MYDOC

A Project Report for Industrial Training and Internship

submitted by

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In the partial fulfillment of the award of the degree of

B. Tech

in the

Department of Electronics and Communication Engineering

Of

B. P. Poddar Institute of Management and Technology

At

Ardent Computech Pvt. Ltd.

CERTIFICATE FROM SUPERVISOR

This is to certify that **Tiasa Mahanty, Ritam Chakraborty, Swagnik Ghosh, Oindrilla Mishra, 11500322044, 11500322042, 11500322038, 11500322050** have completed the project titled MyDoc under my supervision during the period from 4/7/25 to 16/8/25 which is in partial fulfillment of requirements for the award of the **B. Tech** degree and submitted to the Department of **B. Tech (ECE)** of **B.P.Poddar Institute of Management and Technology** .

_____

Signature of the Supervisor

Date: 17/08/25

Name of the Project Supervisor:

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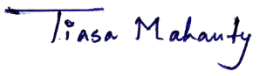
BONAFIDE CERTIFICATE

Certified that this project work was carried out under my supervision

MyDoc is the bonafide work of

Name of the student: Tiasa Mahanty ***Signature:*** 

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Name :

PROJECT MENTOR

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Name:

EXAMINERS

Ardent Original Seal

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ACKNOWLEDGEMENT

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1. COMPANY PROFILE

ARDENT (Ardent Computech Pvt. Ltd.), formerly known as Ardent Computech Private Limited, is an ISO 9001:2015 certified Software Development and Training Company based in India. Operating independently since 2003, the organization has recently undergone a strategic merger with ARDENT Technologies, enhancing its global outreach and service offerings.

ARDENT Technologies

ARDENT Technologies delivers high-end IT services across the UK, USA, Canada, and India. Its core competencies lie in the development of customized application software, encompassing end-to-end solutions including system analysis, design, development, implementation, and training. The company also provides expert consultancy and electronic security solutions. Its clientele spans educational institutions, entertainment companies, resorts, theme parks, the service industry, telecom operators, media, and diverse business sectors.

ARDENT Collaborations

ARDENT Collaborations, the Research, Training, and Development division of ARDENT (Ardent Computech Pvt. Ltd.), offers professional IT-enabled services and industrial training programs. These are tailored for freshers and professionals from B.Tech, M.Tech, MBA, MCA, BCA, and MSc backgrounds. ARDENT (Ardent Computech Pvt. Ltd.) provides Summer Training, Winter Training, and Industrial Training to eligible candidates. High-performing students may qualify for stipends, scholarships, and additional benefits based on performance and mentor recommendations.

Associations and Accreditations

ARDENT (Ardent Computech Pvt. Ltd.**)** is affiliated with the National Council of Vocational Training (NCVT) under the Directorate General of Employment & Training (DGET), Ministry of Labour & Employment, Government of India. The institution upholds strict quality standards under ISO 9001:2015 certification and is dedicated to bridging the gap between academic knowledge and industry skills through innovative training programs.

2. INTRODUCTION

In today's healthcare system, accessibility, speed, and efficiency play a key role in keeping patients happy and ensuring effective medical services. Traditional appointment booking methods, like walk-ins and phone reservations, often lead to long waits, scheduling issues, and limited communication between patients and healthcare providers. These problems show the need for tech-based solutions for scheduling appointments and interacting with doctors.

MyDoc, the Doctor Appointment Booking System, is a full-stack MERN application that connects patients and healthcare professionals. The platform allows patients to register, search for doctors by specialty and location, see available consultation slots in real-time, and book appointments easily.

The system has three main user roles: Admin, Doctor, and Patient, each with its own dashboard and permissions. Patients can manage their health records and appointment histories, doctors can handle their schedules and patient consultations, and admins can oversee user management, appointments, and payment processing.

With built-in payment gateways, automated reminders, real-time notifications, and secure medical data storage, MyDoc aims to make healthcare services more accessible, efficient, and easy to use. The platform is responsive, works on various devices, and provides a solid foundation for future features like AI-based doctor recommendations and support for multiple languages.

2A.OBJECTIVE

The main objectives of the MyDoc Doctor Appointment Booking System is to create a centralized, secure, and user-friendly platform that simplifies the process of scheduling, managing, and conducting medical consultations.

- Allows patients to search for doctors and book appointments online.
- Enables doctors to manage schedules and consultation slots.
- Supports teleconsultations via secure video calls and chat.
- Maintains patient medical history, prescriptions, and reports.
- Integrates online payment for consultation fees.
- Sends automated reminders and notifications.
- Ensures data privacy through encryption and role-based access.
- Provides dedicated dashboards for Admin, Doctor, and Patient.

2B.SCOPE

Our project aims to create a mobile or web application that links patients with doctors through a central platform. This will allow for online appointment booking, teleconsultations, and secure management of medical records. The system is built to serve patients of all ages and healthcare needs, as well as doctors from different specialties and practice settings.

The scope of the MyDoc – Doctor Appointment Booking System includes:

1. **User Registration & Authentication** – Secure sign-up/login for patients, doctors, and admins with optional social media integration.

2. **Doctor Profiles & Search** – Detailed doctor information with search and filter options by specialty, location, availability, and ratings.

3. **Appointment Booking & Slot Management** – Real-time slot viewing, booking, rescheduling, and cancellation.

4. **Medical Records** – Secure storage and access to patient history, reports.

5. **Payment Integration** – Multiple online payment options with invoice generation.

6. **Admin Dashboard** – User and appointment management, reports, and statistics.

7. **Cross-Platform Access** – Responsive design accessible via web, mobile.

3. SYSTEM ANALYSIS

3A.IDENTIFICATION OF NEED

The development of the **MyDoc Doctor Appointment Booking System** addresses the growing demand for efficient, accessible, and secure healthcare services in the digital era. Traditional appointment booking often involves physical visits or lengthy phone calls, leading to patient inconvenience, scheduling conflicts, and administrative inefficiencies.

With the rapid adoption of smartphones, reliable internet access, and increased familiarity with online platforms, there is a clear need for a **centralized healthcare booking solution** that caters to both **patients** and **doctors** while ensuring **data security and ease of use**.

Key Needs Identified:

1. **Accessibility to Healthcare:**
    - Patients in rural or remote areas require a way to connect with qualified doctors without traveling long distances.
    - Flexible booking options allow patients to schedule appointments according to their convenience.
2. **Efficient Consultation Management:**
    - Doctors need a reliable system to manage appointment slots and reduce scheduling conflicts.
    - Automated reminders can minimize no-shows and improve time management.
3. **Secure Medical Record Handling:**
    - Centralized storage of patient history, and reports facilitates better treatment decisions.

3B. FEASIBILITY STUDY

A feasibility study was conducted to check whether the MyDoc – Doctor Appointment Booking System can be developed successfully and used effectively.

From a technical point of view, the system is built using the MERN stack; MongoDB, Express.js, React.js with Vite, and Node.js, which provides speed, flexibility, and the ability to handle many users at the same time. Security is maintained through JWT authentication for safe logins. For payments, trusted gateways like Razorpay and Stripe are included.

From an economic perspective, the cost of development is low because open-source technologies are used. The system also has opportunities to earn revenue through consultation fees, and premium services.

From an operational perspective, the design is simple and user-friendly, so patients, doctors, and administrators can use it easily. Automated processes help reduce manual work and save time.

3C.WORKFLOW

This document plays a vital role in the Software Development Life Cycle (SDLC) as it outlines the complete workflow and methodology used for developing the MyDoc – Doctor Appointment Booking System. It serves as a reference for the development team and is essential during the testing phase. Any future changes to the workflow or requirements will follow a formal change approval process.

The Waterfall Model was the first process model introduced in software engineering, also referred to as a linear-sequential life cycle model. It is simple to understand and use. In this model, each phase must be completed before moving to the next, with no overlapping phases. The Waterfall Model illustrates the software development process in a linear sequential flow, meaning a phase begins only after the previous phase is completed.

Waterfall Model Design:
The Waterfall approach was one of the earliest and most widely used SDLC models. In this approach, the software development process is divided into distinct phases, where the output of one phase serves as the input for the next.

Iterative Waterfall Design:
The Iterative Waterfall Model is a variation of the traditional Waterfall Model. It follows the same linear and sequential approach but introduces flexibility by allowing phases to be revisited and refined before moving forward. This combination of structure and adaptability ensures that feedback can be incorporated without restarting the entire process.

The sequential phases in the Iterative Waterfall Model for MyDoc are:

Requirement Gathering and Analysis: Gathering complete details from stakeholders (patients, doctors, admins) about system needs such as appointment booking, teleconsultations, payments, and medical record storage. These are documented in the requirement specification document.

System Design: Using the documented requirements to create the system's architecture, database schema, and user interface layouts. This stage defines both hardware and software requirements.

Implementation: Developing the system in smaller modules such as registration, slot booking, and payment processing. Each module is tested individually (unit testing).

Integration and Testing: Integrating all modules into the complete system and testing for errors, performance, and compliance with requirements.

Deployment of the System: Once testing is complete, the system is deployed for real-world use via the web and mobile platforms.

Maintenance: Fixing bugs, releasing patches, and adding new features based on feedback and evolving

healthcare needs.

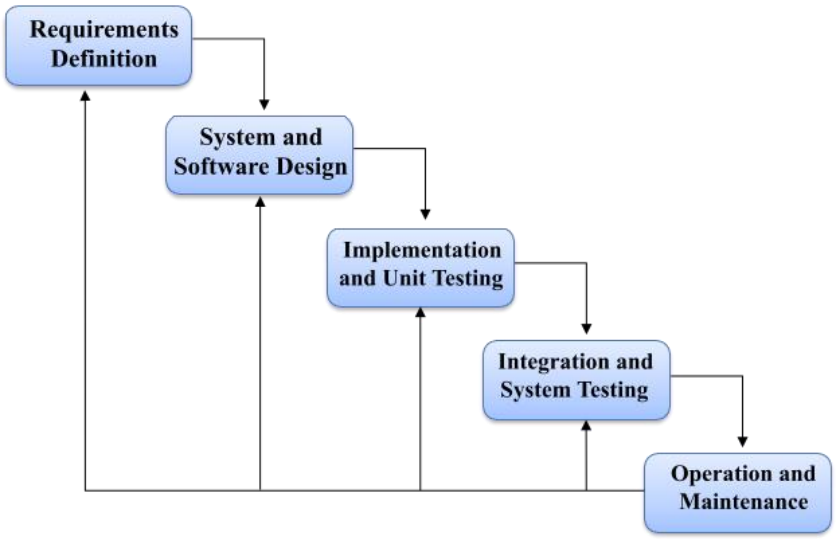
In this model, the phases are sequential but can be revisited in later iterations to make improvements, hence the term “Iterative Waterfall Model.”

- **Advantages:**

1. Flexibility: Iterations allow changes based on feedback.
2. Early Delivery: Core features can be released in stages for testing and feedback.
3. Risk Management: Problems can be identified and resolved early.

- **Disadvantages:**

1. Increased Complexity: Iterations add more steps to the process.
2. Potential for Scope Creep: Frequent changes may expand the project’s scope.
3. Resource Intensive: Revisiting stages may require additional time and effort.



- **Applications:**

The Iterative Waterfall Model is ideal for projects where requirements may evolve over time and feedback is essential. It is especially suitable for healthcare systems like MyDoc, where user feedback from patients and doctors can significantly improve the platform. Partial delivery of core features allows stakeholders to test functionalities early and suggest enhancements.

3D .STUDY OF THE SYSTEM

Modules: The modules used in this software are as follows:

1. Patient & Doctor Registration Module:

- Patient & Registration: Patients register by providing personal details such as name, email, password.
- Doctor Registration: Doctors registration is done by Admin providing personal details, qualifications, specialties, consultation fees, address, and available timings.

2. Login Module:

- Patient Login: Patients log in to search doctors, book appointments, update their profile.
- Doctor Login: Doctors log in to manage schedules, accept/reject appointments, and update their profile.
- Admin Login: Admins login to manage appointments, register doctors and databases.

3. Appointment Management Module:

- Patient Interface:
    - Search and filter doctors by name & specialty.
    - Book cancel appointments.
    - View appointment history and upcoming schedules.

- Doctor Interface:
    - Define and manage available time slots.
    - Accept or reject patient appointment requests,
    - View appointment list, total earnings
    - Update own profile.

4. Payment Module:

- Integrates with payment gateways (Razorpay) for consultation fee payments.
- Generates payment receipts and stores transaction history for both patients and doctors.

5. Admin Module:

- Manage all registered patients and doctors.
- Can register new doctors.
- Monitor appointment statistics, payments, and overall system usage.
- Generate analytical reports for performance tracking

3E.INPUT AND OUTPUT

The main inputs, outputs and the major function the details are:

- ☐ **INPUT:**

1. Users can log in by entering their **credentials** on the login page such as name ,email,password etc.

- ☐ **OUTPUT:**

1. Users can view the **available doctors, their slots ,book their appointments and go to the clinic.**
2. The **admin** can access a **centralized database** that includes **details of doctors, the appointments booked for each doctor, fees transaction etc** ensuring efficient system management.

3F.SOFTWARE REQUIREMENT SPECIFICATIONS

Software Requirements Specification provides an overview of the entire project. It is a description of a software system to be developed, laying out functional and non-functional requirements. The software requirements specification document enlists enough necessary requirements that are required for the project development. To derive the requirements we need to have a clear and thorough understanding of the project to be developed. This is prepared after detailed communication with the project team and the customer.

The developer is responsible for:

- Developing the system, which meets the SRS and solves all the requirements of the system.
- Demonstrating the system and installing the system at the client's location after acceptance testing is successful.
- Submitting the required user manual describing the system interfaces to work on it and also the documents of the system.

Functional Requirements:

A. **User Registration and Authentication:**
   1. Patients should be able to login securely.
   2. The system should authenticate the patients and manage login sessions.

B. **Appointment Booking System:**
   1. This allows doctors to define and manage available time slots for consultations.
   2. Doctors can accept or reject appointment request.

.

C. **Doctor and Clinic Management:**
   1. This will create detailed profiles for healthcare providers including specialities, qualifications, experience, consultation fees and availability.
   2. Displays reviews, ratings and patients feedback to aid in doctor selection .
   3. Allow search and filter of doctors by speciality, location, availability, language and rating.

Hardware Requirements:

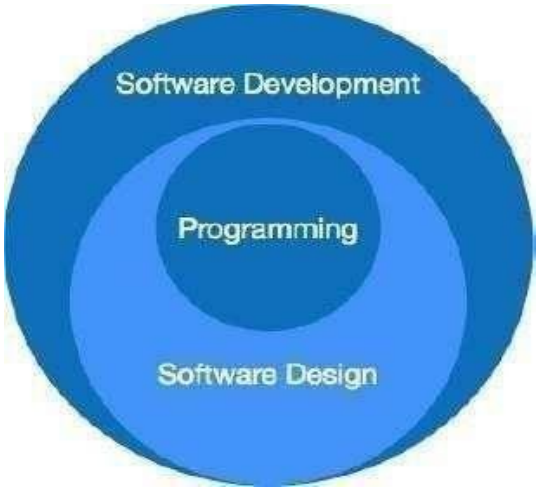
1 . Computer has Intel I3 Processor 2 .
8 GB RAM
4. SSD-ROM Drive

Software Requirements:

1. Windows 11 OS
2. Visual Studio Code
   3.Mongo DB Atlas

3G.SOFTWARE ENGINEERING PARADIGM APPLIED

Software paradigms refer to the methods and steps, which are taken while designing the software. There are many methods proposed and are in work today, but we need to see where in software engineering these paradigms stand. These can be combined into various categories, though each of them is contained in one another.



The programming paradigm is a subset of Software design paradigm which is further a subset of the Software development paradigm.

There are two levels of reliability. The first is meeting the right requirements. A careful and thorough systems study is needed to satisfy this aspect of reliability. The second level of systems reliability involves the actual work delivered to the user. At this level, the system's reliability is interwoven with software engineering and development.

There are three approaches to reliability.

1. Error avoidance: Prevents errors from occurring in software.

2.Error detection and correction: In this approach, errors are recognized whenever they are encountered, and correcting the error by the effect of the error of the system does not fail.

3.Error to Clearance: In this approach, errors are recognized whenever they occur, but enables the system to keep running through degraded performance or Applying values that instruct the system to continue process.

4. SYSTEM DESIGN:

4A. DATA FLOW DIAGRAM

A data flow diagram (DFD) is a graphical representation of the "flow" of data through an information system, modeling its process aspects. A DFD is often used as a preliminary step to create an overview of the system, which can later be elaborated.

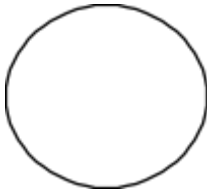
DFD can also be used for the visualization of data processing (structured design). A DFD shows what kind of information will be input to and output from the system, where the data will come from and go to, and where the data will be stored. It does not show information about the timing of the process or information about whether processes will operate in sequence or in parallel (which is shown on a flowchart).

This context-level DFD is next "exploded", to produce a Level 1 DFD that shows some of the detail of the system being modeled. The Level 1 DFD shows how the system is divided into sub- systems (processes), each of which deals with one or more of the data flows to or from an external agent, and which together provide all of the functionality of the system as a whole. It also identifies internal data stores that must be present for the system to do its job and shows the flow of data between the various parts of the system.

Data flow diagrams are one of the three essential perspectives of the structured- systems analysis and design method SSADM. The sponsor of a project and the end users will need to be briefed and consulted throughout all stages of a system's evolution. With a data flow diagram, users can visualize how the system will operate, what the system will accomplish, and how the system will be implemented. The old system's data-flow diagrams can be drawn up and compared with.

How any system is developed can be determined through a data flow diagram model. In the course of developing a set of leveled data flow diagrams, the analyst/designer is forced to address how the system may be decomposed into component sub-systems and to identify the transaction data in the data model. Data flow diagrams can be used in both the Analysis and Design phase of the SDLC. There are different notations to draw data flow diagrams. Defining different visual representations for processes, data stores, data flow, and external entities.

