



TEAM ERRORISTS

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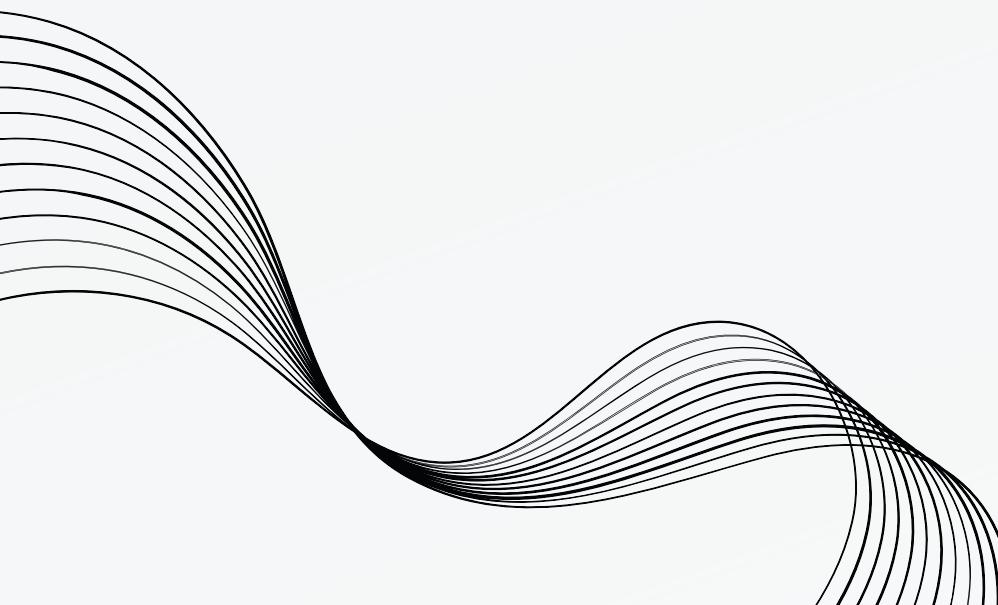
FUTURE ENHANCEMENTS

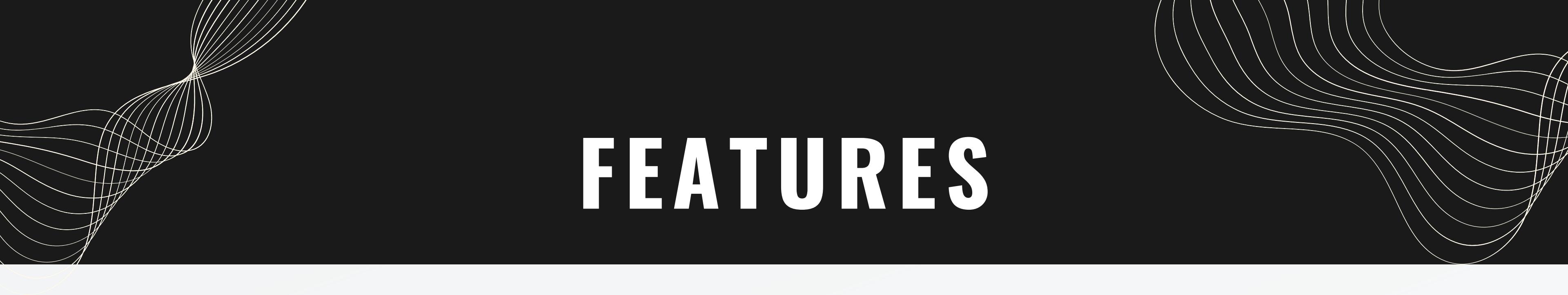
ABOUT US

- Yash
- Ajay
- Soham

- Mansoor
- Rhutuj
- Sayantika

- Srija
- Kishan
- Devansh





FEATURES

- **User Features**

- Patient Registration: Users can register new patients in the system.
- Appointment Booking: Users can book appointments for patients with doctors.
- Doctor's Schedule Validation: Appointments are bookable only if the doctor is available as per their schedule.

