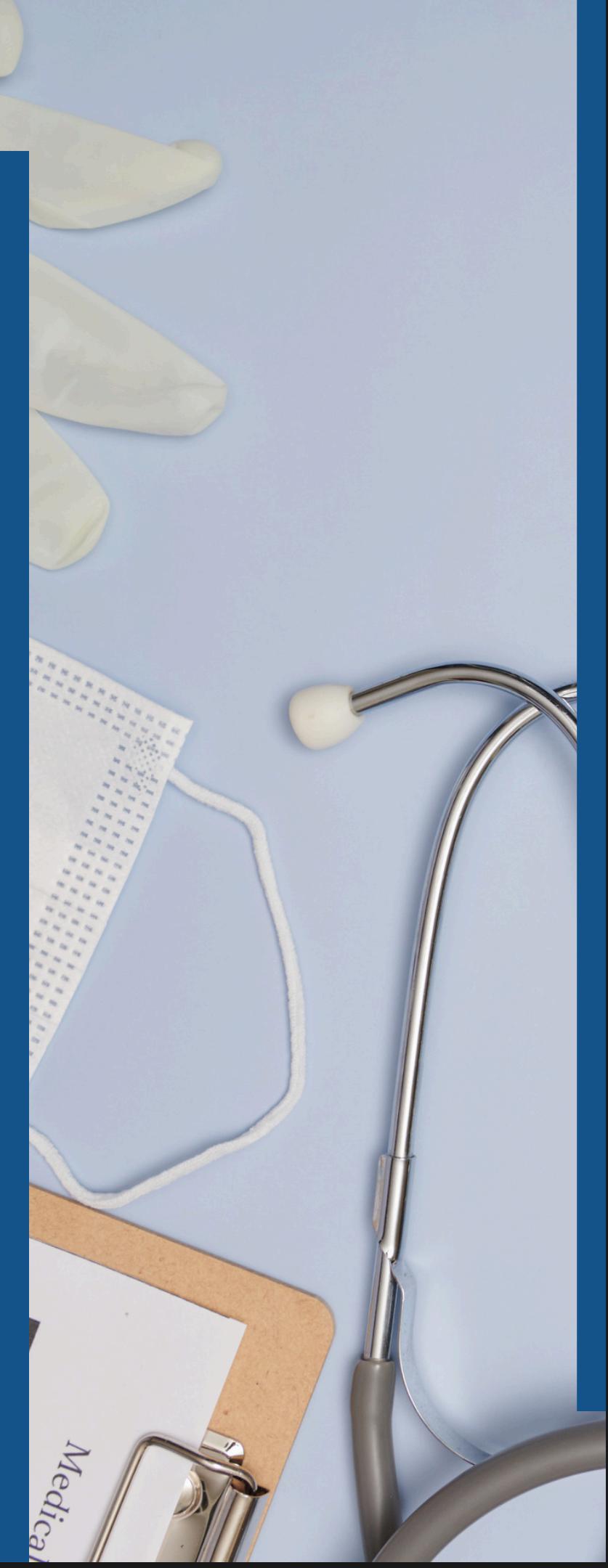


# Healthcare Appointment System

Malcolm Antao  
Nathania Baptista  
Anushka Da Silva



## INTRODUCTION

In today's evolving healthcare landscape, the Doctor Appointment Booking System revolutionizes appointment scheduling by offering patients to book their appointments online from the comfort of their homes. Through an intuitive interface, patients can book appointments at their convenience, eliminating the need for phone calls or in-person visits. The system ensures patients and doctor are informed about upcoming appointments, promoting timely check-ups and follow-ups and also grants the patient access to their prescription online. It fosters collaboration between patients and providers making healthcare more efficient and accessible. Through our project we hope to improve healthcare and set new standards in how it is delivered, thus ensuring a better future for everyone involved.

## EXISTING SYSTEM



1. Phone-Based Booking: Patients call the clinic, leading to errors, long wait times, and inconvenience for those unable to call during office hours.
2. In-Person Appointment Scheduling: Requires patients to visit the clinic, causing potential time constraints and inconvenience.
3. Manual Appointment Books: Rely on paper or electronic spreadsheets, prone to errors and lack real-time updates.
4. Online Bookings: Offered by some providers but often lack user-friendliness, real-time updates, and require lengthy form filling.

Overall, current methods are fragmented, inefficient, and fail to meet the needs of patients and providers.