DFD Notation:



Function

File / Database

Input / Output

Flow

DFD Example:

Steps to Construct Data Flow Diagram:

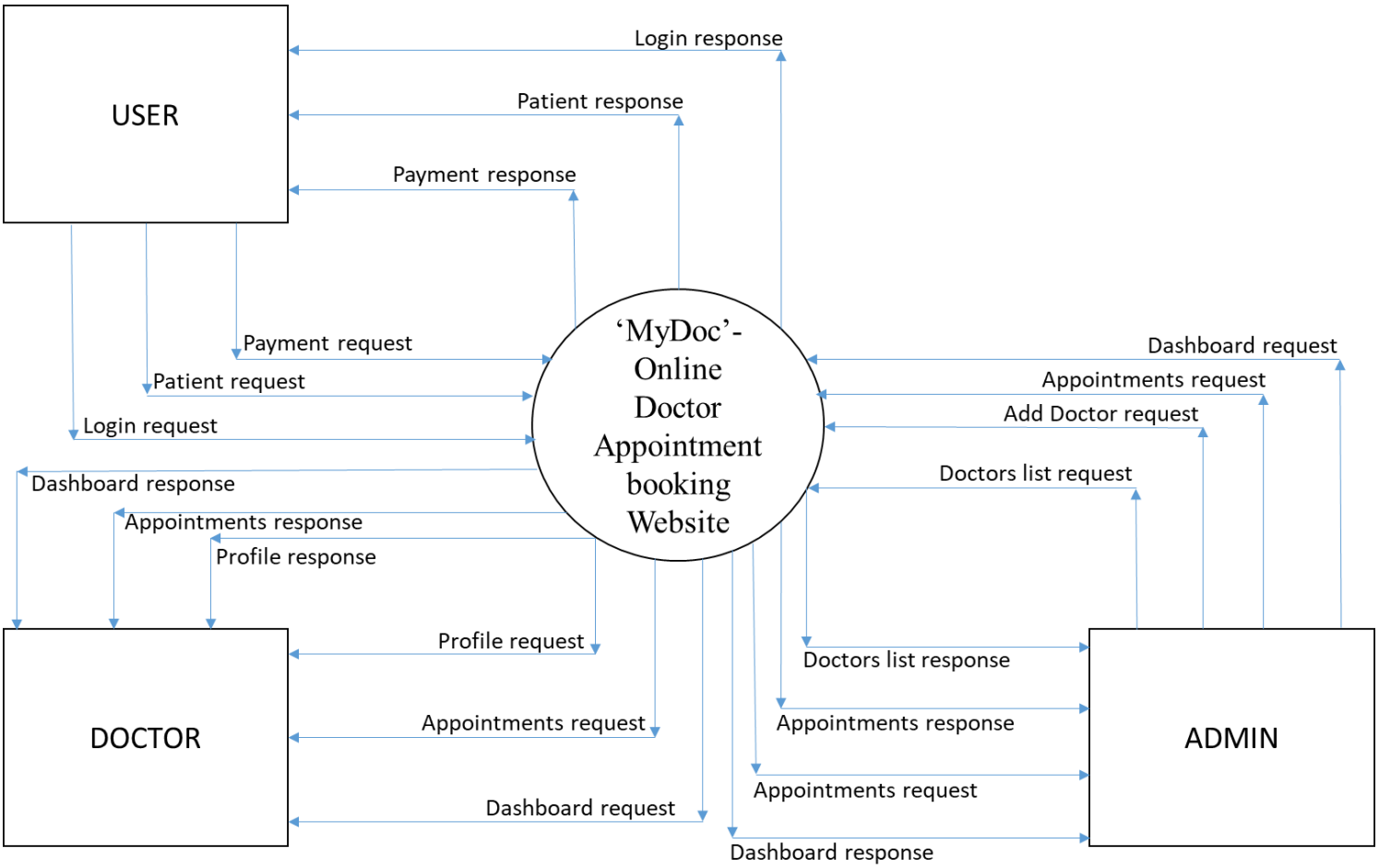
Four Steps are generally used to construct a DFD.

- Processes should be named and referred for easy reference. Each name should be representative of the reference.
- The destination of flow is from top to bottom and from left to right.
- When a process is distributed into lower-level details they are numbered.
- The names of data stores, sources, and destinations are written in capital letters.

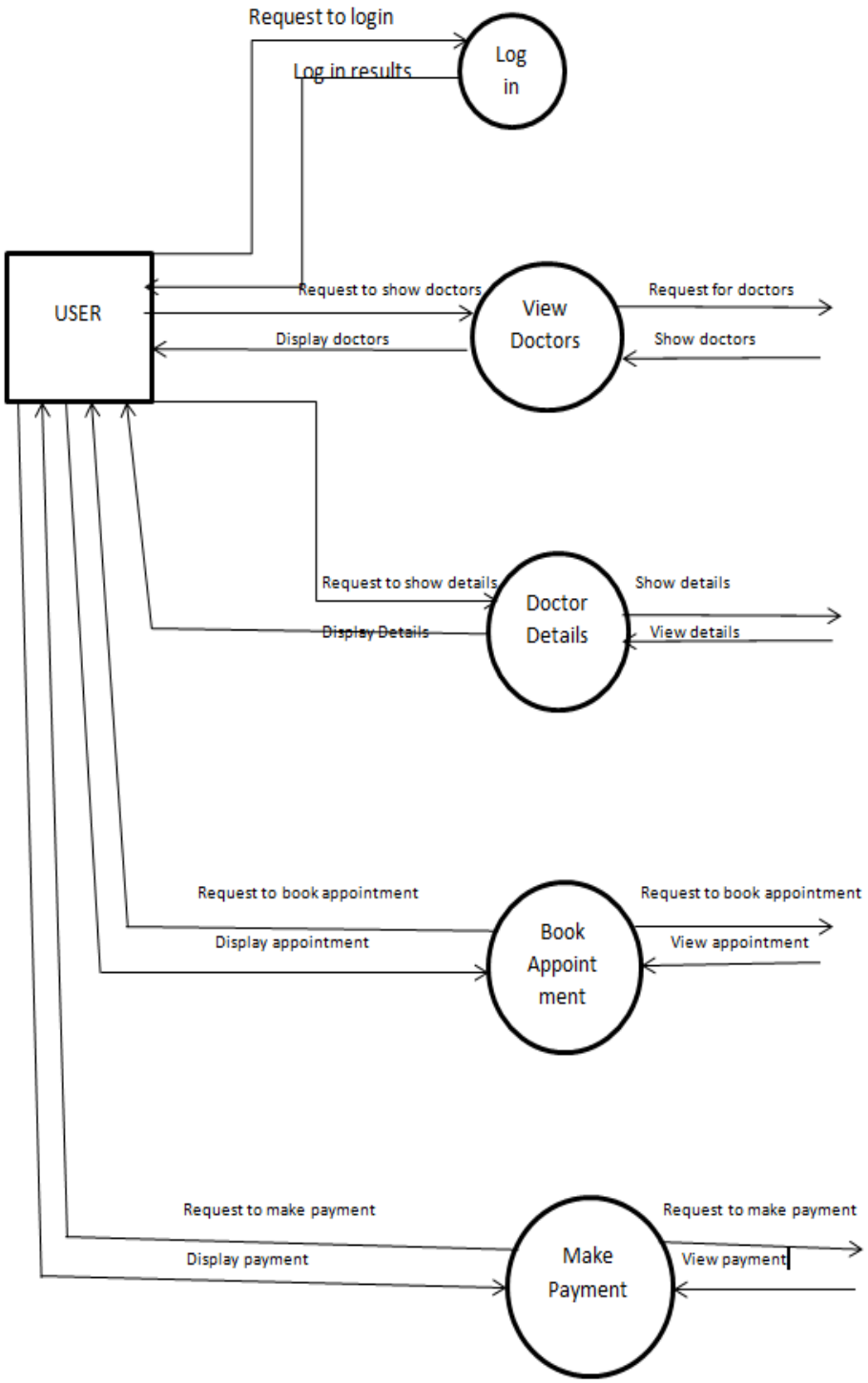
Rules for constructing a Data Flow Diagram:

- □ Arrows should not cross each other.
- □ Squares, Circles, and Files must bear a name.
- □ Decomposed data flow squares and circles can have the same names.
- □ Draw all data flow around the outside of the diagram.

- **LEVEL 0 DFD OR CONTEXT DIAGRAM:**



- **LEVEL 1 DFD:**


Request to login
Log in results
Log in
USER
Request to show doctors
Display doctors
View Doctors
Request for doctors
Show doctors
Request to show details
Display Details
Doctor Details
Show details
View details
Request to book appointment
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Book Appoint ment
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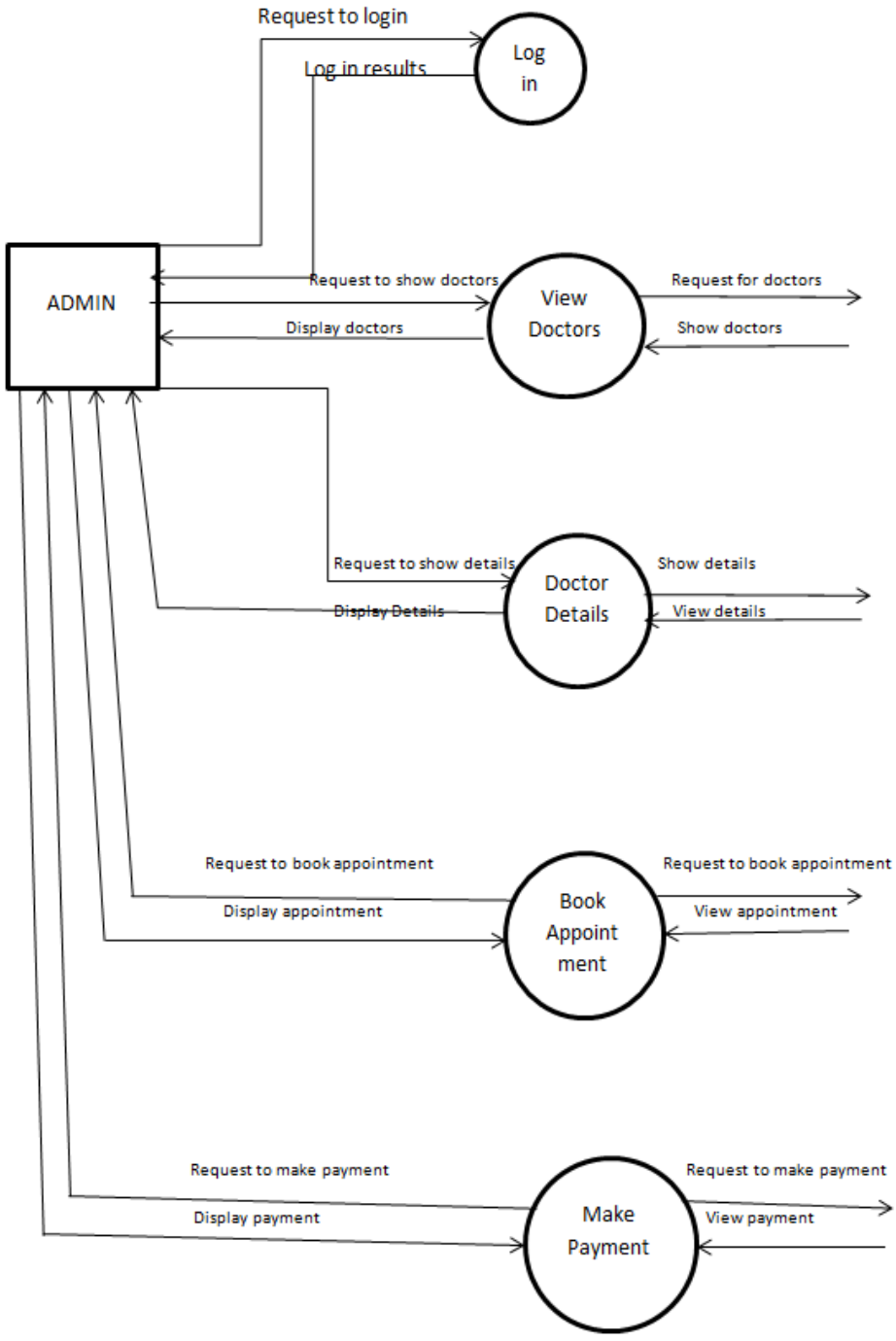
View appointment
Request to make payment
Display payment
Make Payment
Request to make payment
View payment

- **LEVEL 1 DFD:**


Request to login
Log in results
Log in
ADMIN
Request to show doctors
Display doctors
View Doctors
Request for doctors
Show doctors
Request to show details
Display Details
Doctor Details
Show details
View details
Request to book appointment
Display appointment
Book Appoint ment
Request to book appointment
View appointment
Request to make payment
Display payment
Make Payment
Request to make payment
View payment

4B. SEQUENCE DIAGRAM

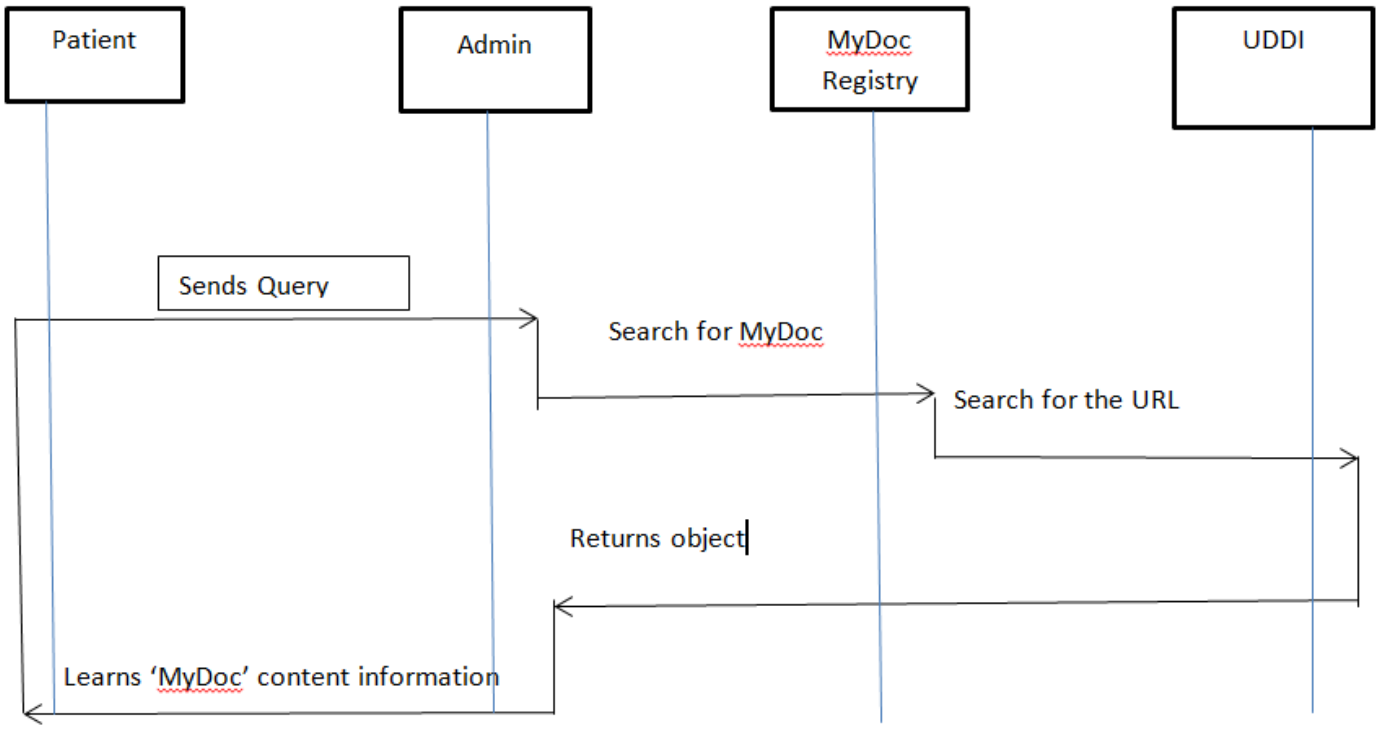
A Sequence diagram is an interaction diagram that shows how processes operate with one another and what is their order. It is a construct of a Message Sequence Chart. A sequence diagram shows object interactions arranged in a time sequence. It depicts the objects and classes involved in the scenario and the sequence of messages exchanged between the objects needed to carry out the functionality of the scenario. Sequence diagrams are typically associated with use case realizations in the Logical View of the system under development.

Sequence diagrams are sometimes called event diagrams or event scenarios.

A sequence diagram shows, as parallel vertical lines (lifelines), different processes or objects that live simultaneously, and, as horizontal arrows, the messages exchanged between them, in the order in which they occur. This allows the specification of simple runtime scenarios in a graphical manner.

A sequence diagram is the most common kind of interaction diagram, which focuses on the message interchange between several life lines .A sequence diagram describes an interaction by focusing on the sequence of messages that are exchanged, along with their corresponding occurrence specifications on the lifelines.

The following nodes and edges are typically drawn in a UML sequence diagram: lifeline, execution specification, message, fragment, interaction, state invariant, continuation, and destruction occurrence.



A Use case diagram at its simplest is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved. A use case diagram can identify the different types of users of a system and the different use cases and will often be accompanied by other types of diagrams as well.

So only static behavior is not sufficient to model a system, rather dynamic behavior is more important than static behavior. In UML there are five diagrams available to model dynamic nature and a use case diagram is one of them. Now as we have to discuss that the use case diagram is dynamic in nature there should be some internal or external factors for making the interaction.

These internal and external agents are known as actors. So, use case diagrams consist of actors, use cases, and their relationships. The diagram is used to model the system/subsystem of an application. A single-use case diagram captures a particular functionality of a system.

So, to model the entire system numbers of use case diagrams are used. The purpose of a use case diagram is to capture the dynamic aspect of a system. But this definition is too generic to describe the purpose.

Because the other four diagrams (activity, sequence, collaboration, and State chart) are also having the same purpose. So, we will look into some specific purpose that will distinguish it from the other four diagrams.

Use case diagrams are used to gather the requirements of a system including internal and external influences. These requirements are mostly design requirements. So, when a system is analyzed to gather its functionalities use cases are prepared and actors are identified.

