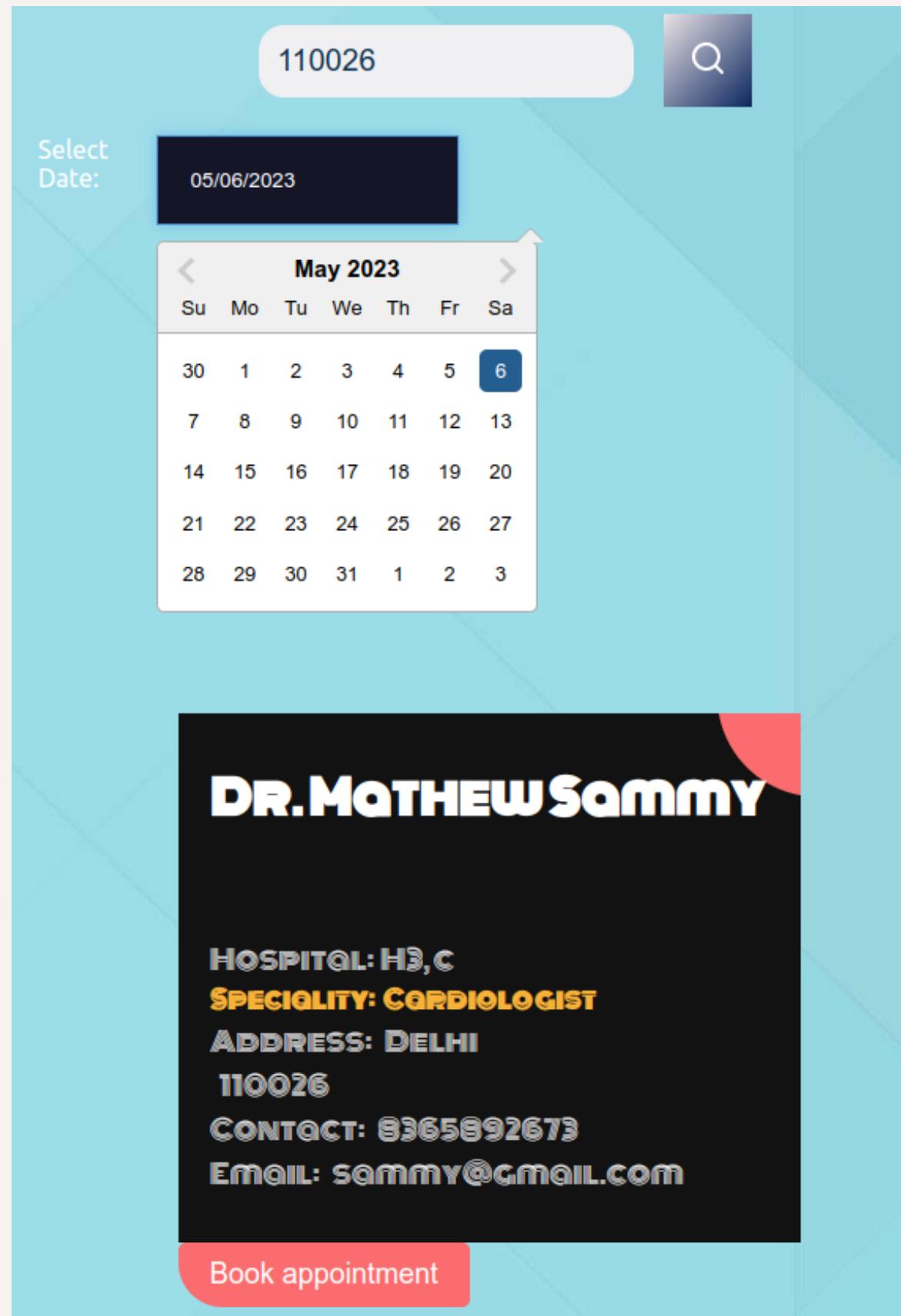
Register

HOSPITAL

**MOOLCHAND
MEDICITY**