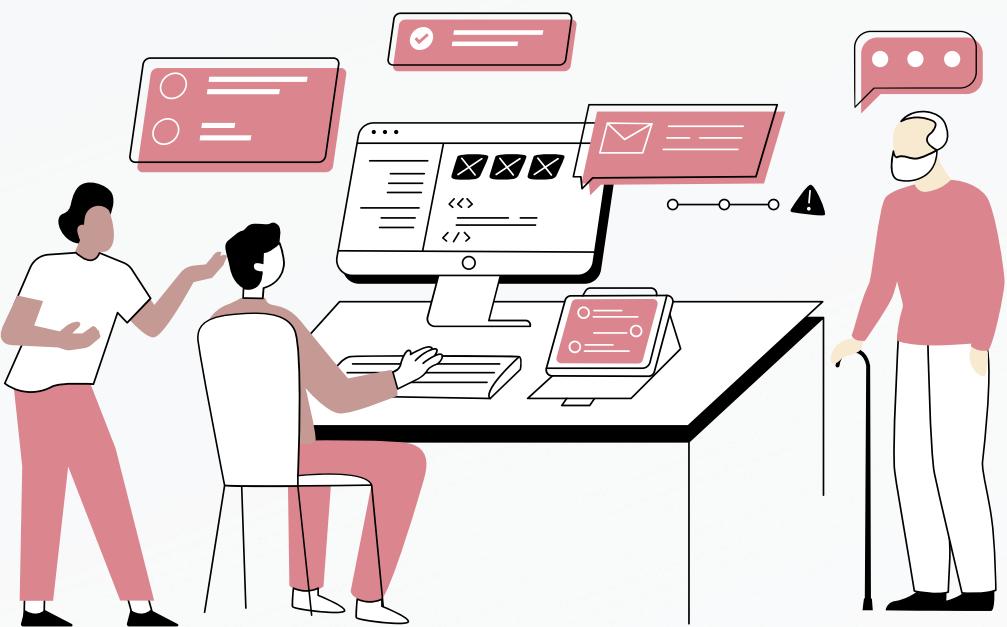
- **Admin Functions**

- Pre-Created Admin Account: Admin accounts are created in advance and loaded into the system.
- Doctor Registration: Admins can register doctors within the system.
- Manage Doctor's Schedule: Admins have the ability to view, update, and cancel appointments based on doctor schedules.
- Doctor Management: Admins can update or remove doctor's details from the system.
- Reports Generation: Admins can generate reports on doctors, appointments, and patients for analysis.

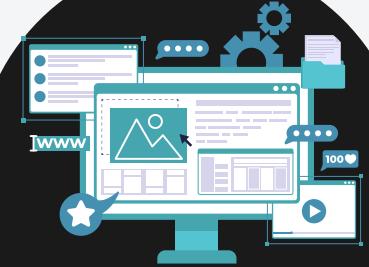
FEATURES

- **Doctor Functions**

- Schedule Setup: Doctors are required to set up their availability schedule every 3 days.
- Update Schedule: Doctors can adjust their schedule and mark periods of unavailability.
- Manage Appointments: Doctors can view and cancel appointments as well as manage them by suggesting medications and recommending tests.



TOOLS



HTML
CSS
JAVA SCRIPT
TAILWIND
CSS

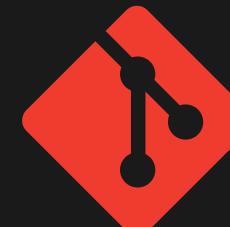
FRONTEND



MYSQL
DATABASES

JAVA

BACKEND



GITHUB

COLLABORATION

UI SNAPSHOT



LOGIN PAGE

HOME PAGE

Hello Yash Pande

Welcome to

Hospital Management System

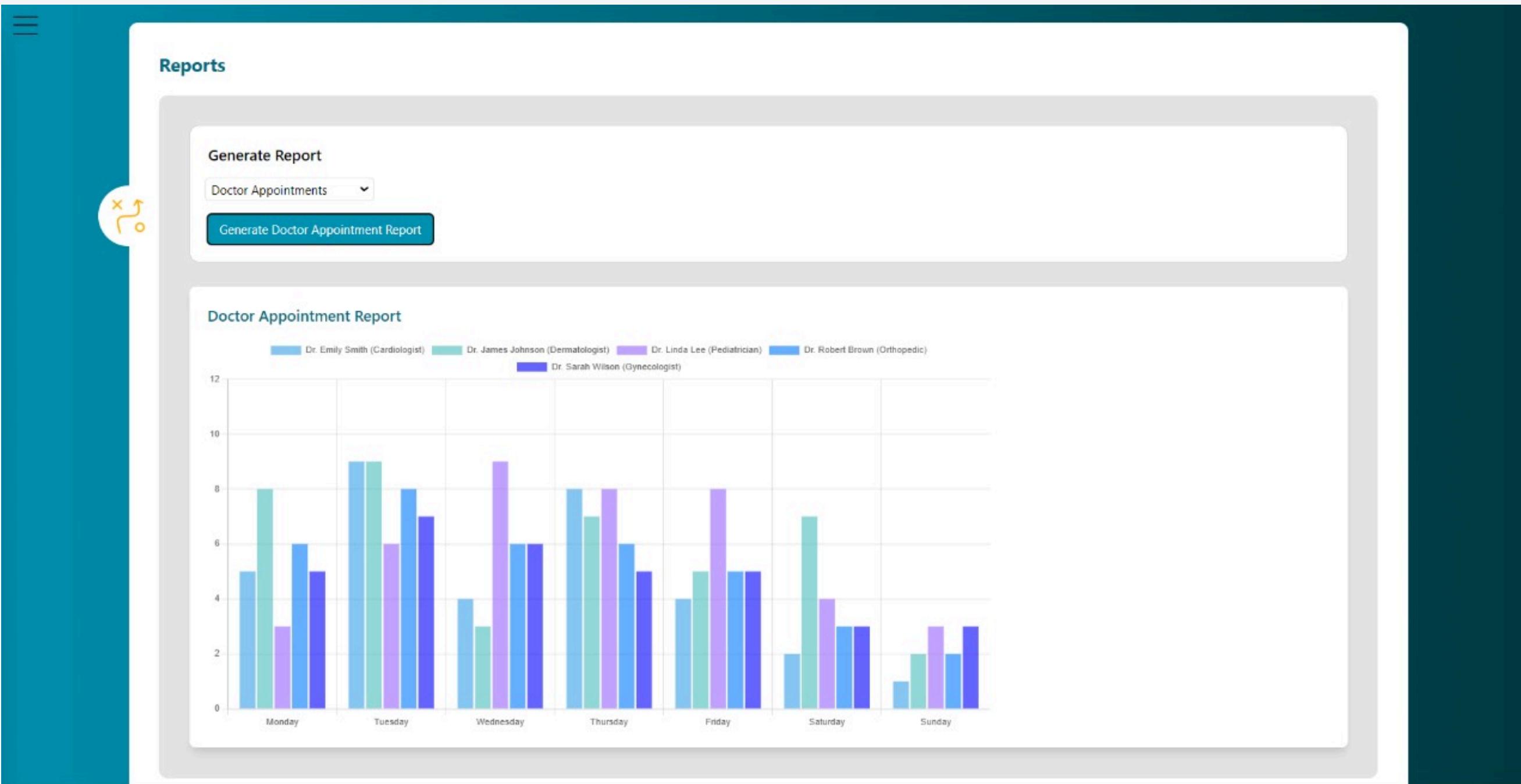
As a Admin, you can Manage Doctor Appointments, Manage Users, See All Patient Data and Generate Reports as well...