## PROPOSED SYSTEM

The Proposed Project offers a streamlined, secure, and user-friendly solution for medical appointment scheduling, benefiting patients and healthcare providers alike

**Online Booking:** Patients access up-to-date appointments via a user-friendly interface.

**Real-time Availability:** Patients view current appointment slots, reducing conflicts.

**Upcoming Appointment Tracker:** System sends reminders to patients and doctor.

**Prescription Management:** Doctors enter prescriptions, accessible to patients.

**Patient Information:** Patients provide essential details for doctor preparation.

**Doctor Scheduling:** Efficient management of doctor availability.

**Enhanced Experience:** Improves convenience, accessibility, and satisfaction in healthcare delivery



# USER INTERFACE

# LANDING PAGE

MEDIBOOK Home Contact Location Doctor Schedule About Us [Login/Signup](#)

## Book Your Doctor Appointments With Ease

Your Health Your Schedule  
Book Appointments Anytime

Sign up today



< >



### Emergency Contact

Have questions or need assistance? Contact us anytime for support and guidance..

[View details »](#)



### Address

Explore our services at the heart of your community. Discover our location for easy access to quality healthcare.

[View details »](#)



### Schedule

Plan your visit hassle-free with our easy scheduling options. Your health journey starts with just a few clicks.

[View details »](#)

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### Why Choose Us? Unmatched Quality.

# LANDING PAGE

MEDIBOOK Home Contact Location Doctor Schedule About Us [Login/Signup](#)

## Why Choose Us? Unmatched Quality.

Expertise and Experience: With over 5 years of experience in Family Medicine, Dr. Shaizel brings unparalleled expertise to every patient interaction. Their dedication to staying abreast of the latest advancements ensures that you receive the most effective and up-to-date treatment options available.



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## Seeking Personalized Care? Individually Tailored.

At MediCare Clinic, we understand that every patient is unique, which is why we prioritize personalized care tailored to your individual needs. From thorough consultations to compassionate support throughout your healthcare journey, Dr. Da Silva is committed to building a trusting relationship with each patient, empowering you to make informed decisions about your health.

# LANDING PAGE

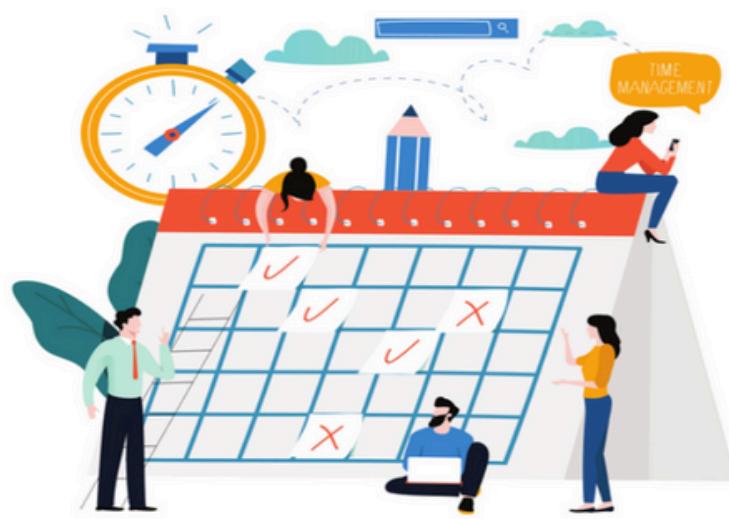
MEDIBOOK [Home](#) [Contact](#) [Location](#) [Doctor Schedule](#) [About Us](#) [Login/Signup](#)



compassionate support throughout your healthcare journey, Dr. Da Silva is committed to building a trusting relationship with each patient, empowering you to make informed decisions about your health.