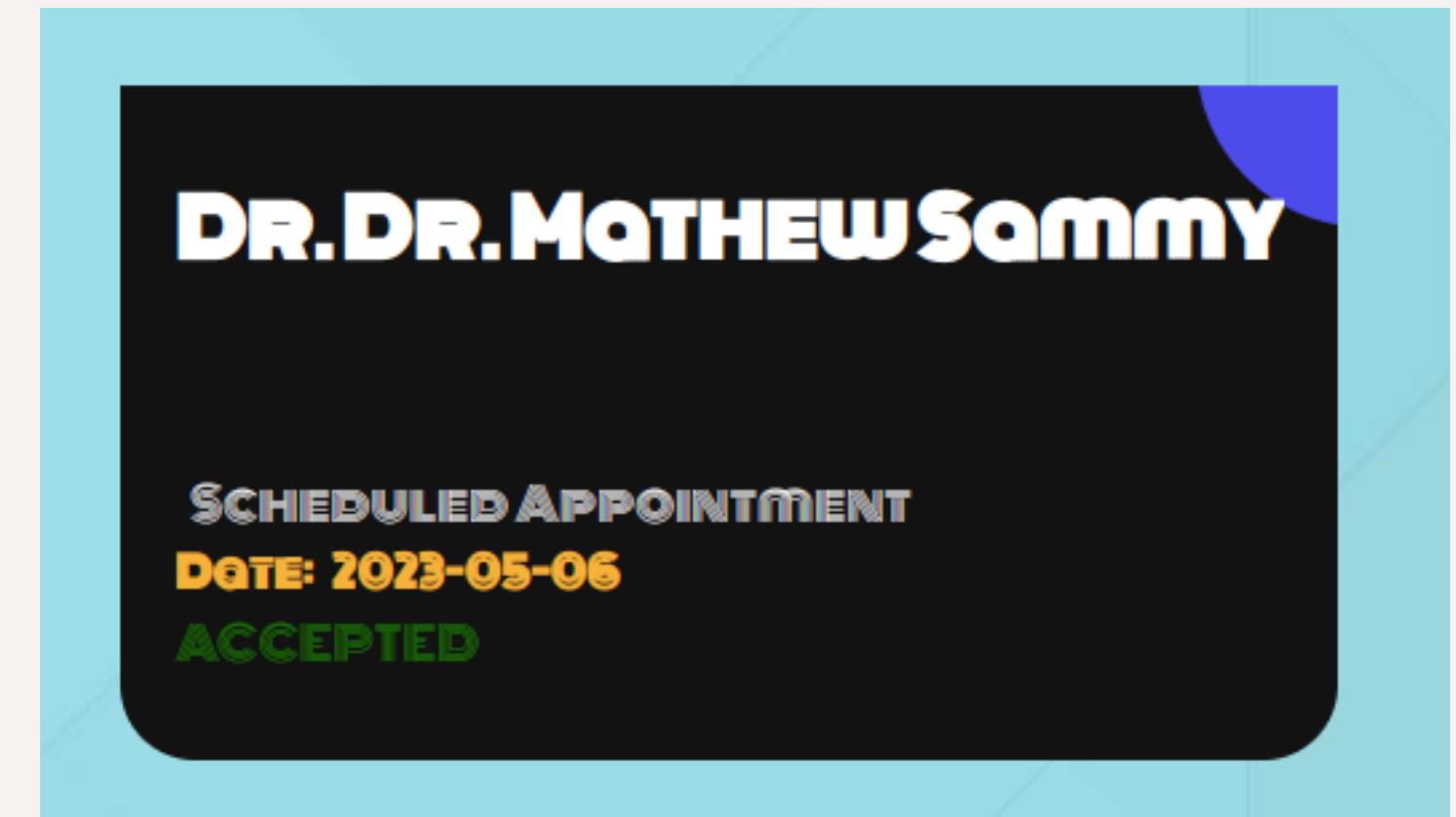
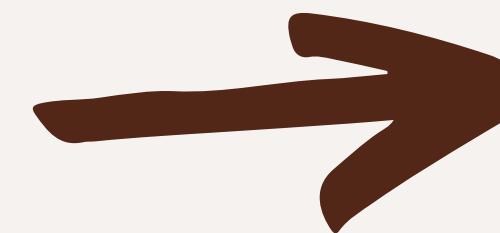