Now when the initial task is complete use case diagrams are modeled to present the outside view. So, in brief, the purposes of use case diagrams can be as follows:

- ☐ Used to gather requirements of a system.
- ☐ Used to get an outside view of a system.
- ☐ Identify external and internal factors influencing the system.

How to draw a Use Case Diagram?

Use case diagrams are considered for high level requirement analysis of a system. So, when the requirements of a system are analyzed, the functionalities are captured in use cases.

So, we can say that use cases are nothing but the system functionalities written in an organized manner. Now the second thing which is relevant to the use cases are the actors. Actors can be defined as something that interacts with the system.

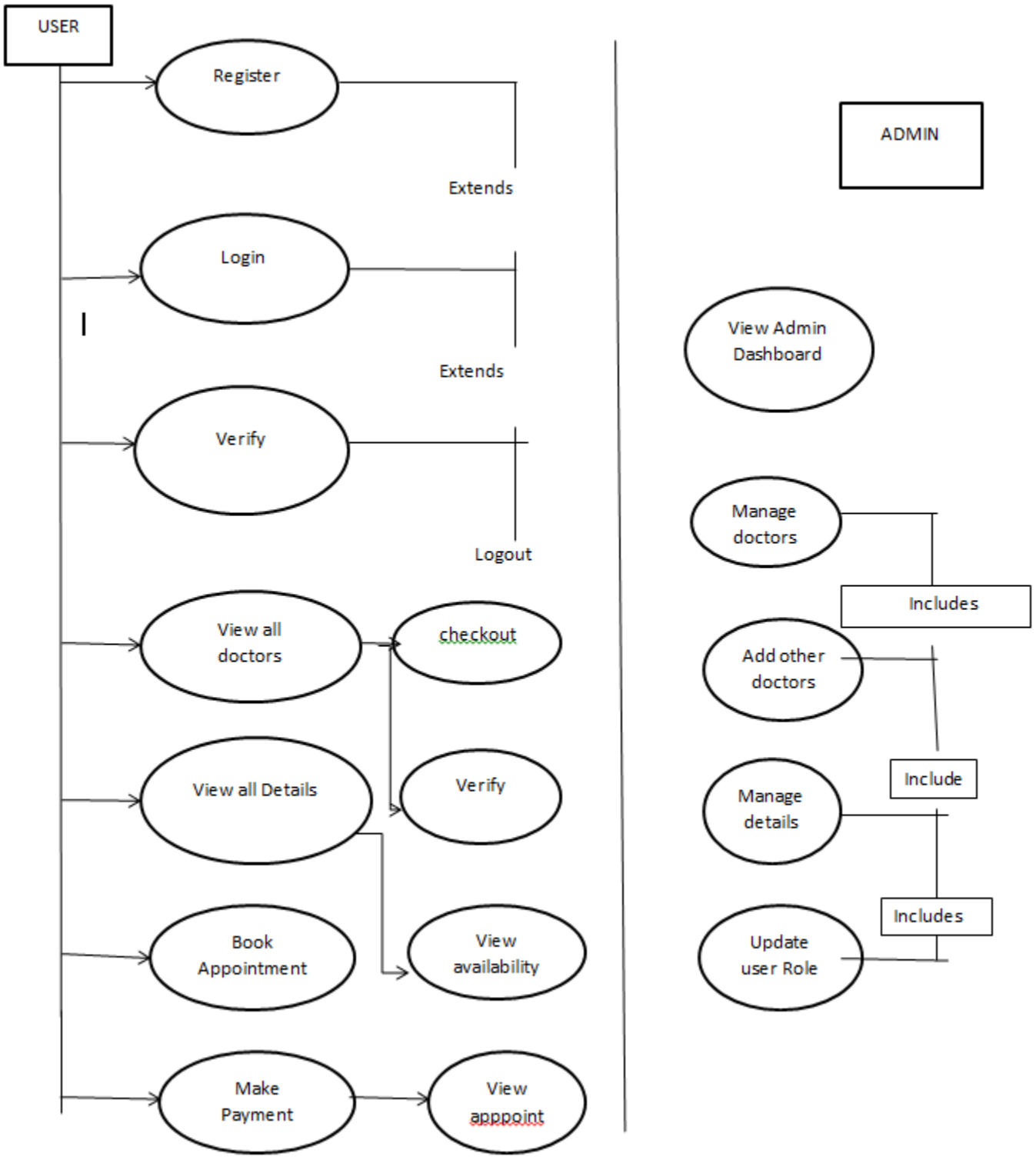
The actors can be human users, some internal applications or may be some external applications. So, in a brief when we are planning to draw a use case diagram, we should have the following items identified.

- ☐ Functionalities to be represented as a use case
- ☐ Actors
- ☐ Relationships among the use cases and actors.

Use case diagrams are drawn to capture the functional requirements of a system. So, after identifying the above items we have to follow the following guidelines to draw an efficient use case diagram.

- ☐ The name of a use case is very important. So, the name should be chosen in such a way so that it can identify the functionalities performed.
- ☐ Give a suitable name for actors.
- ☐ Show relationships and dependencies clearly in the diagram.
- ☐ Do not try to include all types of relationships. Because the main purpose of the diagram is to identify requirements.
- ☐ Use note whenever required to clarify some important point

- **USE CASE DIAGRAM:**

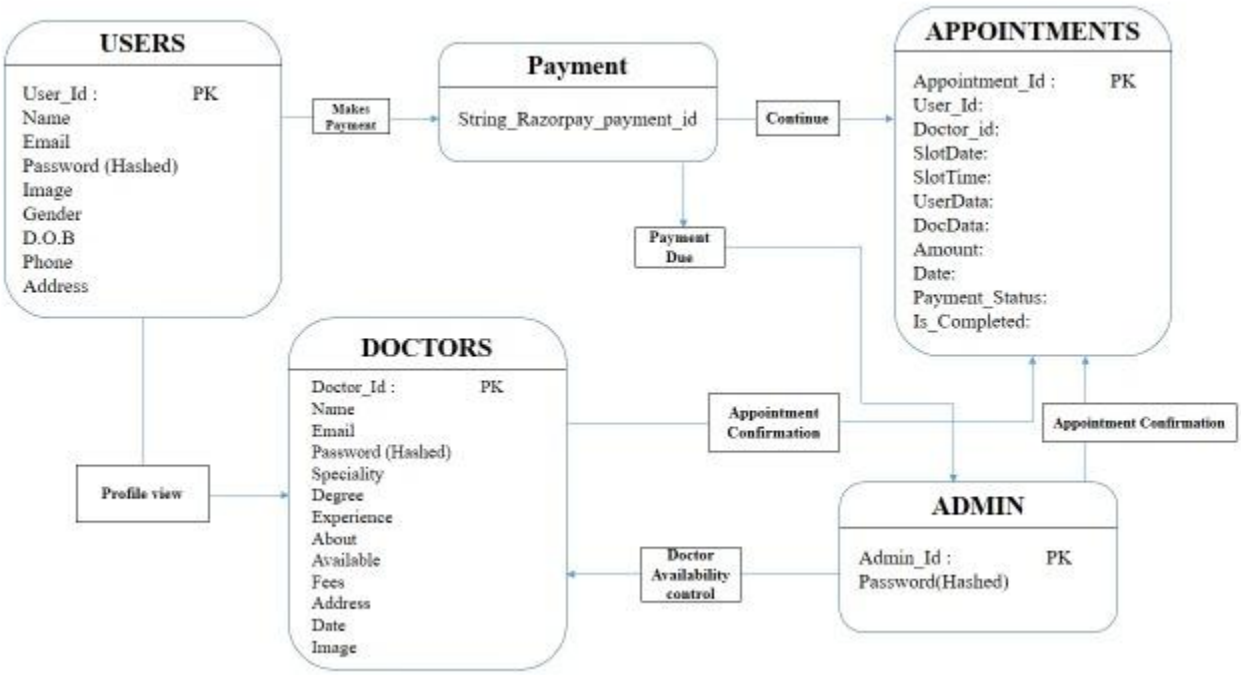


4D. SCHEMA DIAGRAM

The schema is an abstract structure or outline representing the logical view of the database as a whole. Defining categories of data and relationships between those categories, database schema design makes data much easier to retrieve, consume, manipulate, and interpret.

DB schema design organizes data into separate entities, determines how to create relationships between organized entities, and influences the applications of constraints on data. Designers create database schema to give other database users, such as programmers and analysts, a logical understanding of data.

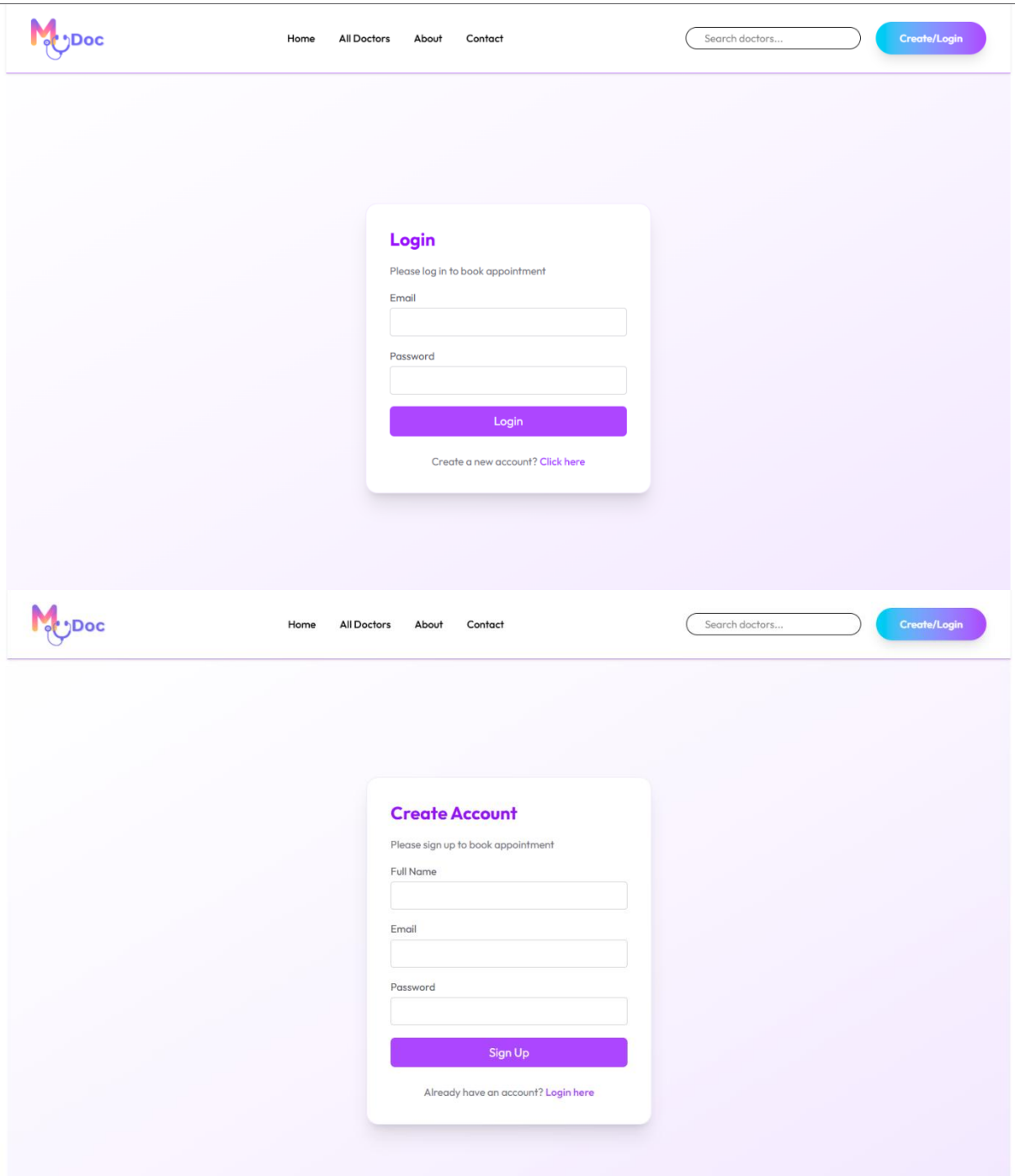
- **SCHEMA DESIGN:**



5. UI SNAPSHOT

❖ **FRONTEND : -**

1) Login & Register Page:



✓ **CODE :**

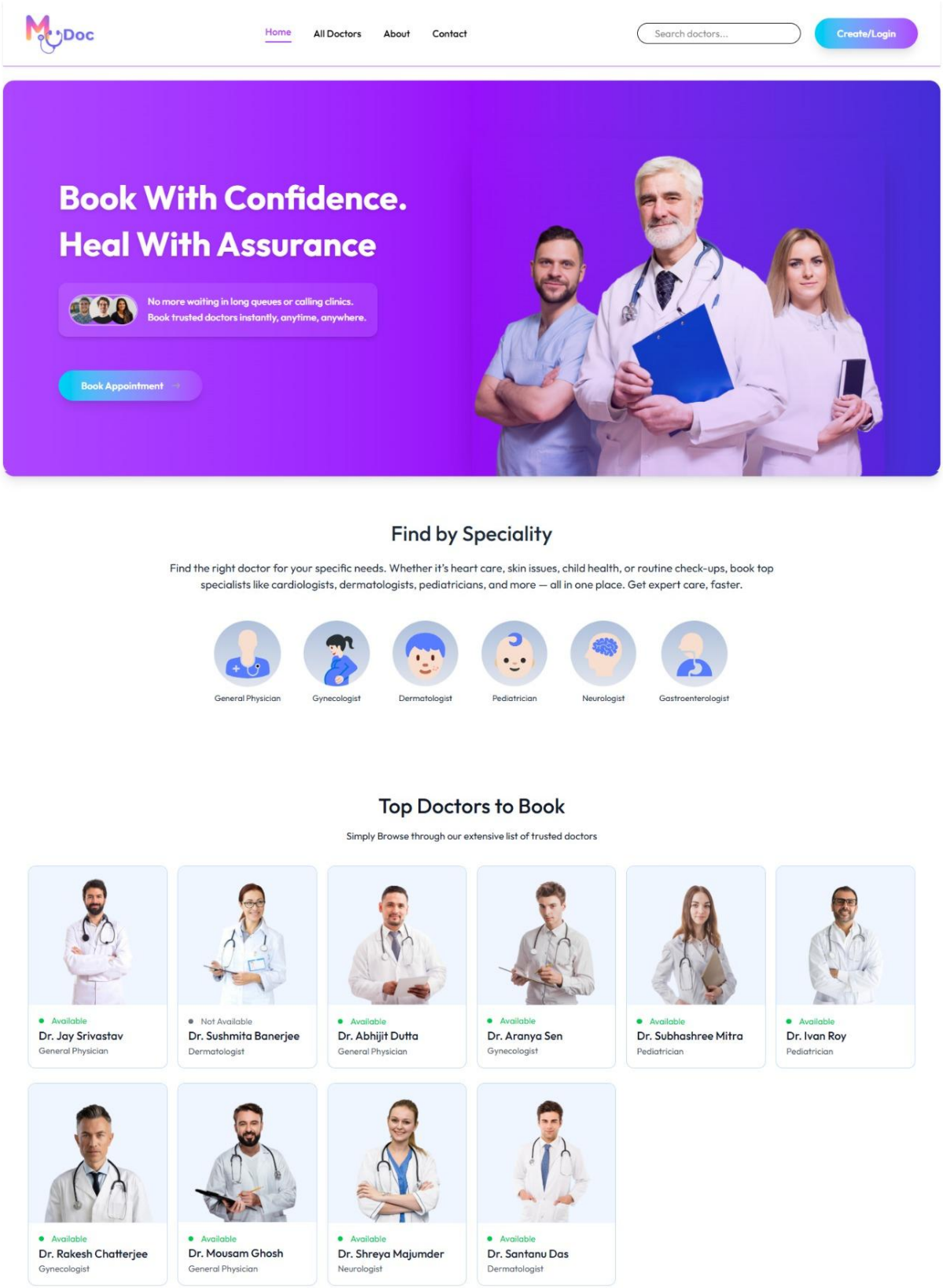
```
import React, { useContext, useEffect, useState } from 'react'
import { AppContext } from '../context/AppContext'
import  axios  from 'axios'
import { toast } from 'react-toastify'
```