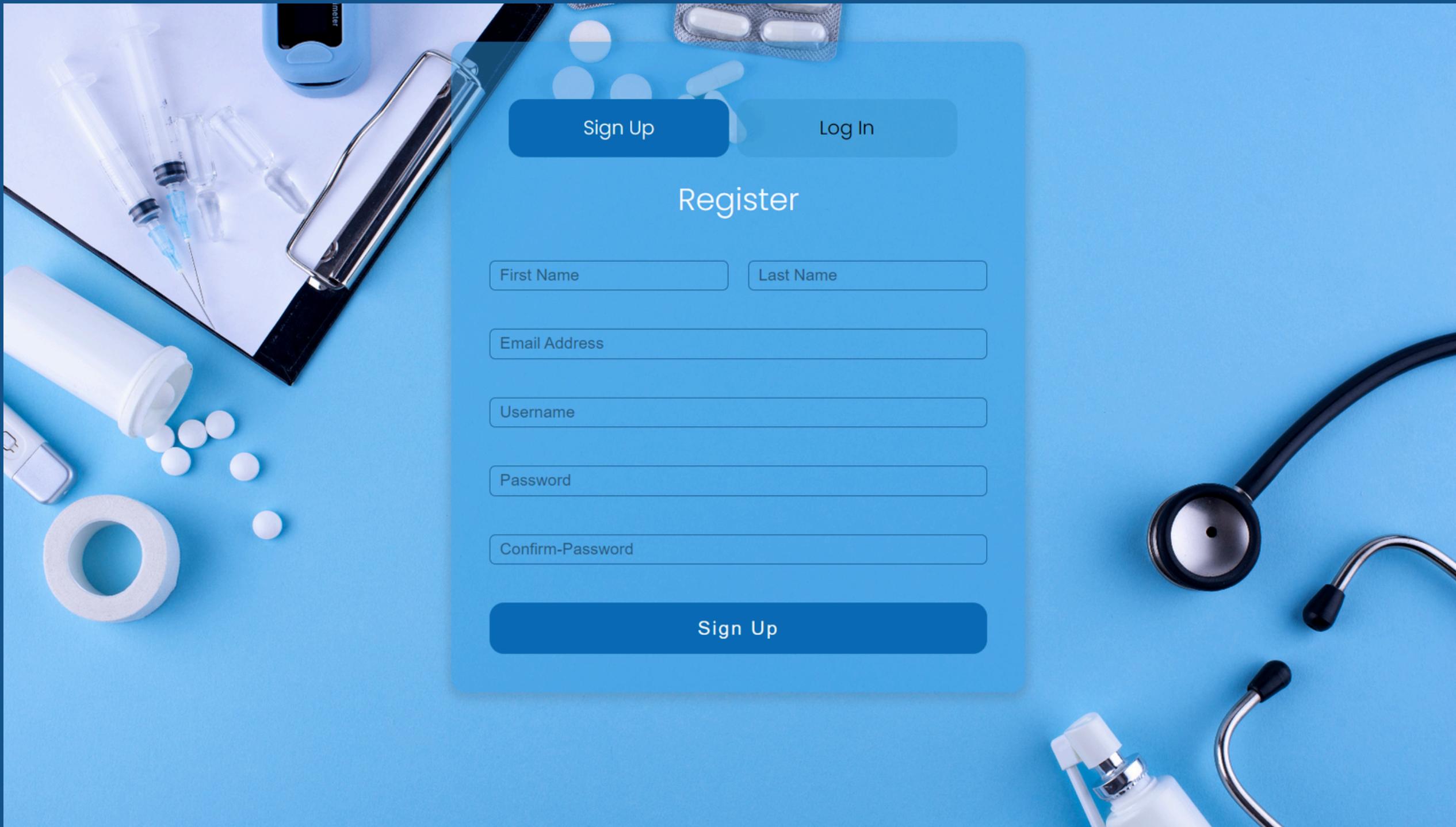
**Desire Flexible Scheduling? Conveniently Adaptable.**

Select appointment times that seamlessly integrate with your hectic schedule, and rest assured knowing you'll receive timely reminders for all your upcoming appointments. Our user-friendly system ensures that managing your healthcare commitments is both convenient and stress-free, empowering you to prioritize your well-being effortlessly.