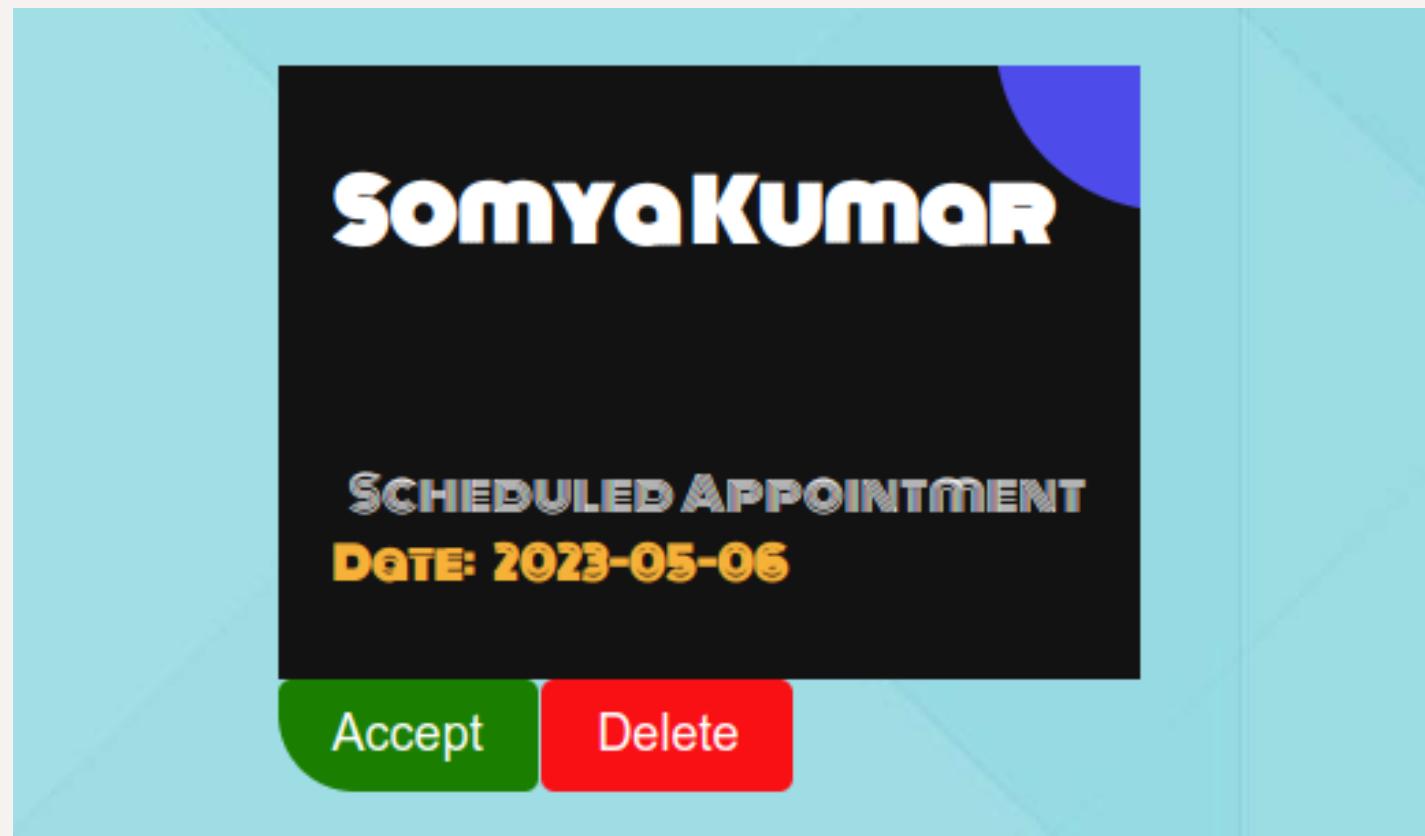
ADDRESS: LAJPAT
NAGAR-3 NEAR
MOOLCHAND METRO
STATION
PIN CODE: 110024