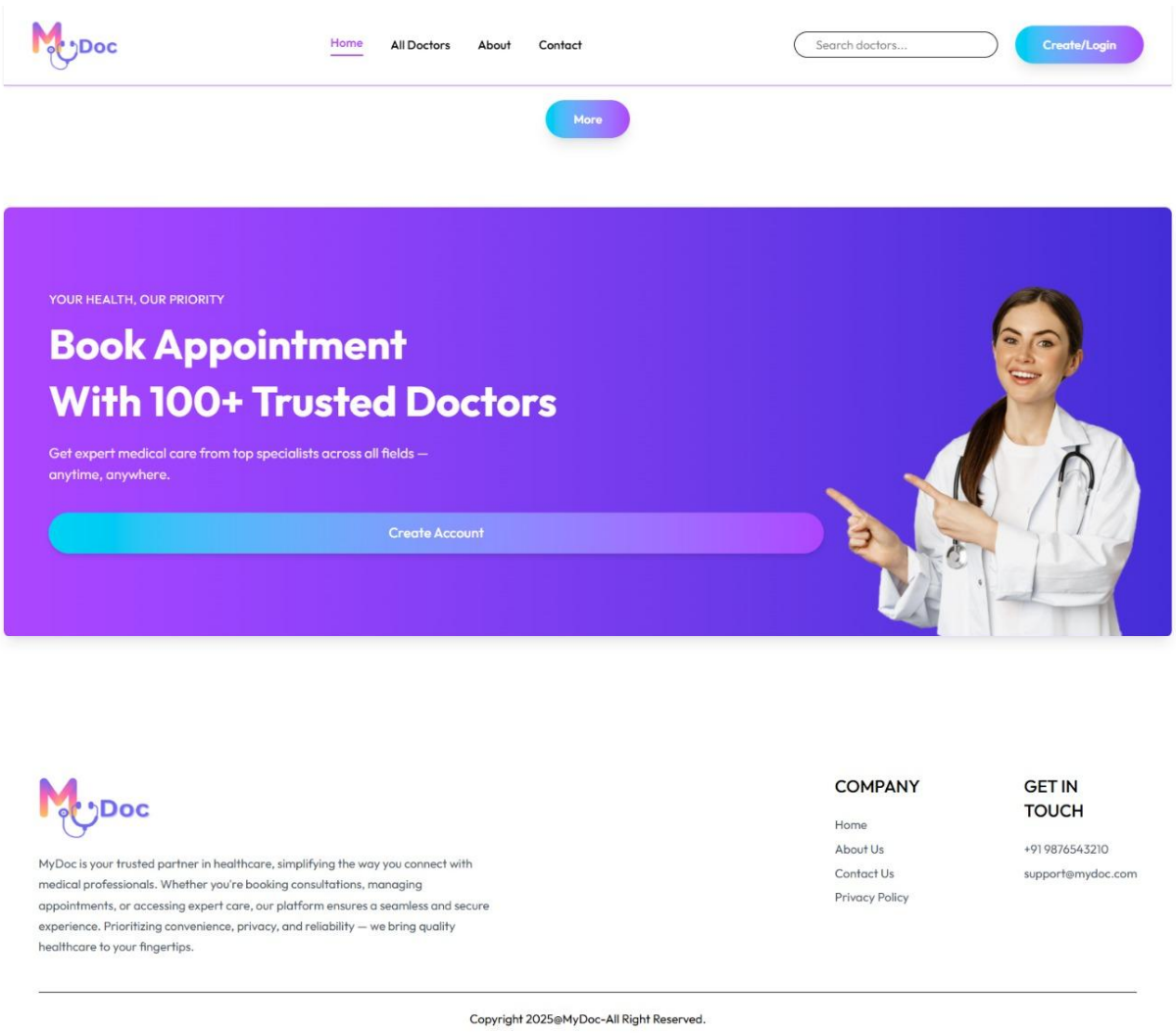
```
import { useNavigate } from 'react-router-dom'

const Login = () => {

  const {backendUrl, token, setToken} = useContext(AppContext)
  const navigate = useNavigate()
  const [state, setState] = useState('Sign Up')
  const [fullName, setFullName] = useState('')
  const [email, setEmail] = useState('')
  const [password, setPassword] = useState('')

  const onSubmitHandler = async (event) => {
     event.preventDefault()

    try {
      if (state === 'Sign Up') {
        const {data} = await axios.post(backendUrl + '/api/user/register', {name
:fullName,password,email})
        console.log(data)
        if (data.success) {
          localStorage.setItem('token',data.token)
          setToken(data.token)
        } else {
          toast.error(data.message)
        }
      } else {
        const {data} = await axios.post(backendUrl + '/api/user/login', {password,email})
        if (data.success) {
          localStorage.setItem('token',data.token)
          setToken(data.token)
        } else {
         toast.error(data.message)
        }
      }
    } catch (error) {
      toast.error(error.message)

    }
    console.log({ fullName, email, password })
  }

  useEffect(()=>{
    if (token) {
      navigate('/')
    }
  },[token])
```

```
  return (
    <div className="min-h-screen flex items-center justify-center bg-gradient-to-br from-
white via-purple-50 to-purple-100">
      <form
        onSubmit={onSubmitHandler}
        className="flex flex-col gap-4 p-8 rounded-2xl shadow-xl bg-white min-w-[340px]
sm:min-w-96 border border-purple-100 text-zinc-600 text-sm"
      >
        <p className="text-2xl font-bold text-purple-600">
          {state === 'Sign Up' ? 'Create Account' : 'Login'}
        </p>
        <p className="text-sm text-zinc-500">
          Please {state === 'Sign Up' ? 'sign up' : 'log in'} to book appointment
        </p>

        {state === 'Sign Up' && (
          <div className="w-full">
            <p>Full Name</p>
            <input
              className="border border-zinc-300 rounded w-full p-2 mt-1 focus:outline-none
focus:ring-1 focus:ring-purple-400"
              type="text"
              onChange={(e) => setFullName(e.target.value)}
              value = {fullName}
              required
            />
          </div>
        )}

        <div className="w-full">
          <p>Email</p>
          <input
            className="border border-zinc-300 rounded w-full p-2 mt-1 focus:outline-none
focus:ring-1 focus:ring-purple-400"
            type="email"
            onChange={(e) => setEmail(e.target.value)}
            value = {email}
            required
          />
        </div>

        <div className="w-full">
          <p>Password</p>
          <input
            className="border border-zinc-300 rounded w-full p-2 mt-1 focus:outline-none
focus:ring-1 focus:ring-purple-400"
```

```
            type="password"
            onChange={(e) => setPassword(e.target.value)}
            value = {password}
            required
          />
        </div>

        <button
          type="submit"
          className="bg-purple-500 hover:bg-purple-600 text-white w-full py-2 rounded-md
text-base transition duration-300"
        >
          {state === 'Sign Up' ? 'Sign Up' : 'Login'}
        </button>

        <div className="text-sm text-center mt-2 text-zinc-500">
          {state === 'Sign Up' ? (
            <p>
              Already have an account?{' '}
              <span
                className="text-purple-500 font-medium cursor-pointer hover:underline"
                onClick={() => setState('Login')}
              >
                Login here
              </span>
            </p>
          ) : (
            <p>
              Create a new account?{' '}
              <span
                className="text-purple-500 font-medium cursor-pointer hover:underline"
                onClick={() => setState('Sign Up')}
              >
                Click here
              </span>
            </p>
          )}
        </div>
      </form>
    </div>
  )
}
```

2) MYDOC MAIN PAGE (user):





✓ **CODE :**

```
<!doctype html>
<html lang="en" class="scroll-smooth">
  <head>
    <meta charset="UTF-8" />
    <link rel="icon" type="image/svg+xml" href="/vite.svg" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>MyDoc</title>
  </head>
  <body>
    <div id="root"></div>
    <script src="https://checkout.razorpay.com/v1/checkout.js"></script>
```

```
    <script type="module" src="/src/main.jsx"></script>
  </body>
</html>
```

Main.jsx code :-

```
import { StrictMode } from 'react'
import { createRoot } from 'react-dom/client'
import './index.css'
import App from './App.jsx'
import {BrowserRouter} from 'react-router-dom'
import AppContextProvider from './context/AppContext.jsx'

createRoot(document.getElementById('root')).render(
  <StrictMode>
  <BrowserRouter>
  <AppContextProvider>
    <App />
  </AppContextProvider>
  </BrowserRouter>
  </StrictMode>
)
```

Home.jsx code :-

```
import Banner from "../components/Banner"
import Footer from "../components/Footer"
import Header from "../components/Header"
import SpecialityMenu from "../components/SpecialityMenu"
import TopDoctors from "../components/TopDoctors"

const Home = () => {
  return (
    <div>
       <Header/>
       <SpecialityMenu/>
       <TopDoctors/>
```

```
      <Banner />
    </div>
  )
}
export default Home
```

- **components – Banner.jsx :-**

```
import React from 'react'
import { assets } from '../assets/assets'
import { useNavigate } from 'react-router-dom'

const Banner = () => {
  const navigate = useNavigate()

  return (
    <div className='flex bg-gradient-to-r from-purple-500 to-indigo-700 rounded-lg px-6 sm:px-10 md:px-14 lg:px-8 my-20 md:mx shadow-lg'>
      {/*---------- Left Side ----------*/}
      <div className='flex-1 py-10 sm:py-16 lg:py-24 lg:pl-5 flex flex-col justify-center'>
        <p className='text-white text-sm uppercase tracking-wide mb-2'>Your Health, Our Priority</p>

        <div className='text-xl sm:text-2xl md:text-3xl lg:text-5xl font-bold text-white leading-snug'>
          <p>Book Appointment</p>
          <p>With 100+ Trusted Doctors</p>
        </div>

        <p className='text-white/90 mt-4 max-w-md text-sm sm:text-base'>
          Get expert medical care from top specialists across all fields — anytime, anywhere.
        </p>
        <button
          onClick={() => { navigate('/login'); scrollTo(0, 0) }}
          className='bg-gradient-to-r from-cyan-400 to-purple-500 text-white font-medium text-l px-0 py-3 rounded-full mt-8 hover:scale-105 transition-all shadow-md hover:shadow-lg'
```

```
        >
          Create Account
        </button>
      </div>

      {/*---------- Right Side ----------*/}
      <div className='hidden md:flex md:w-1/2 lg:w-[370px] relative justify-center items-
end'>
        <img
          className='w-full max-w-md'
          src={assets.appointment_img}
          alt="Doctor Appointment Illustration"
        />
      </div>
    </div>
  )
}
export default Banner
```

- **components – Footer.jsx :-**

```
import React from 'react'
import { assets } from '../assets/assets'

const Footer = () => {
  return (
    <div className='md:mx-10'>
      <div className='flex flex-row grid-cols gap-30 my-10 mt-40 text-sm'>

       {/*----------LeftSide----------*/}
       <div>
        <img className='w-[130px] h-[75px] mb-4 ' src={assets.myDoc_logo} alt="" />
        <p className='w-full md:w-2/3 text-gray-600 leading-6'>MyDoc is your trusted partner
in healthcare, simplifying the way you connect with medical professionals. Whether you're
booking consultations, managing appointments, or accessing expert care, our platform ensures
a seamless and secure experience. Prioritizing convenience, privacy, and reliability – we
bring quality healthcare to your fingertips.</p>
       </div>
```

```
        {/*----------Center----------*/}
        <div>
         <p className='text-xl font-medium mb-5'>COMPANY</p>
         <ul className='flex flex-col gap-2 text-gray-600'>
             <li>Home</li>
             <li>About Us</li>
             <li>Contact Us</li>
             <li>Privacy Policy</li>
         </ul>
        </div>
         {/*----------RightSide----------*/}
         <div>
             <p className='text-xl font-medium mb-5'>GET IN TOUCH</p>
             <ul className='flex flex-col gap-2 text-gray-600'>
                 <li>+91 9876543210</li>
                 <li>support@mydoc.com</li>
             </ul>
         </div>
    </div>
       {/*-----------CopyRight---------- */}
             <div>
                 <hr />
                 <p className='py-5 text-sm text-center'>Copyright 2025@MyDoc-All Right
Reserved.</p>
             </div>
   </div>  )
}
export default Footer
```

- **components – Header.jsx :-**

```
import React from "react";
import { assets } from "../assets/assets"

const Header = () => {
```

```
  return (
    <div className="flex flex-col md:flex-row flex-wrap bg-gradient-to-r from-purple-500 via-purple-600 to-indigo-700 relative rounded-2xl px-6 md:px-10 lg:px-20 overflow-hidden shadow-lg">

      {/* -------- Left Side ------- */}
      <div className="md:w-1/2 flex flex-col items-start justify-center gap-6 py-10 m-auto md:py-[8vw] md:mb-[-30px] relative z-10">
        <p className="text-3xl md:text-4xl lg:text-5xl text-white font-bold leading-snug drop-shadow-md">
          Book With Confidence. <br /> Heal With Assurance
        </p>

        <div className="flex flex-col md:flex-row items-center gap-4 text-white text-sm font-medium bg-white/10 p-4 rounded-xl backdrop-blur-md shadow-md">
          <img
            className="w-24 rounded-full ring-2 ring-white/40"
            src={assets.group_profiles}
            alt="Profiles"
          />
          <p className="leading-relaxed">
            No more waiting in long queues or calling clinics.{" "}
            <br className="hidden sm:block" />
            Book trusted doctors instantly, anytime, anywhere.
          </p>
        </div>

        <div id="speciality" className="scroll-mt-20"></div>

        <a
          href="#speciality"
          className="flex items-center gap-3 bg-gradient-to-r from-cyan-400 to-purple-500 px-8 py-3 rounded-full text-white text-sm font-semibold shadow-lg hover:shadow-xl hover:scale-105 transition-all duration-300 ease-in-out"
        >
          Book Appointment
          <img
            className="w-3 animate-pulse invert"
```

```
            src={assets.arrow_icon}
            alt="arrow"
          />
        </a>
      </div>

      {/* -------- Right Side ------- */}
      <div className="md:w-1/2 relative flex justify-center items-center z-10">
        <div className="relative w-full md:absolute bottom-0">
          <img
            className="w-full h-auto rounded-lg shadow-2xl transform hover:scale-105
transition-transform duration-500"
            src={assets.header_img}
            alt="Doctor illustration"
          />
          <div className="absolute inset-0 bg-gradient-to-t from-purple-700/20 to-
transparent rounded-lg"></div>
        </div>
      </div>
    </div>
  )
}
export default Header
```

- **components – Navbar.jsx :-**

```
import React, { useContext, useState } from 'react'
import { assets } from '../assets/assets'
import { NavLink, useNavigate } from 'react-router-dom'
import { AppContext } from '../context/AppContext'

const Navbar = () => {

  const { searchTerm,setSearchTerm} = useContext(AppContext)
  const navigate = useNavigate()

  const handleSearch = (e) =>{
```

```
    if (e.key === "Enter")(
      navigate("/doctors")
    )
  }
  const {token,setToken,userData} = useContext(AppContext)
  const logout = () => {
    setToken(false)
    localStorage.removeItem('token')
  }
  const [isAdmin] = useState(true); // Change to false for non-admin
  // const [username] = useState("Tiasa!!"); // Replace with actual username from context/auth
  const username = userData?.name || "Guest"; // Replaced with actual username


  return (
    <div className='flex items-center justify-between text-sm py-4 mb-5 border-b border-b-purple-400 bg-white sticky top-0 z-90 shadow-sm px-4 md:px-8'>
      <img onClick={() => navigate('/')} className='w-[100px] h-[60px] cursor-pointer' src={assets.myDoc_logo}alt="logo"/>
      <ul className='hidden md:flex items-center gap-8 font-medium'>
        {[
          { name: 'Home', path: '/' },
          { name: 'All Doctors', path: '/doctors' },
          { name: 'About', path: '/about' },
          { name: 'Contact', path: '/contact' },
        ].map((link, index) => (
          <NavLink key={index} to={link.path} className={({ isActive }) => isActive ? "text-purple-500 border-b-2 border-purple-500 pb-1" : "hover:text-purple-500"}>
            {link.name}
          </NavLink>
        ))}
      </ul>


      <div className='flex items-center gap-5'>
        <input
          type="text"
          placeholder="Search doctors..."
```

```
          className="hidden lg:block px-6 py-1 border rounded-full text-sm focus:outline-
none focus:ring-2 focus:ring-purple-400"
          value={searchTerm}
          onChange={(e)=> setSearchTerm(e.target.value)}
          onKeyDown={handleSearch}/>


        {token && userData ? (
          <div className='flex items-center gap-2 cursor-pointer group relative'>
            {/* Greeting */}
            <p className='hidden md:block text-gray-600'>Hi,{username}</p>
            <img className='w-9 h-9.5 object-cover rounded-full ' src={userData.image}
alt="profile" />
            <img className='w-2.5' src={assets.dropdown_icon} alt="dropdown" />
            <div className='absolute top-0 right-0 pt-14 text-base font-medium text-gray-600
z-20 hidden group-hover:block'>
              <div className='min-w-45 bg-stone-100 rounded flex flex-col gap-3 p-3 mt-4'>
                <p onClick={() => navigate('my-profile')} className='hover:text-black
cursor-pointer'>My Profile</p>
                <p onClick={() => navigate('my-appointments')} className='hover:text-black
cursor-pointer'>My Appointments</p>
                <p onClick={logout} className='hover:text-black cursor-pointer'>Logout</p>
              </div>
            </div>
          </div>
        ) : (
          <button
            onClick={() => navigate('/login')}
            className='bg-gradient-to-r from-cyan-400 to-purple-500 px-8 py-3 rounded-full
text-white text-sm font-semibold shadow-lg hover:shadow-xl hover:scale-105 transition-all
duration-300 ease-in-out'
          >
            Create/Login
          </button>
        )}
      </div>
    </div>
  )
}
```

```
export default Navbar
```

- **components – TopDoctors.jsx :-**

```
import React, { useContext } from 'react'
import { useNavigate } from 'react-router-dom'
import Appointment from '../pages/Appointment'
import { AppContext } from '../context/AppContext'


const TopDoctors = () => {

  const navigate = useNavigate()
  const {doctors} = useContext(AppContext);

  return (
    <div className='flex flex-col items-center gap-4 my-16 text-gray-900 md:mx-10'>
      <h1 className='text-3xl font-medium'>Top Doctors to Book </h1>
      <p className='sm:w-1/3 text-center text-sm'>Simply Browse through our extensive
list of trusted doctors</p>
      <div className='w-full grid grid-cols-[repeat(auto-fill,minmax(200px,1fr))] gap-4
pt-5 gap-y-6 px-3 sm:px-0'>
        {doctors.slice(0,10).map((item,index)=>(
            <div onClick={()=>{navigate(`/appointment/${item._id}`); scrollTo(0,0)}}
className='border border-blue-200 rounded-xl overflow-hidden cursor-pointer
hover:translate-y-[-15px] transition-all duration-900' key={index}>
                <img className='bg-blue-50' src={item.image} alt="" />
                <div className='p-4'>
                  <div className={`flex items-center gap-2 text-sm text-center
${item.available ? ' text-green-500': 'text-gray-500'}`}>
                    <p className={`w-2 h-2 ${item.available ? 'bg-green-500' : 'bg-gray-
500' } rounded-full`}></p><p className='px-1'>{item.available ? 'Available': 'Not
Available'}</p>
                  </div>
                  <p className='text-gray-900 text-lg font-medium'>{item.name}</p>
                  <p className='text-gray-600 text-sm'>{item.speciality}</p>
                </div>
            </div>
          ))}
      </div>
      <button onClick={()=>{ navigate('/doctors'); scrollTo(0,0)}}
      className='bg-gradient-to-r from-cyan-400 to-purple-500 px-8 py-3 mt-10 rounded-
full text-white text-sm font-semibold shadow-lg hover:shadow-xl hover:scale-105
transition-all duration-300 ease-in-out
        >'>More</button>
    </div>
  )
}

export default TopDoctors
```