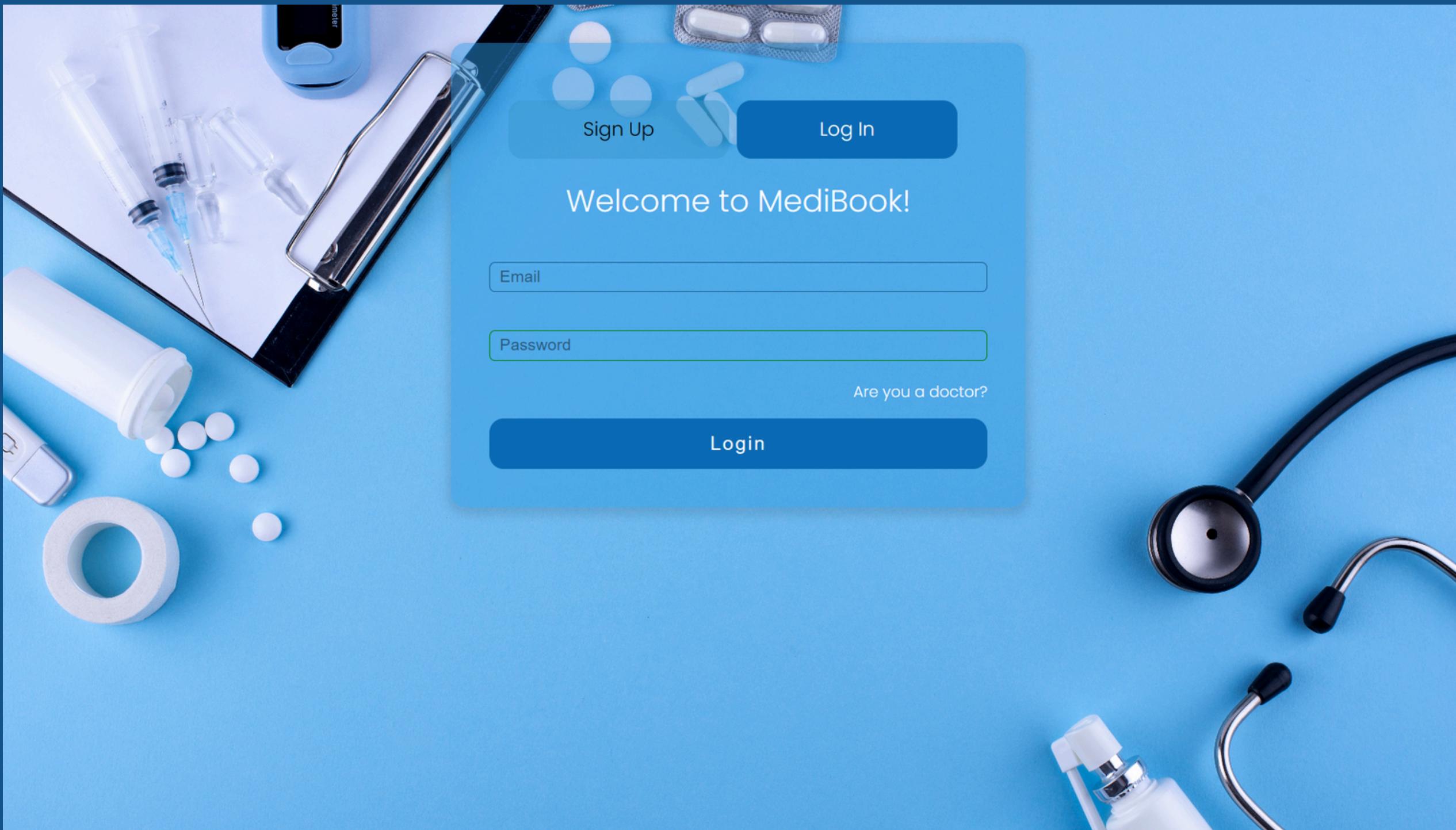


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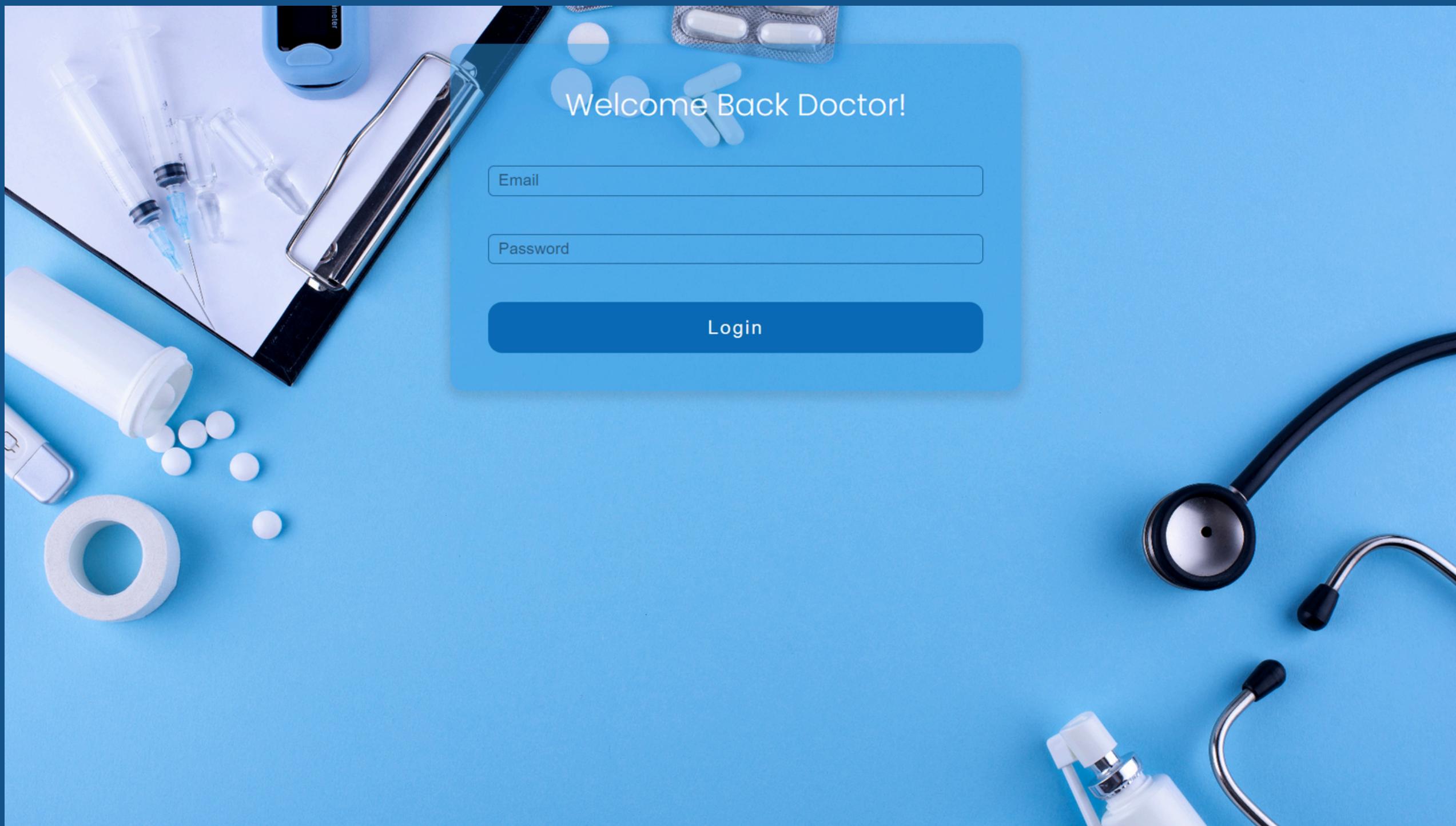
# PATIENT SIGN-UP



# PATIENT SIGN-IN



# DOCTOR LOGIN



# PATIENT DASHBOARD

 MEDIBOOK

localhost says  
Appointment scheduled successfully.

OK

7:29:03 PM

HOME

Monday

9:00 AM 9:30 AM 10:30 AM  
11:00 AM

Tuesday

2:00 PM 1:30 PM 12:30 PM  
12:00 PM

Wednesday

2:30 PM 1:00 PM 11:30 AM

Thursday

3:00 PM 3:30 PM 4:00 PM

Friday

5:30 PM 5:00 PM 4:30 PM

Saturday

6:00 PM 6:30 PM 7:00 PM  
7:30 PM

SCHEDULE

Latest Prescription

Name	Dosage	Instructions	Quantity
No Prescriptions found.			

| Bored? |  Anushka

# PATIENT DASHBOARD

MEDIBOOK

| Bored? | Malcolm

HOME

Saturday May 4, 2024  
7:08:08 PM

Monday

9:00 AM 9:30 AM 10:30 AM  
11:00 AM

Tuesday

2:00 PM 1:30 PM 12:30 PM  
12:00 PM

Wednesday

2:30 PM 1:00 PM 11:30 AM

Thursday

3:00 PM 3:30 PM 4:00 PM

Friday

5:30 PM 5:00 PM 4:30 PM

Saturday

6:00 PM 6:30 PM 7:00 PM

SCHEDULE

Latest Prescription

Name	Dosage	Instructions	Quantity
EyeRelief	1 drop in each eye	Apply twice daily	10
ClearEyes	2 drops in affected eye(s)	Use as needed for itching or redness	15
VisionGuard	1 capsule daily	Take with food	30
EyeCool	1 pack as eye compress	Use for 10 minutes, twice daily	5

# PATIENT PROFILE

MEDIBOOK



NAME

Full Name

AGE

Age (in years)