Appointment Booking



Appointment scheduled by patient

Accepting the Appointment



Appointment request shown in
Doctor's dashboard

Appointment confirmation reflected in
patient's dashboard

What could have been Improved ?



UI and UX could have been
made even more
impressive

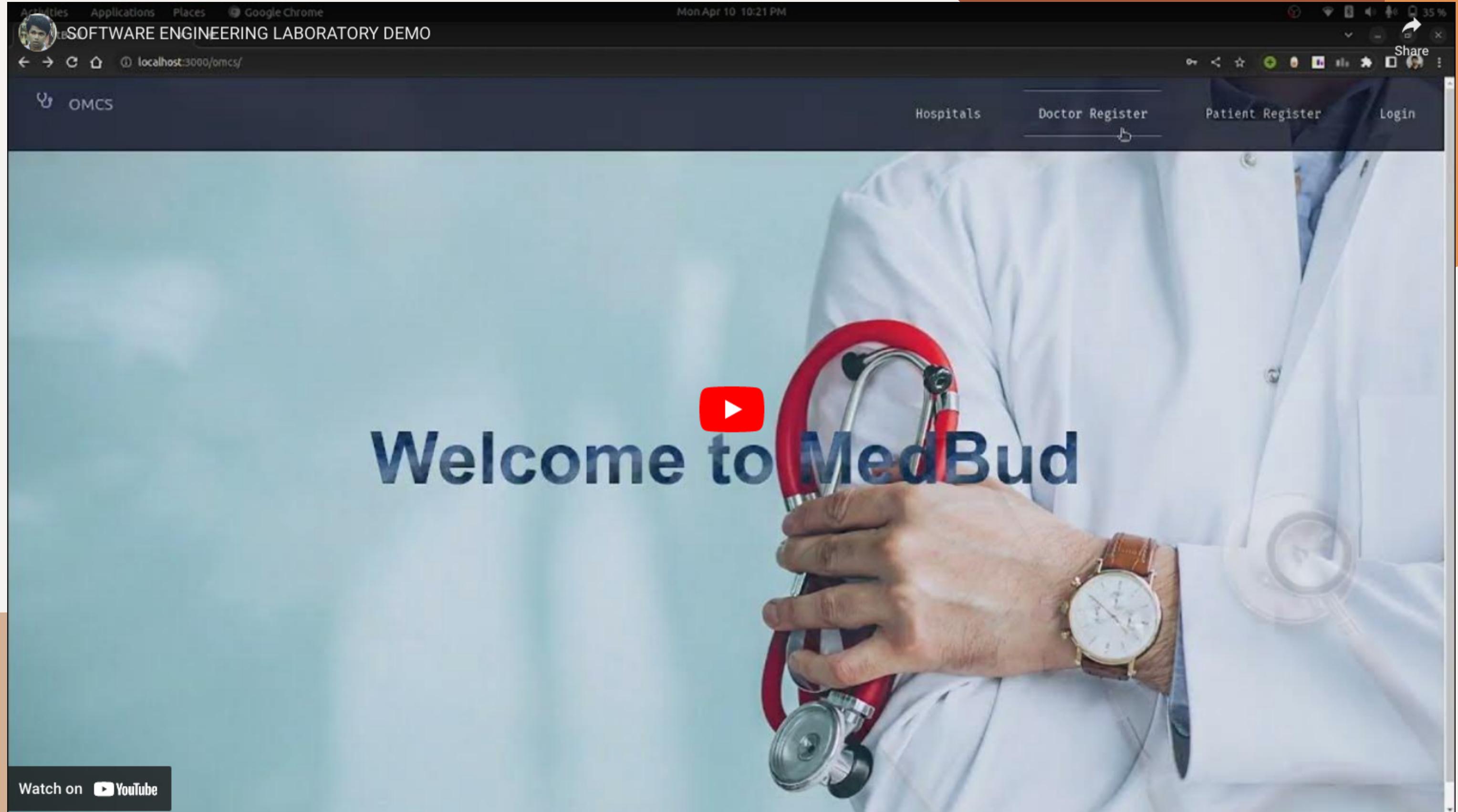


Website could have been
deployed on the internet



Security of the admin side
could have been further
improved

Demo video



<https://youtu.be/rcxTM8RjOOc>

Thank You