- **components – Speciality.jsx :-**

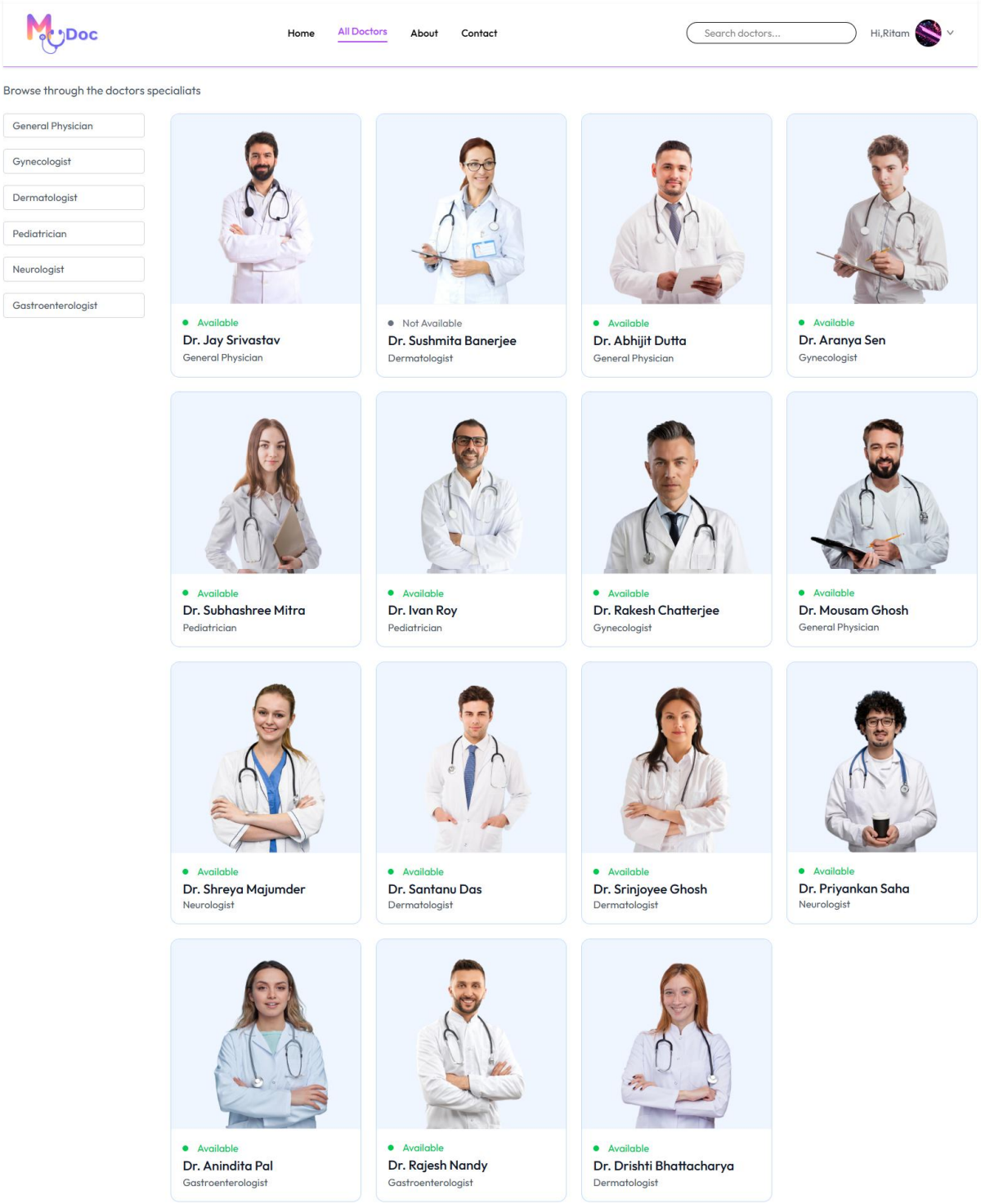
```
import React from 'react'
import { specialityData } from '../assets/assets'
import { Link } from 'react-router-dom'

const SpecialityMenu = () => {
  return (
    <div className='flex flex-col items-center gap-5 py-16 text-gray-800'
id='Speciality'>
      <h1 className='text-3xl font-medium'>Find by Speciality</h1>
      <p className='sm:w-2/3 text-center text-medium'>Find the right doctor for your
specific needs. Whether it’s heart care, skin issues, child health, or routine check-ups,
book top specialists like cardiologists, dermatologists, pediatricians, and more — all in
one place. Get expert care, faster. </p>
      <div className='flex sm:justify-center gap-8 pt-5 w-full overflow-scroll'>
        {specialityData.map((item,index)=>(
            <Link onClick={()=>scrollTo(0,0)} className='flex flex-col items-center text-
xs cursor-pointer flex-shrink-0 hover:translate-y-[-10px] transition-all duration-500'
key={index} to={`/doctors/${item.speciality}`}>
                <img className='w-16 sm:w-24 mb-2' src={item.image} alt={item.speciality}
/>
                <p>{item.speciality}</p>
            </Link>
        ))}
      </div>
    </div>
)
}

export default SpecialityMenu
```

- **components – RelatedDoctors.jsx :-**

```
import React, { useContext, useEffect, useState } from 'react'
import { AppContext } from '../context/AppContext'
import { useNavigate } from 'react-router-dom'

const RelatedDoctors = ({speciality,docId}) => {

    const {doctors}=useContext(AppContext)
    const navigate = useNavigate()

    const [relDoc,setRelDocs] = useState([])

    useEffect(()=>{
        if(doctors.length > 0 && speciality){
            const doctorsData = doctors.filter((doc)=> doc.speciality === speciality &&
doc._id !==docId)
            setRelDocs(doctorsData)
        }
```

```
    },[doctors,speciality,docId])

  return (
    <div className='flex flex-col items-center gap-4 my-16 text-gray-900 md:mx-10'>
      <h1 className='text-3xl font-medium'>Top Doctors to Book </h1>
      <p className='sm:w-1/3 text-center text-sm'>Simply Browse through our extensive
list of trusted doctors</p>
      <div className='w-full grid grid-cols-[repeat(auto-fill,minmax(200px,1fr))] gap-4
pt-5 gap-y-6 px-3 sm:px-0'>
        {relDoc.slice(0,5).map((item,index)=>(
            <div onClick={()=>{navigate(`/appointment/${item._id}`); scrollTo(0,0)}}
className='border border-blue-200 rounded-xl overflow-hidden cursor-pointer
hover:translate-y-[-15px] transition-all duration-900' key={index}>
                <img className='bg-blue-50' src={item.image} alt="" />
                <div className='p-4'>
                  <div className={`flex items-center gap-2 text-sm text-center
${item.available ? ' text-green-500': 'text-gray-500'}`}>
                    <p className={`w-2 h-2 ${item.available ? 'bg-green-500' : 'bg-gray-
500' } rounded-full`}></p><p className='px-1'>{item.available ? 'Available': 'Not
Available'}</p>
                  </div>
                  <p className='text-gray-900 text-lg font-medium'>{item.name}</p>
                  <p className='text-gray-600 text-sm'>{item.speciality}</p>
                </div>
            </div>
          ))}
      </div>
      <button onClick={()=>{ navigate('/doctors'); scrollTo(0,0)}} className='bg-purple-
500 text-white px-12 py-3 rounded-full mt-10 border-purple-950 hover:translate-y-[-3px]
transition-all duration-400'>More</button>
    </div>
  )}

export default RelatedDoctors
```

1) ALL DOCTOTS (for user);

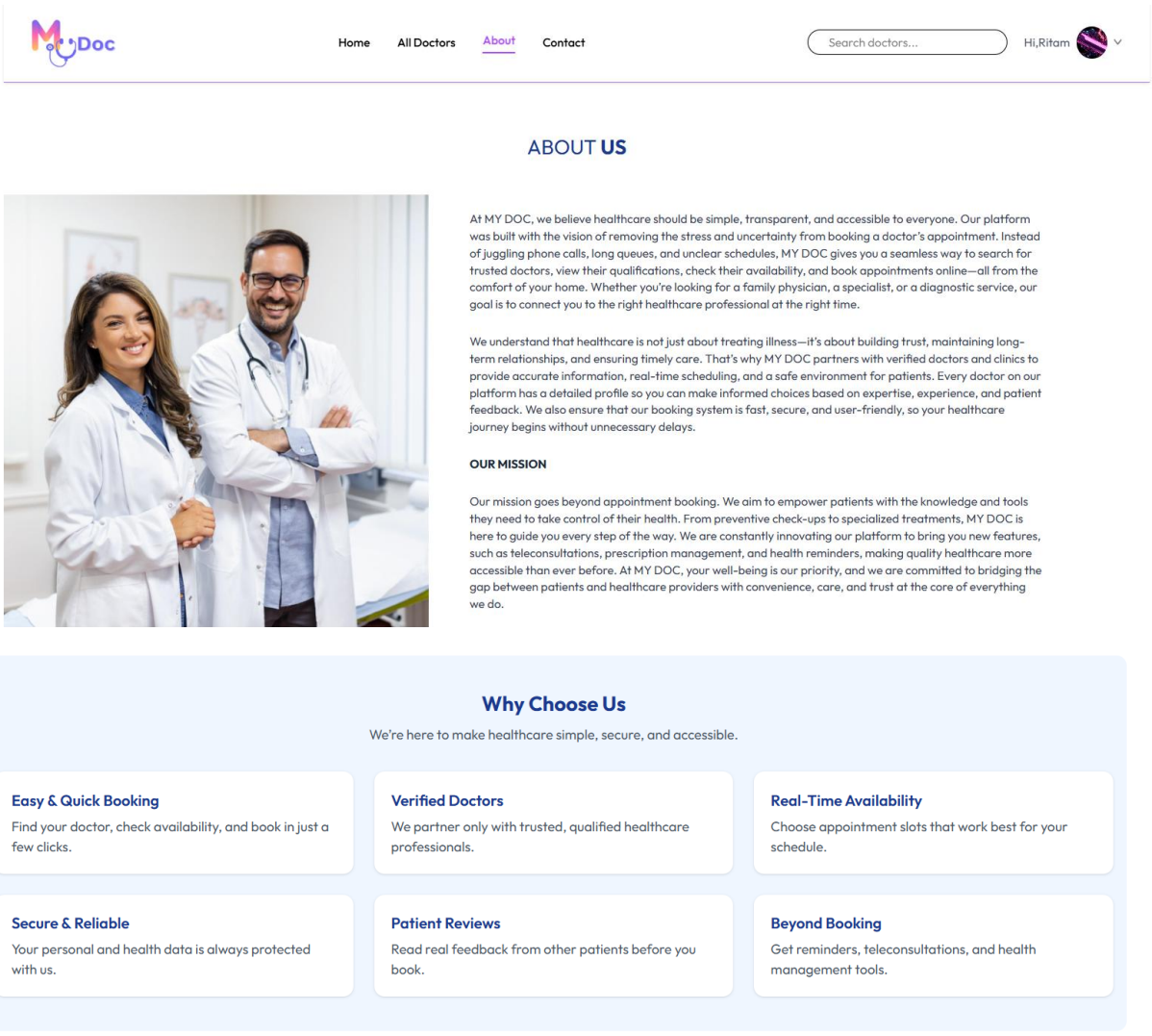


✓ **CODE :**

```
import React, { useContext, useEffect, useState } from 'react'
import { Navigate, useNavigate, useParams } from 'react-router-dom'
import { AppContext } from '../context/AppContext';
```

```
import { doctors } from '../assets/assets';

const Doctors = () => {

const { speciality } = useParams();

const [filterDoc,setFilterDoc] = useState([])
const navigate = useNavigate()

const {doctors, searchTerm } = useContext(AppContext)

const applyFilter = () => {
  let filtered = doctors;

  if (speciality) {
    filtered = filtered.filter(doc => doc.speciality === speciality);
  }

  if (searchTerm) {
    filtered = filtered.filter(doc =>
      doc.name.toLowerCase().includes(searchTerm.toLowerCase()) ||
      doc.speciality.toLowerCase().includes(searchTerm.toLowerCase())
    );
  }

  setFilterDoc(filtered);
};

useEffect(()=>{
  applyFilter()
  },[doctors, speciality])

  return (
    <div>
      <p className='text-gray-600'>Browse through the doctors specialiats</p>
      <div className='flex flex-col sm:flex-row items-start gap-9 mt-5'>
        <div className='flex flex-col gap-4 text-sm text-gray-600'>
          <p onClick={()=> speciality === 'General Physician' ? navigate('/doctors') :
navigate('/doctors/General Physician')} className={`w-[94] sm:w-auto pl-3 py-1.5 pr-16
border border-gray-300 rounded transition-all hover:translate-y-[2px] cursor-pointer
${speciality === "General Physician" ? "bg-purple-300 text-black" : "" }`}>General
Physician</p>
          <p onClick={()=> speciality === 'Gynecologist' ? navigate('/doctors') :
navigate('/doctors/Gynecologist')} className={`w-[94] sm:w-auto pl-3 py-1.5 pr-16 border
border-gray-300 rounded transition-all hover:translate-y-[2px] cursor-pointer
${speciality === "Gynecologist" ? "bg-purple-300 text-black" : "" }`}>Gynecologist</p>
          <p onClick={()=> speciality === 'Dermatologist' ? navigate('/doctors') :
navigate('/doctors/Dermatologist')} className={`w-[94] sm:w-auto pl-3 py-1.5 pr-16 border
border-gray-300 rounded transition-all hover:translate-y-[2px] cursor-pointer
${speciality === "Dermatologist" ? "bg-purple-300 text-black" : "" }`}>Dermatologist</p>
          <p onClick={()=> speciality === 'Pediatrician' ? navigate('/doctors') :
navigate('/doctors/Pediatrician')} className={`w-[94] sm:w-auto pl-3 py-1.5 pr-16 border
border-gray-300 rounded transition-all hover:translate-y-[2px] cursor-pointer
```

```
${speciality === "Pediatrician" ? "bg-purple-300 text-black" : "" }`}>Pediatrician</p>
          <p onClick={()=> speciality === 'Neurologist' ? navigate('/doctors') :
navigate('/doctors/Neurologist')} className={`w-[94] sm:w-auto pl-3 py-1.5 pr-16 border
border-gray-300 rounded transition-all hover:translate-y-[2px] cursor-pointer
${speciality === "Neurologist" ? "bg-purple-300 text-black" : "" }`}>Neurologist</p>
          <p onClick={()=> speciality === 'Gastroenterologist' ? navigate('/doctors') :
navigate('/doctors/Gastroenterologist')} className={`w-[94] sm:w-auto pl-3 py-1.5 pr-16
border border-gray-300 rounded transition-all hover:translate-y-[2px] cursor-pointer
${speciality === "Gastroenterologist" ? "bg-purple-300 text-black" : ""
}`}>Gastroenterologist</p>
        </div>
        <div className='grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 lg:grid-cols-4
gap-5'>
          {
            filterDoc.map((item,index)=>(
            <div onClick={()=> navigate(`/appointment/${item._id}`)} className='border
border-blue-200 rounded-xl overflow-hidden cursor-pointer hover:translate-y-[-15px]
transition-all duration-900' key={index}>
                <img className='bg-blue-50' src={item.image} alt="" />
                <div className='p-4'>
                  <div className={`flex items-center gap-2 text-sm text-center
${item.available ? ' text-green-500': 'text-gray-500'}`}>
                    <p className={`w-2 h-2 ${item.available ? 'bg-green-500' : 'bg-gray-
500' } rounded-full`}></p><p className='px-1'>{item.available ? 'Available': 'Not
Available'}</p>
                  </div>
                  <p className='text-gray-900 text-lg font-medium'>{item.name}</p>
                  <p className='text-gray-600 text-sm'>{item.speciality}</p>
                </div>
            </div>
          ))
          }
        </div>
      </div>
    </div>
  )
}

export default Doctors
```