SEX

Male/Female/Other

HEIGHT

Feet

Inches

WEIGHT

In Kg

ADDRESS

eg.: House No. 42, Miramar Beach Road, Panaji, Goa, 403001, India

CONTACT NUMBER

eg.: +91 12345 67890

EMERGENCY CONTACT

eg.: +91 98765 43210

EMAIL

eg.: example.user@example.com

Save

Bored? | Malcolm

# PATIENT PROFILE

MEDIBOOK



NAME  
Malcolm Antao

AGE  
20

SEX  
Male

HEIGHT  
6

WEIGHT  
1 85

ADDRESS  
Fatorda

CONTACT NUMBER  
7887845842

EMERGENCY CONTACT  
928856447

EMAIL  
malcolmantao@gmail.com

Edit

Bored? |  Malcolm

# DOCTOR DASHBOARD

MEDIBOOK | Bored? | DOCTOR

**HOME** Saturday May 4, 2024 8:16:51 AM

Sr. No.	Name	Time Slot	Select Patient
1	Malcolm Antao	Wednesday 10:00 AM	<input checked="" type="checkbox"/>
2	Anushka Da Silva	Saturday 7:30 PM	<input type="checkbox"/>

**Patient Details**



Malcolm Antao

**Latest Prescription**

Add Medication

Name	Dosage	Instructions	Quantity	Action
EyeRelief	1 drop in each eye	Apply twice daily	10	Delete
ClearEyes	2 drops in affected eye	Use as needed for itchir	15	Delete
VisionGuard	1 capsule daily	Take with food	30	Delete
EyeCool	1 pack as eye compress	Use for 10 minutes, twic	5	Delete

Submit Prescription

# DOCTOR PROFILE

MEDIBOOK



Bored? | DOCTOR

NAME  
Dr. Nathania

ADDRESS  
Fatorda

CONTACT NUMBER  
7896425316

EMAIL  
doctor@gmail.com

SPECIALIZATION  
Ophthalmologist

QUALIFICATION  
MBBS

Edit

# DOCTOR SCHEDULE

MEDIBOOK

| Bored? | Doctor

## HOME

Monday

9:00 AM	9:30 AM	10:00 AM
10:30 AM	11:00 AM	11:30 AM
12:00 PM	12:30 PM	1:00 PM
1:30 PM	2:00 PM	2:30 PM
3:00 PM	3:30 PM	4:00 PM
4:30 PM	5:00 PM	5:30 PM
6:00 PM	6:30 PM	7:00 PM
7:30 PM		

SCHEDULE

Tuesday

9:00 AM	9:30 AM	10:00 AM
10:30 AM	11:00 AM	11:30 AM
<b>12:00 PM</b>	12:30 PM	1:00 PM
1:30 PM	2:00 PM	2:30 PM
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4:30 PM	5:00 PM	5:30 PM
6:00 PM	6:30 PM	7:00 PM
7:30 PM		

SCHEDULE

Wednesday

9:00 AM	9:30 AM	10:00 AM
10:30 AM	11:00 AM	11:30 AM
12:00 PM	12:30 PM	1:00 PM
1:30 PM	2:00 PM	2:30 PM
3:00 PM	3:30 PM	4:00 PM
4:30 PM	5:00 PM	5:30 PM
6:00 PM	6:30 PM	7:00 PM
7:30 PM		

SCHEDULE

Thursday

9:00 AM	9:30 AM	10:00 AM
10:30 AM	11:00 AM	11:30 AM

Friday

9:00 AM	9:30 AM	10:00 AM
10:30 AM	11:00 AM	11:30 AM

Saturday

9:00 AM	9:30 AM	10:00 AM
10:30 AM	11:00 AM	11:30 AM

# DOCTOR SCHEDULE

MEDIBOOK

Bored? Doctor

3:00 PM	3:30 PM	4:00 PM
4:30 PM	5:00 PM	5:30 PM
6:00 PM	6:30 PM	7:00 PM
7:30 PM		

SCHEDULE

3:00 PM	3:30 PM	4:00 PM
4:30 PM	5:00 PM	5:30 PM
6:00 PM	6:30 PM	7:00 PM
7:30 PM		

SCHEDULE

3:00 PM	3:30 PM	4:00 PM
4:30 PM	5:00 PM	5:30 PM
6:00 PM	6:30 PM	7:00 PM
7:30 PM		

SCHEDULE

Thursday

9:00 AM	9:30 AM	10:00 AM
10:30 AM	11:00 AM	11:30 AM
12:00 PM	12:30 PM	1:00 PM
1:30 PM	2:00 PM	2:30 PM
3:00 PM	3:30 PM	4:00 PM
4:30 PM	5:00 PM	5:30 PM
6:00 PM	6:30 PM	7:00 PM
7:30 PM		