[Explore](#)

[Log Out](#)



REPORTS PAGE



SUGGEST MEDICINE

Suggest Medicine

Patient Information

Patient Name

Select Patient

Patient Details

Patient details will be displayed here...

Prescription Form

Medicine Name

Enter medicine name

Dosage

Enter dosage (e.g., 500 mg)

Frequency

Once Daily

Duration

Enter duration (e.g., 7 days)

Additional Instructions

Enter special instructions

Add Medication

DOCTOR'S SCHEDULE

Doctor Schedule

Doctor Name
Dr. Smith

Select Date
25-08-2024

Check Schedule

Doctor: Dr. Smith
Date: 2024-08-25
Specialization: General

Appointments:

- No appointments booked.

APPOINTMENT TABLE

	appointment_id	patient_id	doctor_id	appointment_date	appointment_time	status
▶	1	1	1	2024-08-26	09:00:00	1
	2	2	2	2024-08-26	10:30:00	1
	3	3	3	2024-08-27	11:00:00	0
	4	4	1	2024-08-27	14:00:00	1
	5	5	2	2024-08-28	15:30:00	0
	6	1	3	2024-08-28	16:00:00	1
	7	2	1	2024-08-29	09:30:00	1
	8	3	2	2024-08-29	11:30:00	0
	9	4	3	2024-08-30	10:00:00	1
	10	5	1	2024-08-30	14:30:00	1
*	NULL	NULL	NULL	NULL	NULL	NULL

	doctor_id	person_id	specialization	qualification
▶	1	3	Cardiology	MD, FACC
	2	8	Endocrinology	MD, PhD
	3	13	Pulmonology	MD, FCCP
*	NULL	NULL	NULL	NULL

DOCTOR TABLE

SCHEDULE TABLE

	schedule_id	doctor_id	date	start_time	end_time	availability
▶	1	1	2024-08-26	08:00:00	17:00:00	1
	2	2	2024-08-26	09:00:00	18:00:00	1
	3	3	2024-08-27	08:30:00	16:30:00	1
	4	1	2024-08-27	08:00:00	17:00:00	1
	5	2	2024-08-28	09:00:00	18:00:00	1
	6	3	2024-08-28	08:30:00	16:30:00	1
	7	1	2024-08-29	08:00:00	17:00:00	1
	8	2	2024-08-29	09:00:00	18:00:00	1
	9	3	2024-08-30	08:30:00	16:30:00	1



OUR LEARNINGS

- Developed a strong understanding of HTML, focusing on creating a well-structured and semantic layout for the doctor section, including appointment views, prescription forms, and test suggestions.
- Encountered and resolved various bugs, such as the one related to JavaScript not running after navigating through pages. This has strengthened your problem-solving skills and debugging abilities.
- Gained substantial experience in database integration and management, including designing schemas, writing SQL queries, and handling data relationships. Implementing DAO patterns enhanced code organization and maintainability by separating database access logic.
- Learned error handling by managing SQLExceptions and other potential issues, ensuring backend operations. Unit testing practices were strengthened through the use of mocking frameworks, improving the reliability and coverage of tests.

FUTURE ENHANCEMENTS

Integration with
Telemedicine and
Online
Consultations

Automated
Notification and
Reminder
System

Patient Portal
for Self-
Management



THANK YOU