✓ **CODE :**

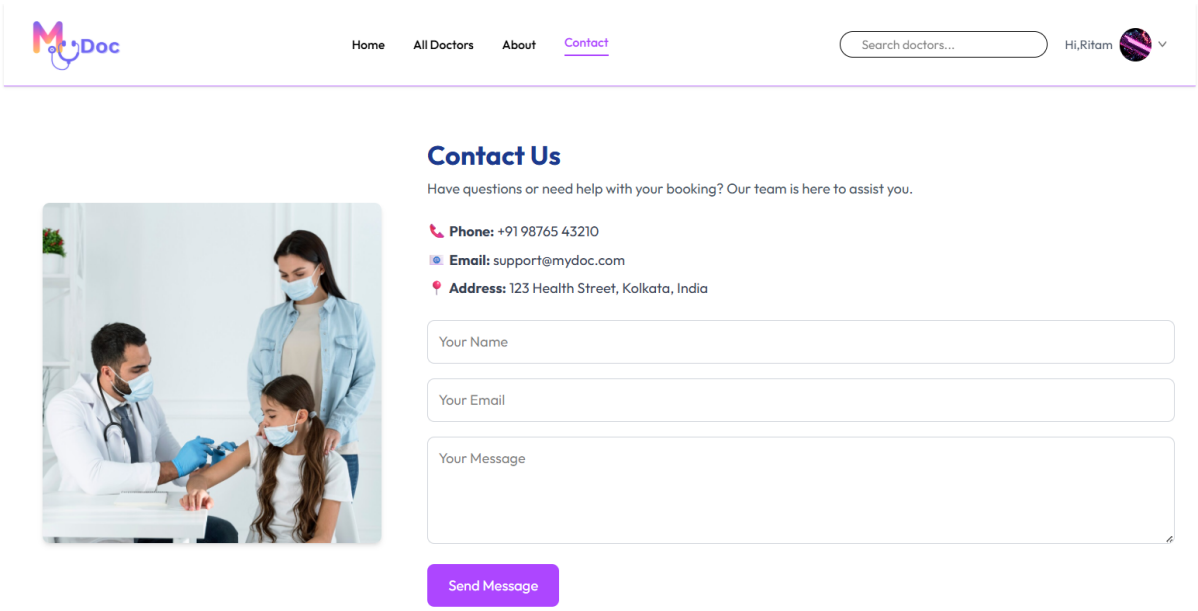
```
import React from 'react'
import { assets } from '../assets/assets'
const About = () => {
  return (
    <div>
      <div className='text-center text-2xl pt-10 text-
blue-900'>
        <p> ABOUT <span className='text-2xl font-bold
text-blue-900 text-center'>US</span></p>
      </div>
```

```
      <div className='my-10 flex flex-col md:flex-row
gap-12'>
        <img className='w-full md:max-w-[500px]'
src={assets.about_image} alt="" />
        <div className='flex flex-col justify-center
gap-6 md:w-2/4 text-sm text-gray-700'>
          <p>At MY DOC, we believe healthcare should be
simple, transparent, and accessible to everyone. Our
platform was built with the vision of removing the
stress and uncertainty from booking a doctor’s
appointment. Instead of juggling phone calls, long
queues, and unclear schedules, MY DOC gives you a
seamless way to search for trusted doctors, view their
qualifications, check their availability, and book
appointments online—all from the comfort of your home.
Whether you’re looking for a family physician, a
specialist, or a diagnostic service, our goal is to
connect you to the right healthcare professional at the
right time.</p>
          <p>We understand that healthcare is not just
about treating illness—it’s about building trust,
maintaining long-term relationships, and ensuring
timely care. That’s why MY DOC partners with verified
doctors and clinics to provide accurate information,
real-time scheduling, and a safe environment for
patients. Every doctor on our platform has a detailed
profile so you can make informed choices based on
expertise, experience, and patient feedback. We also
ensure that our booking system is fast, secure, and
user-friendly, so your healthcare journey begins
without unnecessary delays.</p>
          <b className='text-gray-800'>OUR MISSION</b>
          <p>Our mission goes beyond appointment
booking. We aim to empower patients with the knowledge
and tools they need to take control of their health.
From preventive check-ups to specialized treatments, MY
DOC is here to guide you every step of the way. We are
constantly innovating our platform to bring you new
features, such as teleconsultations, prescription
management, and health reminders, making quality
healthcare more accessible than ever before. At MY DOC,
your well-being is our priority, and we are committed
to bridging the gap between patients and healthcare
providers with convenience, care, and trust at the core
of everything we do.
</p>
        </div>
      </div>


<div className="bg-blue-50 py-10 px-4 rounded-xl mt-
10">
  <h2 className="text-2xl font-bold text-blue-900 text-
```

```
center">Why Choose Us</h2>
  <p className="text-gray-600 text-center max-w-2xl mx-
auto mt-2">
    We’re here to make healthcare simple, secure, and
accessible.
  </p>

  <div className="grid gap-6 sm:grid-cols-2 lg:grid-
cols-3 mt-8">
    <div className="bg-white p-5 rounded-xl shadow
hover:shadow-lg transition">
      <h3 className="font-semibold text-lg text-blue-
900">Easy & Quick Booking</h3>
      <p className="text-gray-600 mt-1">
        Find your doctor, check availability, and book
in just a few clicks.
      </p>
    </div>

    <div className="bg-white p-5 rounded-xl shadow
hover:shadow-lg transition">
      <h3 className="font-semibold text-lg text-blue-
900">Verified Doctors</h3>
      <p className="text-gray-600 mt-1">
        We partner only with trusted, qualified
healthcare professionals.
      </p>
    </div>

    <div className="bg-white p-5 rounded-xl shadow
hover:shadow-lg transition">
      <h3 className="font-semibold text-lg text-blue-
900">Real-Time Availability</h3>
      <p className="text-gray-600 mt-1">
        Choose appointment slots that work best for
your schedule.
      </p>
    </div>

    <div className="bg-white p-5 rounded-xl shadow
hover:shadow-lg transition">
      <h3 className="font-semibold text-lg text-blue-
900">Secure & Reliable</h3>
      <p className="text-gray-600 mt-1">
        Your personal and health data is always
protected with us.
      </p>
    </div>

    <div className="bg-white p-5 rounded-xl shadow
hover:shadow-lg transition">
      <h3 className="font-semibold text-lg text-blue-
900">Patient Reviews</h3>
```

```
      <p className="text-gray-600 mt-1">
        Read real feedback from other patients before
you book.
      </p>
    </div>
    <div className="bg-white p-5 rounded-xl shadow
hover:shadow-lg transition">
      <h3 className="font-semibold text-lg text-blue-
900">Beyond Booking</h3>
      <p className="text-gray-600 mt-1">
        Get reminders, teleconsultations, and health
management tools.
      </p>
    </div>
  </div>
</div>
    </div>
  )
}
export default About
```

- **CONTACT US PAGE (for user) :**

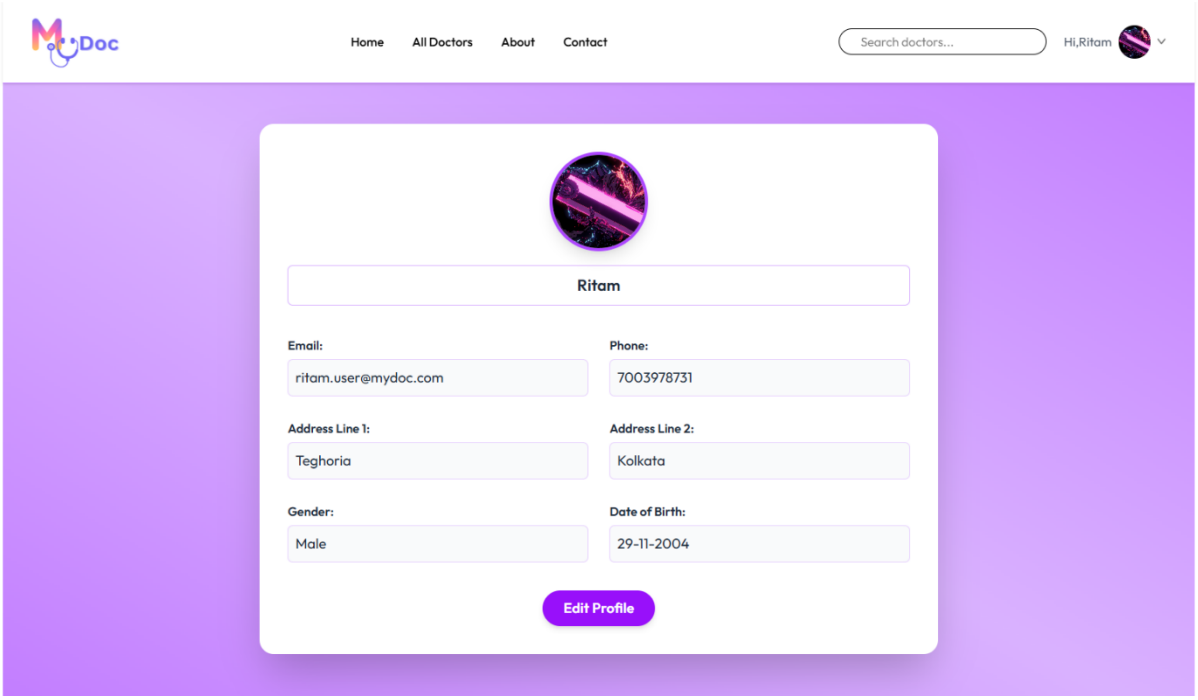


✓ **CODE :**

```
import { assets } from
"../assets/assets"

const Contact = () => {
  return (
    <div className="px-6 py-10">
      <div className="flex flex-col
md:flex-row items-center gap-8">
        <div className="md:w-1/3 w-
full flex justify-center">
  <img
src={assets.contact_image}alt="Contac
t"className="rounded-lg shadow-md w-
80 h-auto md:w-96"/>
        </div>

        <div className="md:w-2/3 w-
full">
          <h2 className=" text-3xl
font-bold text-blue-900">Contact
Us</h2>
          <p className="text-gray-600
mt-2">Have questions or need help
with your booking? Our team is here
to assist you.</p>

          <div className="mt-6 space-
```

```
y-2">
            <p className="text-gray-
700"><strong>📞 Phone:</strong> +91
98765 43210</p>
            <p className="text-gray-
700"><strong>📧 Email:</strong>
support@mydoc.com</p>
            <p className="text-gray-
700"><strong>📍 Address:</strong> 123
Health Street, Kolkata, India</p>
          </div>

          {/* Contact Form */}
          <form className="mt-6
space-y-4">
            <input
type="text"placeholder="Your
Name"className="border border-gray-
300 p-3 rounded-lg w-full
focus:outline-none focus:ring-2
focus:ring-blue-500"/>
            <input
type="email"placeholder="Your
Email"className="border border-gray-
300 p-3 rounded-lg w-full
focus:outline-none focus:ring-2
focus:ring-blue-500"/>
            <textarea
placeholder="Your
Message"rows="4"className="border
border-gray-300 p-3 rounded-lg w-full
focus:outline-none focus:ring-2
focus:ring-blue-500"></textarea>
            <button
type="submit"className="bg-purple-500
text-white py-3 px-6 rounded-lg
hover:bg-purple-700 transition"> Send
Message</button>
          </form>
        </div>
      </div>
    </div>
  )
}

export default Contact
```

1) My Profile Page :



✓ CODE :

```
export default Login

import React, { useContext, useState } from 'react'
import { AppContext } from '../context/AppContext'
import { assets } from '../assets/assets'
import axios from 'axios'
import { toast } from 'react-toastify'

const MyProfile = () => {
  const { userData, setUserData, token, backendUrl, loadUserProfileData } =
useContext(AppContext)
  const [isEdit, setIsEdit] = useState(false)
  const [image, setImage] = useState(false)
  const [loading, setLoading] = useState(false)

  const updateUserProfileData = async () => {
    setLoading(true)
    try {
      const formData = new FormData()
      formData.append('name', userData.name)
      formData.append('phone', userData.phone)
      formData.append('address', JSON.stringify(userData.address))
      formData.append('gender', userData.gender)
```

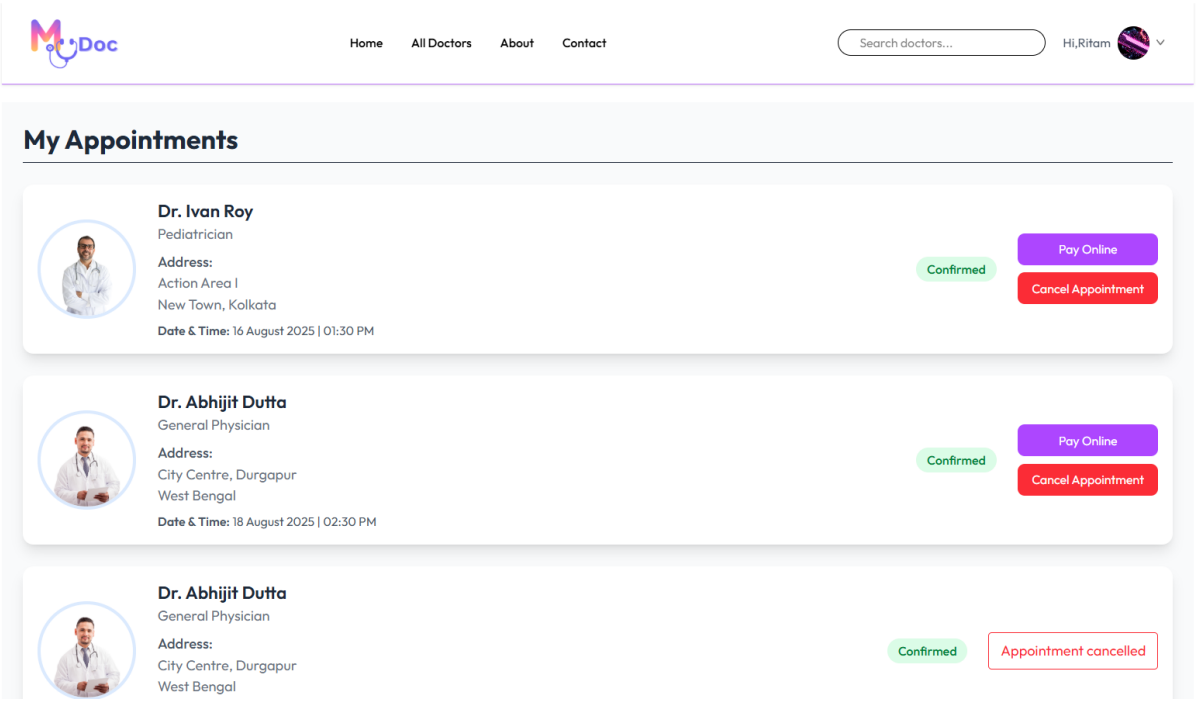
```
    formData.append('dob', userData.dob)

    if (image) formData.append('image', image)

    const { data } = await axios.post(
      `${backendUrl}/api/user/update-profile`,
      formData,
      { headers: { token } }
    )

    if (data.success) {
      toast.success(data.message)

      if (image) {
        setUserData(prev => ({ ...prev, image: URL.createObjectURL(image) }))
      }

      await loadUserProfileData()

      setIsEdit(false)
      setImage(false)
    } else {
      toast.error(data.message)
    }
  } catch (error) {
    console.error(error)
    toast.error(error.message)
  } finally {
    setLoading(false)
  }
}

const handleChange = (field, value) => {
  setUserData(prev => ({ ...prev, [field]: value }))
}

const handleAddressChange = (field, value) => {
  setUserData(prev => ({
    ...prev,
    address: { ...(prev.address || {}), [field]: value }
  }))
}

const handleToggleEdit = () => {
  if (isEdit) {
```

```
      updateUserProfileData() // Save changes
    } else {
      setIsEdit(true) // Enable edit mode
    }
  }

  return userData && (
    <div className="min-h-screen flex items-center justify-center bg-gradient-to-tr from-
purple-400 via-purple-300 to-purple-400 p-6">
      <div className="bg-white text-gray-800 rounded-2xl shadow-2xl p-8 w-full max-w-3xl">
        <div className="flex flex-col items-center">
          {isEdit ? (
            <label htmlFor="image">
              <div className="relative w-28 h-28">
                <img
                  src={image ? URL.createObjectURL(image) : userData.image}
                  alt="Profile"
                  className="w-28 h-28 rounded-full object-cover border-4 border-purple-500
shadow-lg"
                />
                {!image && (
                  <img
                    src={assets.upload_icon}
                    alt="Upload"
                    className="absolute bottom-0 right-0 w-8 h-8 bg-white rounded-full p-1
border border-purple-300"
                  />
                )}
              </div>
              <input
                type="file"
                id="image"
                hidden
                onChange={(e) => setImage(e.target.files[0])}
              />
            </label>
          ) : (
            <img
              src={userData.image}
              alt="Profile"
              className="w-28 h-28 rounded-full object-cover border-4 border-purple-500
shadow-lg"
            />
          )}

          <div className="w-full mt-4 text-center">
```

```
            {isEdit ? (
              <input
                type="text"
                className="w-full text-lg font-semibold text-center border border-purple-300
rounded-md p-2 focus:outline-none focus:ring-2 focus:ring-purple-500"
                value={userData.name}
                placeholder="NAME"
                onChange={e => handleChange("name", e.target.value)}
              />
            ) : (
              <div className="w-full border border-purple-300 rounded-md p-2 text-lg font-
semibold text-center">
                {userData.name || 'NAME'}
              </div>
            )}
          </div>
        </div>

        {/* Profile Fields */}
        <div className="grid grid-cols-1 sm:grid-cols-2 gap-6 mt-8">
          {[
            ['Email', 'email', 'email'],
            ['Phone', 'phone', 'text'],
            ['Address Line 1', 'line1', 'text', true],
            ['Address Line 2', 'line2', 'text', true],
            ['Gender', 'gender', 'select'],
            ['Date of Birth', 'dob', 'date']
          ].map(([label, key, type, isAddress]) => {
            const value = isAddress ? userData.address?.[key] || "" : userData[key] || ""
            return (
              <div key={key}>
                <label className="text-sm font-semibold">{label}:</label>
                {isEdit ? (
                  type === 'select' ? (
                    <select
                      className="w-full mt-1 border border-purple-300 rounded-md p-2
focus:outline-none focus:ring-2 focus:ring-purple-500"
                      value={userData.gender}
                      onChange={e => handleChange("gender", e.target.value)}
                    >
                      <option>Male</option>
                      <option>Female</option>
                      <option>Other</option>
                    </select>
                  ) : (
                    <input
```

```
                    type={type}
                    className="w-full mt-1 border border-purple-300 rounded-md p-2
focus:outline-none focus:ring-2 focus:ring-purple-500"
                    value={value || ""}
                    onChange={e =>
                      isAddress
                        ? handleAddressChange(key, e.target.value)
                        : handleChange(key, e.target.value)
                    }
                    placeholder={label}
                  />
                )
              ) : (
                <div className="w-full mt-1 border border-purple-200 rounded-md p-2 bg-
gray-50 min-h-[42px]">
                  {value || <span className="text-gray-400">{label}</span>}
                </div>
              )}
            </div>
          )
        })}
      </div>

      {/* Button */}
      <div className="mt-8 text-center">
        <button
          onClick={handleToggleEdit}
          disabled={loading}
          className={`bg-purple-600 hover:bg-purple-700 text-white font-semibold px-6 py-2
rounded-full shadow-md transition duration-200 ease-in-out ${loading ? 'opacity-50 cursor-
not-allowed' : ''}`}
        >
          {loading ? 'Saving...' : isEdit ? 'Save' : 'Edit Profile'}
        </button>
      </div>
    </div>
  </div>
)
}

export default MyProfile
```

2) My Appointments Page:




```
import React, { useContext } from "react"
import { AppContext } from "../context/AppContext"
import { useState } from "react"
import axios from "axios"
import { toast } from "react-toastify"
import { useEffect } from "react"
import { useNavigate } from "react-router-dom"
import { createStaticHandler } from "react-router-dom"

const MyAppointments = () => {
  const { backendUrl, token, getDoctorsData } = useContext(AppContext)
  const [appointments,setappointments] = useState([])
  const months = ["
","January","February","March","April","May","June","July","August","September","October","N
ovember","December"]

  const slotDateFormat =(slotDate)=>{
    const dateArray = slotDate.split('_')
    return dateArray[0]+ " "+months[Number(dateArray[1])]+ " " + dateArray[2]
  }
```