SCHEDULE

Friday

9:00 AM	9:30 AM	10:00 AM
10:30 AM	11:00 AM	11:30 AM
12:00 PM	12:30 PM	1:00 PM
1:30 PM	2:00 PM	2:30 PM
3:00 PM	3:30 PM	4:00 PM
4:30 PM	5:00 PM	5:30 PM
6:00 PM	6:30 PM	7:00 PM
7:30 PM		

SCHEDULE

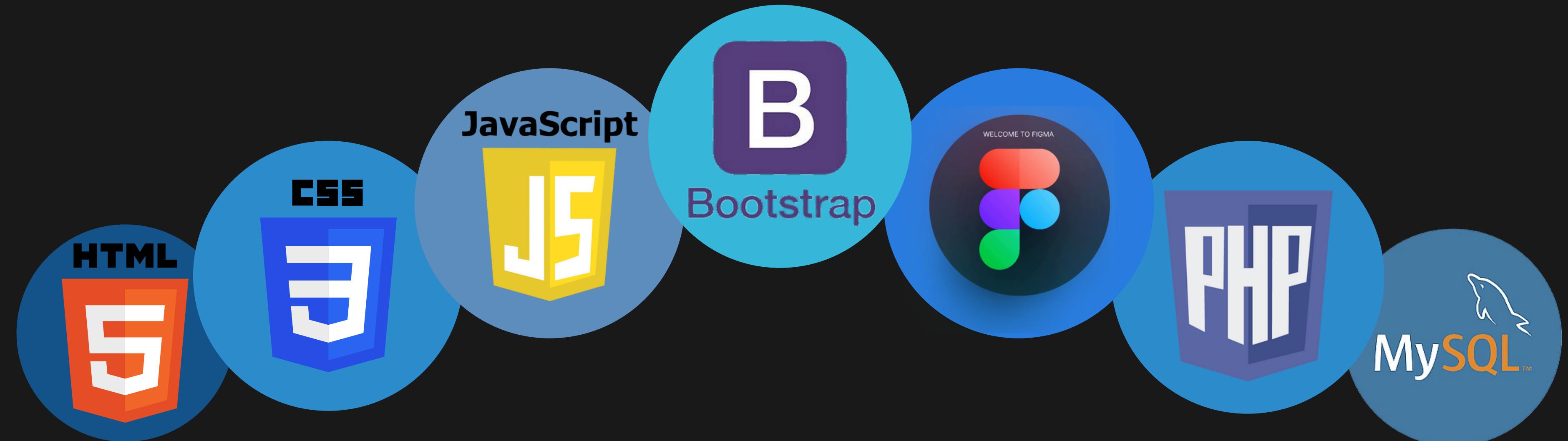
Saturday

9:00 AM	9:30 AM	10:00 AM
10:30 AM	11:00 AM	11:30 AM
12:00 PM	12:30 PM	1:00 PM
1:30 PM	2:00 PM	2:30 PM
3:00 PM	3:30 PM	4:00 PM
4:30 PM	5:00 PM	5:30 PM
6:00 PM	6:30 PM	7:00 PM
7:30 PM		

SCHEDULE

# IMPLEMENTATION

# SOFTWARE STACK



# FRONT-END DEVELOPMENT

The frontend of the doctor appointment website will use HTML, CSS, and JavaScript. It'll have an intuitive interface for easy navigation by patients and doctors, implementing various features.

Landing Page: Website overview.

Patient Login/Sign Up: Access profiles, book appointments.

Doctor Login: Secure access for managing appointments

# BACK-END DEVELOPMENT

The website's backend, powered by PHP, supports frontend features like user authentication, appointment scheduling, and prescription management. It facilitates appointment booking and prescription handling for doctors and patients.

Appointment Scheduling: Lets doctors manage availability and patients book appointments.

Patient Prescription: Allows doctors to prescribe meds and maintain records at the same time it allows patients to view the prescription.

# FRAMEWORK

Bootstrap will be utilized as the frontend framework to ensure a responsive and mobile-friendly design. Bootstrap's grid system and pre-styled components will streamline the development process and enhance the website's overall look and feel.

# DATABASE MANAGEMENT

MySQL will serve as the database management system for storing user data, appointment details, prescriptions, and other relevant information. Proper database normalization and indexing will be implemented to ensure efficient data retrieval and management.