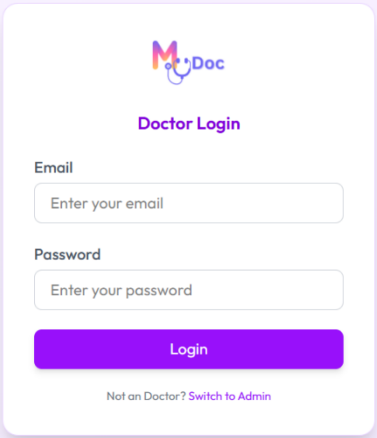
```
  const navigate = useNavigate()

  const getUserAppointments = async () =>{
    try {
      const {data} = await axios.get(backendUrl + '/api/user/appointments',
{headers:{token}})

      if (data.success) {
        setappointments(data.appointments.reverse())
        console.log(data.appointments)
      }
    } catch (error) {
      console.log(error)
      toast.error(error.message)
    }
  }

  const cancelAppointment = async (appointmentId) => {
    try {
      const {data} = await axios.post(backendUrl + '/api/user/cancel-appointment',
{appointmentId}, {headers:{token}})
      if (data.success) {
        toast.success(data.message)
        getUserAppointments()
        navigate("/my-appointments")
      }

    } catch (error) {
      console.log(error)
      toast.error(error.message)
    }
  }

 const initPay = (order)=> {

    const options = {
      key: import.meta.env.VITE_RAZORPAY_KEY_ID, // Enter the Key ID generated from the
Dashboard
      amount: order.amount, // Amount is in currency subunits. Default currency is INR.
      currency: order.currency,
      name: "Appointment Payment",
      description: "Appointment Payment for doctor",
      order_id: order.id, //This is the order_id created by you in the backend
      receipt: order.receipt,
      handler : async (response) => {
        console.log(response)
```

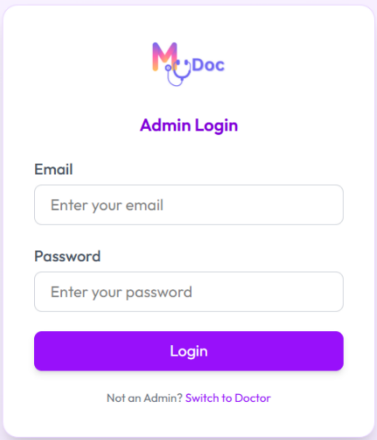
```
        try {
          const {data} = await axios.post(backendUrl + '/api/user/verifyRazorpay',response,
{headers:{token}})
          if (data.success) {
            toast.success(data.message)
            getUserAppointments()
            getDoctorsData()
          } else {
            toast.error(data.message)
          }
        } catch (error) {

        }
      }
    }

    const rzp = new window.Razorpay(options);
    rzp.open();

 }

  const appointmentRazorpay = async (appointmentId) => {
    try {
      const {data} = await axios.post(backendUrl + '/api/user/payment-razorpay',
{appointmentId}, {headers:{token}})
      if (data.success) {
        initPay(data.order)
        toast.success("Payment initiated")
      } else {
        toast.error(data.message)
      }
    } catch (error) {
      console.log(error)
      toast.error(error.message)
    }

  }
  useEffect(()=>{
    if (token) {
      getUserAppointments()
    }
  },[token])


  return (
```

```
    <div className="p-6 bg-gray-50 min-h-screen">
      <h1 className="text-3xl font-bold text-gray-800 mb-6 border-b pb-2">
        My Appointments
      </h1>

      {/* Appointment List */}
      <div className="space-y-6">
        {appointments.map((item, index) => (
          <div
            key={index}className="bg-white shadow-lg rounded-xl p-4 flex flex-col md:flex-
row items-center gap-6 hover:shadow-xl transition-shadow duration-300">
            {/* Doctor Image */}
            <div className="flex-shrink-0">
              <img src={item.docData.image}alt={item.name}className="w-28 h-28 object-cover
rounded-full border-4 border-blue-100"/>
            </div>

            <div className="flex-1">
              <div className="flex flex-col sm:flex-row sm:items-center sm:justify-between">
                <div>
                  <p className="text-xl font-semibold text-gray-800">{item.docData.name}</p>
                  <p className="text-gray-500">{item.docData.speciality}</p>
                  <p className="mt-2 text-gray-600 font-medium">Address:</p>
                  <p className="text-gray-500">{item.docData.address.line1}</p>
                  <p className="text-gray-500">{item.docData.address.line2}</p>
                  <p className="mt-2 text-sm text-gray-600"><span className="font-
semibold">Date & Time:</span> {slotDateFormat(item.slotDate)} | {item.slotTime} </p>
                </div>

                {/* Appointment Status */}
                <span className="mt-2 sm:mt-0 px-3 py-1 rounded-full text-sm font-medium bg-
green-100 text-green-700">Confirmed</span>
              </div>
            </div>

            {/* Action Buttons */}
<div className="flex flex-col gap-2">
  {!item.cancelled && !item.isCompleted && item.payment && (
    <button className="bg-green-500 hover:bg-green-700 text-white py-2 px-4 rounded-lg text-
sm transition-colors duration-300">
      Paid
    </button>
  )}

  {!item.cancelled && !item.isCompleted && !item.payment && (
    <button
```

```
      onClick={() => appointmentRazorpay(item._id)}
      className="bg-purple-500 hover:bg-purple-700 text-white py-2 px-4 rounded-lg text-sm
transition-colors duration-300"
    >
      Pay Online
    </button>
  )}

  {!item.cancelled && !item.isCompleted && (
    <button
      onClick={() => cancelAppointment(item._id, item.docData._id)}
      className="bg-red-500 hover:bg-red-700 text-white py-2 px-4 rounded-lg text-sm
transition-colors duration-300"
    >
      Cancel Appointment
    </button>
  )}

  {item.cancelled && (
    <button className="sm:min-w-48 py-2 border border-red-500 rounded text-red-500">
      Appointment cancelled
    </button>
  )}

  {item.isCompleted && !item.cancelled && (
    <button className="sm:min-w-48 py-2 border border-green-500 rounded text-green-500">
      Appointment completed
    </button>
  )}
</div>

          </div>
        ))}
      </div>
    </div>
  )
}
export default MyAppointments
```

3) LOGIN PAGE (for admin and doctor):





✓ **CODE:**

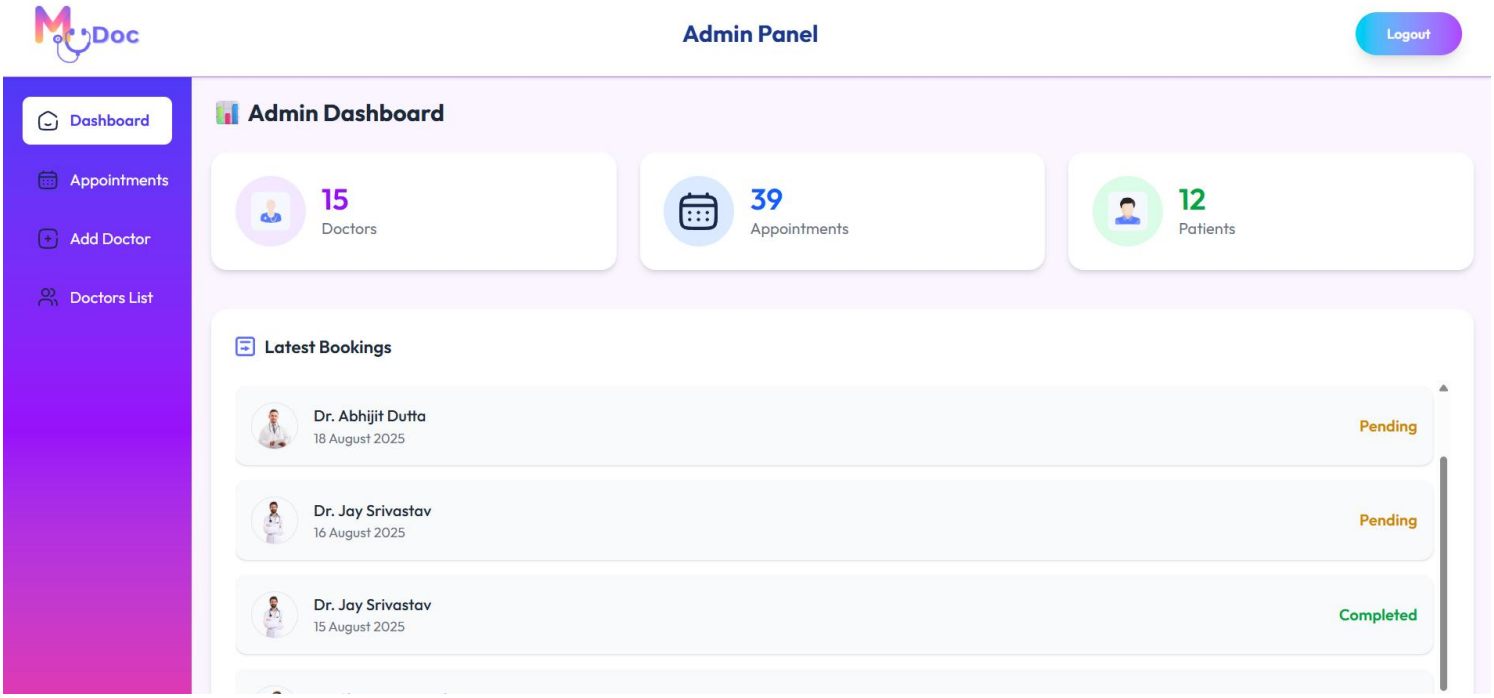
```
import React, { useContext, useState } from "react"
import { assets } from "../assets/assets"
import { AdminContext } from "../context/AdminContext"
import axios from "axios"
import { toast } from 'react-toastify'
```

```
import { DoctorContext } from "../context/DoctorContext"
import {useNavigate} from "react-router-dom"

const Login = () => {
  const [state, setState] = useState("Admin")

  const [email,setEmail] = useState('')
  const [password,setPassword] = useState('')
  const {setAToken,backendUrl} = useContext(AdminContext)
  const {setDToken} = useContext(DoctorContext)
  const navigate = useNavigate()
  const onSubmitHandler = async (event) => {
    event.preventDefault()

    try {
        if (state === 'Admin'){

            const {data} = await axios.post(backendUrl + '/api/admin/login',
{email,password})
            if (data.success){
                localStorage.setItem('aToken',data.token)
                setAToken(data.token)
                navigate("/admin-dashboard")
            }
            else {
              toast.error(data.message)
            }
        }
        else
          {
            const {data} = await axios.post(backendUrl + '/api/doctor/login',
{email,password})
            if (data.success){
                localStorage.setItem('dToken',data.token)
                setDToken(data.token)
                console.log(data.token)
                navigate("/doctor-dashboard")
            }
            else {
              toast.error(data.message)
            }
          }
    }
     catch (error) {
      console.log(error)
    }
```

```
  }

  return (
    <form onSubmit={onSubmitHandler} className="min-h-[100vh] flex items-center justify-
center bg-gradient-to-br from-cyan-200 via-purple-200 to-blue-300">
      <div className="flex flex-col gap-5 bg-white m-auto items-start p-8 w-full max-w-sm
rounded-2xl shadow-xl border border-purple-200">

        <div className="w-full flex justify-center">
          <img
            src={assets.myDoc_logo}
            alt="Logo"
            className="w-19 h-14 object-contain"
          />
        </div>

        <h2 className="text-lg font-semibold text-purple-700 w-full text-center">{state}
Login </h2>
        <div className="w-full">
          <label className="block mb-1 text-gray-600 font-medium">Email</label>
          <input onChange={(e)=>setEmail(e.target.value)} value={email} type="email"
required placeholder="Enter your email"className="w-full px-4 py-2 border rounded-lg
focus:outline-none focus:ring-2 focus:ring-purple-500 border-gray-300 transition"/>
        </div>

        <div className="w-full">
          <label className="block mb-1 text-gray-600 font-medium">Password</label>
          <input onChange={(e)=>setPassword(e.target.value)} value={password}
type="password" required placeholder="Enter your password" className="w-full px-4 py-2
border rounded-lg focus:outline-none focus:ring-2 focus:ring-purple-500 border-gray-300
transition"/>
        </div>
        <button type="submit"className="w-full py-2 bg-purple-600 text-white rounded-lg
hover:bg-purple-700 transition transform hover:scale-[1.02] active:scale-[0.98] shadow-md">
          Login
          </button>
        {/* Switch user type */}
        <p className="text-xs text-gray-500 text-center w-full">
          Not an {state}?{" "}
          <span className="text-purple-600 cursor-pointer hover:underline" onClick={() =>
setState(state === "Admin" ? "Doctor" : "Admin")}> Switch to {state === "Admin" ? "Doctor" :
"Admin"}</span>
        </p>
      </div>
    </form>
  )
}
```

```
export default Login
```

4) ADMIN DASHBOARD PAGE:



✓ **CODE:**

```
import React, { useContext, useEffect } from "react";
import { AdminContext } from "../../context/AdminContext";
import { assets } from "../../assets/assets";
import { AppContext } from "../../context/AppContext";

const Dashboard = () => {
  const { aToken, getDashData, dashData, cancelAppointment } =
    useContext(AdminContext);

  const { slotDateFormat } = useContext(AppContext);

  useEffect(() => {
    if (aToken) {
      getDashData();
    }
  }, [aToken, getDashData]);

  return (
    dashData && (
      <div className="m-5 w-full">
        <h1 className="text-2xl font-bold mb-6 text-gray-800">
```

```
          📊 Admin Dashboard
        </h1>

        {/* Top summary cards */}
        <div className="grid grid-cols-1 sm:grid-cols-2 lg:grid-cols-3 gap-6">
          {/* Doctors */}
          <div className="bg-white p-6 rounded-2xl shadow-md flex items-center gap-4
hover:shadow-lg transition">
            <div className="bg-purple-100 p-4 rounded-full flex items-center justify-
center">
              <img src={assets.doctor_icon} alt="Doctors" className="w-10 h-10" />
            </div>
            <div>
              <p className="text-3xl font-semibold text-purple-600">
                {dashData.doctors}
              </p>
              <p className="text-gray-500">Doctors</p>
            </div>
          </div>

          {/* Appointments */}
          <div className="bg-white p-6 rounded-2xl shadow-md flex items-center gap-4
hover:shadow-lg transition">
            <div className="bg-blue-100 p-4 rounded-full flex items-center justify-center">
              <img
                src={assets.appointment_icon}
                alt="Appointments"
                className="w-10 h-10"
              />
            </div>
            <div>
              <p className="text-3xl font-semibold text-blue-600">
                {dashData.appointments}
              </p>
              <p className="text-gray-500">Appointments</p>
            </div>
          </div>

          {/* Patients */}
          <div className="bg-white p-6 rounded-2xl shadow-md flex items-center gap-4
hover:shadow-lg transition">
            <div className="bg-green-100 p-4 rounded-full flex items-center justify-center">
              <img src={assets.patients_icon} alt="Patients" className="w-10 h-10" />
            </div>
            <div>
              <p className="text-3xl font-semibold text-green-600">
```

```
              {dashData.patients}
            </p>
            <p className="text-gray-500">Patients</p>
          </div>
        </div>
      </div>

      {/* Latest Bookings */}
      <div className="bg-white mt-10 rounded-2xl shadow-md p-6">
        {/* Header */}
        <div className="flex items-center gap-2.5 mb-5">
          <img src={assets.list_icon} alt="" className="w-5 h-5" />
          <p className="font-semibold text-lg text-gray-800">Latest Bookings</p>
        </div>

        {/* List */}
        <div className="grid gap-4 max-h-[350px] overflow-y-auto pr-1">
          {dashData.latestAppointment.map((item, index) => (
            <div
              key={index}
              className="flex items-center justify-between p-4 bg-gray-50 rounded-xl
shadow-sm hover:shadow-md transition"
            >
              {/* Left: doctor info */}
              <div className="flex items-center gap-4">
                <img
                  className="rounded-full w-12 h-12 border border-gray-200 object-cover"
                  src={item.docData.image}
                  alt={item.docData.name}
                />
                <div className="flex flex-col justify-center">
                  <p className="text-gray-800 font-medium">{item.docData.name}</p>
                  <p className="text-gray-500 text-sm">
                    {slotDateFormat(item.slotDate)}
                  </p>
                </div>
              </div>

              {/* Right: status or cancel */}
              <div className="flex items-center">
                {item.cancelled ? (
                  <p className="text-red-600 font-semibold">Cancelled</p>
                ) : item.isCompleted ? (
                  <p className="text-green-600 font-semibold">Completed</p>
                ) : (
```