# USER ROLES AND PERMISSIONS

## DOCTOR

1. Doctors access a dedicated login portal for authentication.
2. Upon logging in, they view weekly schedules, manage appointments, and prescribe medications.
3. They can update their profiles and access patient profiles

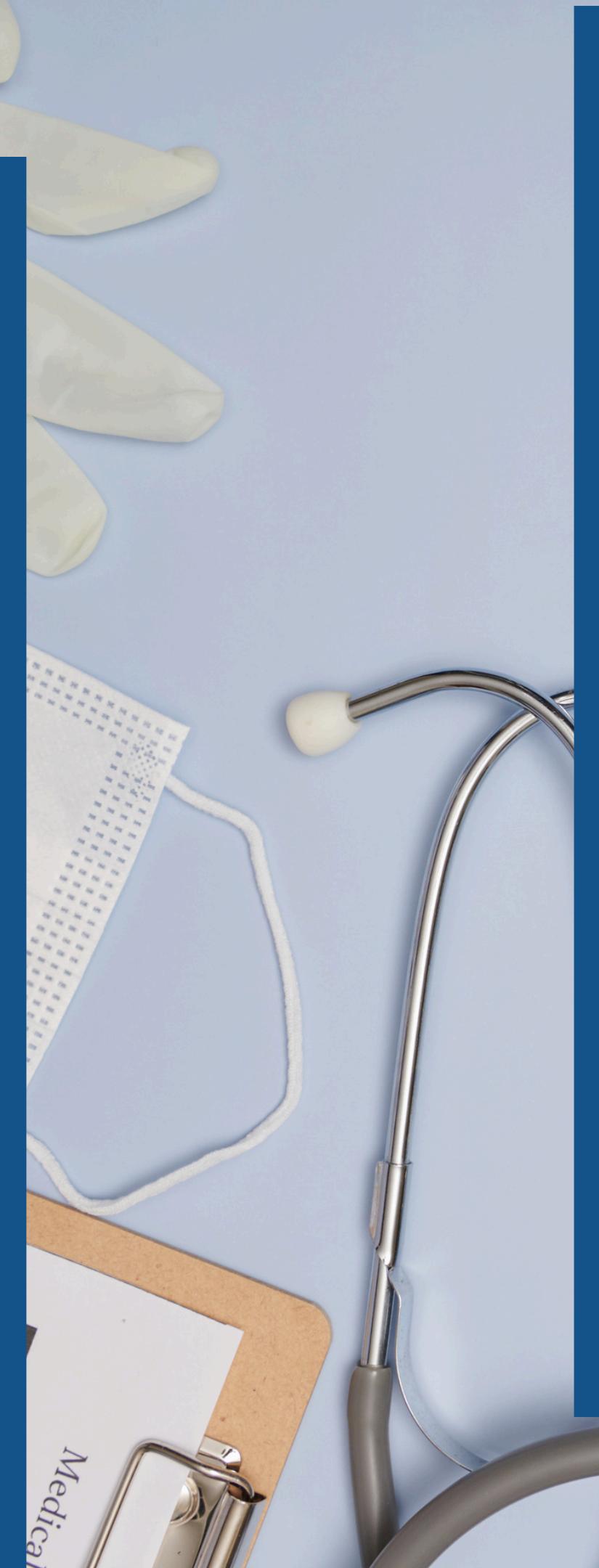
## PATIENT

1. Patients will have the option to either log in to their existing accounts or sign up for new accounts.
2. Once logged in, patients can book appointments with available doctors, view their prescriptions, and update their profile details.

# CONCLUSION

In conclusion, the Doctor Appointment System Project represents a significant step forward in streamlining healthcare services. By prioritizing the needs of both patients and doctors, we've developed a platform for appointment scheduling, prescription management, schedule management and user profile maintenance. Our project aims at ensuring that we deliver a user-friendly and reliable product that places the needs of the patients and doctor above all else. With our project, we aim to contribute to a healthier future by enhancing healthcare accessibility, making a positive impact on the world.





## REFERENCES

*Build software better, together.* GitHub. (n.d.).  
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*Build software better, together.* GitHub. (n.d.-a).  
<https://github.com/topics/doctor-appointment-management>

Project-Based-Learning-IT. (n.d.). *Project-based-learning-it/healthcare-appointment-scheduling-app:* • *this is a patient doctor appointment booking WebApp. patient signs in using google account and doctor needs to register prior in the system to login.* • *patient can book appointment in slot and calendar event with meeting link will be created.* • *it also has feedback, JWT authentication and payment feature.* • *tech stack: React.js, node.js, Express.js, mongodb, trie.* GitHub.  
<https://github.com/Project-Based-Learning-IT/healthcare-appointment-scheduling-app>