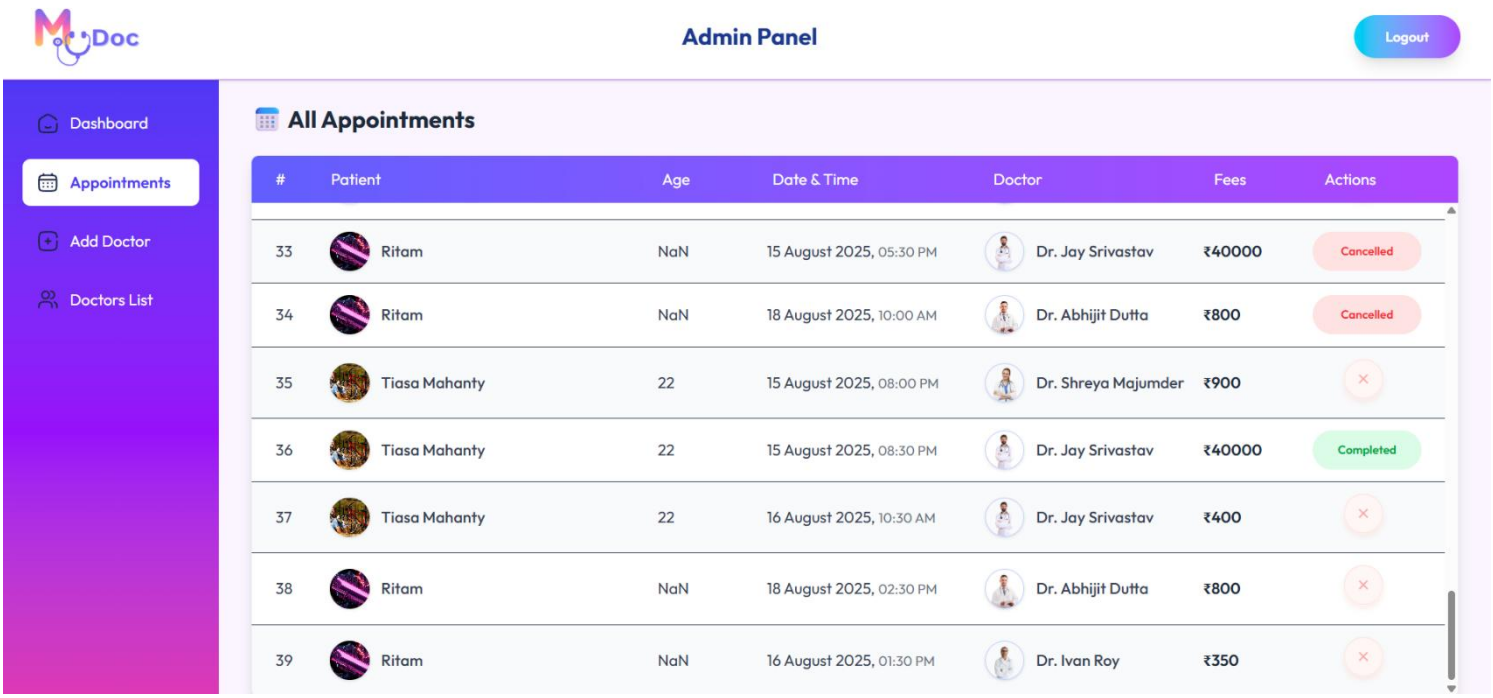
```
                  <p className="text-yellow-600 font-semibold">Pending</p>
                )}
              </div>
            </div>
          ))}
        </div>
      </div>
    </div>
  )
};

export default Dashboard;
```

component:- Navbar.jsx :

```
import React, { useContext } from "react"
import { assets } from "../assets/assets"
import { AdminContext } from "../context/AdminContext.jsx"
import { useNavigate } from "react-router-dom"
import { DoctorContext } from "../context/DoctorContext.jsx"

const Navbar = () => {
  const { aToken, setAToken } = useContext(AdminContext)
  const {dToken, setDToken}= useContext(DoctorContext)

  const navigate = useNavigate()

  const logout = () => {
    navigate("/")
    aToken && setAToken("")
    aToken && localStorage.removeItem("aToken")
    dToken && setDToken('')
    dToken && localStorage.removeItem('dToken')

  };

  return (
    <div className="flex items-center justify-between text-sm py-3  border-b border-b-
purple-400 bg-white sticky top-0 z-90 shadow-sm px-4 md:px-8">
      <div className="flex items-center gap-130 text-2xl">
        <img
          className="h-16 sm:w-27 cursor-pointer"
          src={assets.myDoc_logo}
          alt=""
        />
```

```
        <p className=" px-8 py-3  text-blue-900  font-bold  transition-all duration-200 ">
          {aToken ? "Admin" : "Doctor"} Panel
        </p>
      </div>
      <button
        onClick={logout}
        className='bg-gradient-to-r from-cyan-400 to-purple-500 px-8 py-3 rounded-full text-
white text-sm font-semibold shadow-lg hover:shadow-xl hover:scale-105 transition-all
duration-300 ease-in-out'
      >
        Logout
      </button>
    </div>
  )
}

export default Navbar
```

5) ADMIN ALL APPOINTMENTS PAGE:



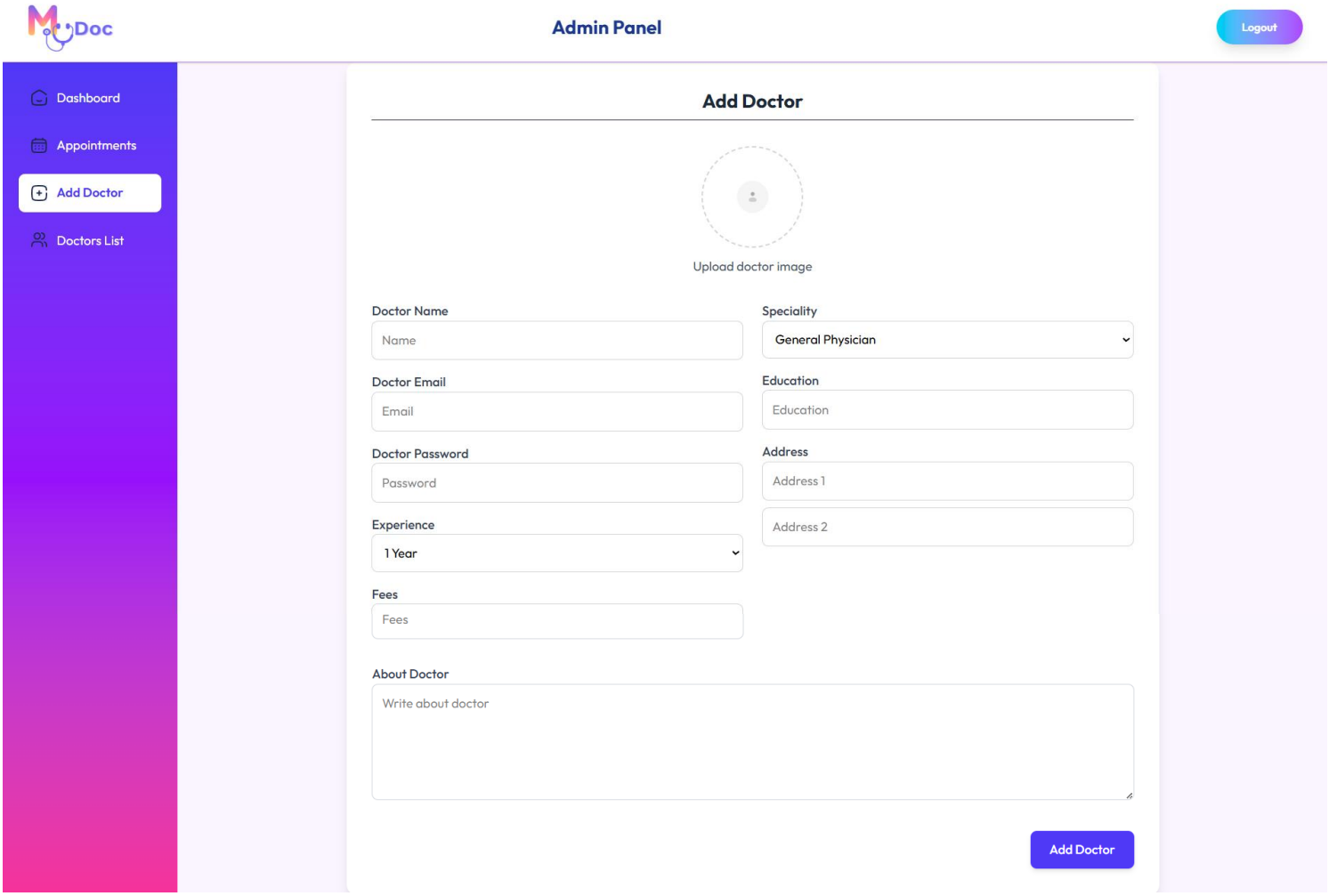
✓ CODE:

```
import React, { useContext, useEffect } from "react";
import { AdminContext } from "../../context/AdminContext";
import { AppContext } from "../../context/AppContext";
import { assets } from "../../assets/assets";

const AllAppointments = () => {
  const { aToken, appointments, getAllAppointments, cancelAppointment } =
    useContext(AdminContext);
  const { calculateAge, slotDateFormat, currency } = useContext(AppContext);

  useEffect(() => {
    if (aToken) {
      getAllAppointments();
    }
  }, [aToken]);

  return (
    <div className="w-full max-w-7xl mx-auto p-6">
      <h2 className="text-2xl font-bold text-gray-800 mb-5">
        📅 All Appointments
      </h2>
```

```
      <div className="bg-white shadow-lg rounded-lg overflow-hidden border border-gray-200">
        {/* Table Header */}
        <div className="hidden sm:grid grid-cols-[0.5fr_3fr_1fr_2fr_2fr_1fr_1fr] bg-
gradient-to-r from-indigo-500 to-purple-500 text-white py-3 px-6 sticky top-0">
          <p>#</p>
          <p>Patient</p>
          <p>Age</p>
          <p>Date & Time</p>
          <p>Doctor</p>
          <p>Fees</p>
          <p>Actions</p>
        </div>

        {/* Table Body */}
        <div className="max-h-[70vh] overflow-y-auto">
          {appointments.reverse().map((item, index) => (
            <div
              key={index}
              className={`sm:grid sm:grid-cols-[0.5fr_3fr_1fr_2fr_2fr_1fr_1fr] items-center
text-gray-700 py-3 px-6 border-b
                ${
                  index % 2 === 0 ? "bg-gray-50" : "bg-white"
                } hover:bg-indigo-50 transition`}
            >
              {/* Index */}
              <p className="max-sm:hidden">{index + 1}</p>

              {/* Patient */}
              <div className="flex items-center gap-3">
                <img
                  className="w-10 h-10 rounded-full object-cover shadow-sm"
                  src={item.userData.image}
                  alt={item.userData.name}
                />
                <p className="font-medium">{item.userData.name}</p>
              </div>

              {/* Age */}
              <p className="max-sm:hidden">{calculateAge(item.userData.dob)}</p>

              {/* Date & Time */}
              <p>
                {slotDateFormat(item.slotDate)},{" "}
                <span className="text-sm text-gray-500">{item.slotTime}</span>
          </p>
```

```
              {/* Doctor */}
              <div className="flex items-center gap-3">
                <img
                  className="w-10 h-10 rounded-full object-cover border border-indigo-200
shadow-sm"
                  src={item.docData.image}
                  alt={item.docData.name}
                />
                <p className="font-medium">{item.docData.name}</p>
              </div>

              {/* Fees */}
              <p className="font-semibold text-gray-800">
                {currency}
                {item.amount}
              </p>

              {/* Actions */}
              {item.cancelled ?
                <p className="text-red-500 text-xs font-semibold bg-red-100 px-3 py-3
rounded-full text-center">
                  Cancelled
                </p> : item.isCompleted ? <p className="text-green-600 text-xs font-semibold
bg-green-100 px-3 py-3 rounded-full text-center">Completed</p>
               :<img onClick={()=> cancelAppointment(item._id)}
                    className="w-12 h-12 mx-7 cursor-pointer"
                    src={assets.cancel_icon}
                    alt="Cancel"
                  />
              }
            </div>
          ))}
        </div>
      </div>
    </div>
  );
};
```

1) ADMIN ADD DOCTORS PAGE:



✓ CODE

```
import React, { useContext, useState } from "react"
import { assets } from "../../assets/assets"
import { AdminContext } from "../../context/AdminContext"
import { toast } from "react-toastify"
import axios from "axios"

const AddDoctor = () => {
  const [docImg, setDocImg] = useState(false)
  const [name, setName] = useState("")
  const [email, setEmail] = useState("")
  const [password, setPassword] = useState("")
  const [experience, setExperience] = useState("1 Year")
  const [fees, setFees] = useState("")
  const [about, setAbout] = useState("")
  const [speciality, setSpeciality] = useState("General Physician")
```

```
  const [degree, setDegree] = useState("")
  const [address1, setAddress1] = useState("")
  const [address2, setAddress2] = useState("")

  const {backendUrl, aToken } = useContext(AdminContext)

  const onSubmitHandler = async (event) => {
    event.preventDefault()

    try {
        if (!docImg) {
            return toast.error('Image Not Selected')
        }

        const formData = new FormData()

        formData.append('image',docImg)
        formData.append('name',name)
        formData.append('email',email)
        formData.append('password',password)
        formData.append('experience',experience)
        formData.append('fees',Number(fees))
        formData.append('about',about)
        formData.append('speciality',speciality)
        formData.append('degree',degree)
        formData.append('address',JSON.stringify({line1:address1, line2:address2}))

        //console.log(formData)
        formData.forEach((value, key) => {
            console.log(`${key}: ${value}`);
        })

        const {data} = await axios.post(backendUrl + '/api/admin/add-doctor',
formData,{headers : {aToken}})

        if(data.success)
        {
          toast.success(data.message)
          setDocImg(false)
          setName("")
          setPassword("")
          setEmail("")
          setAddress1("")
          setAddress2("")
          setDegree("")
```

```
          setAbout("")
          setFees("")
        }
        else{
          toast.error(data.message)
        }

    } catch (error) {
        toast.error(error.message)
        console.log(error)
    }
  }
  return (
    <form onSubmit={onSubmitHandler} className="max-w-5xl mx-auto bg-white shadow-lg
rounded-xl p-8 space-y-8">
      {/* Title */}
      <h2 className="text-2xl text-center font-bold text-gray-800 border-b pb-2">
        Add Doctor
      </h2>

      {/* Upload Area */}
      <div className="flex flex-col items-center gap-3">
        <label
          htmlFor="doc-img"
          className="w-32 h-32 rounded-full border-2 border-dashed border-gray-300 flex
items-center justify-center cursor-pointer overflow-hidden hover:border-indigo-500
transition-all"
        >
          {docImg ? (
            <img
              src={URL.createObjectURL(docImg)}
              alt="Doctor"
              className="w-full h-full object-cover"
            />
          ) : (
            <img
              src={assets.upload_area}
              alt="Upload"
              className="w-10 h-10 object-contain"
            />
          )}
        </label>
        <input
          onChange={(e) => setDocImg(e.target.files[0])}
          type="file"
          id="doc-img"
```

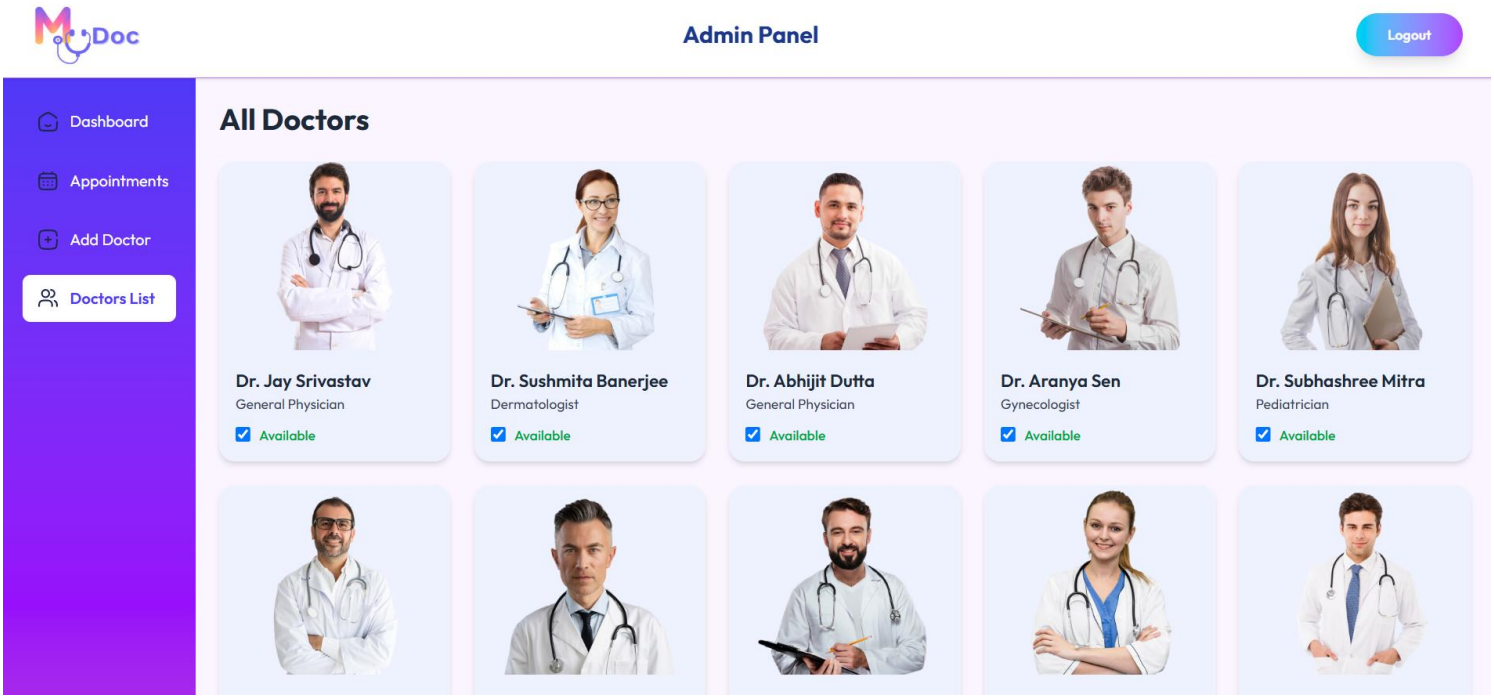
```
          hidden
        />
        {!docImg && (
          <p className="text-gray-600 text-center">Upload doctor image</p>
        )}
      </div>

      {/* Two Column Form */}
      <div className="grid grid-cols-1 md:grid-cols-2 gap-6">
        {/* Left column */}
        <div className="space-y-4">
          <div>
            <p className="font-medium text-gray-700">Doctor Name</p>
            <input onChange={(e)=> setName(e.target.value)} value={name}
              type="text"
              placeholder="Name"
              required
              className="w-full border border-gray-300 rounded-lg p-3 focus:ring-2
focus:ring-indigo-500 outline-none"
            />
          </div>

          <div>
            <p className="font-medium text-gray-700">Doctor Email</p>
            <input onChange={(e)=> setEmail(e.target.value)} value={email}
              type="email"
              placeholder="Email"
              required
              className="w-full border border-gray-300 rounded-lg p-3 focus:ring-2
focus:ring-indigo-500 outline-none"
            />
          </div>

          <div>
            <p className="font-medium text-gray-700">Doctor Password</p>
            <input onChange={(e)=> setPassword(e.target.value)} value={password}
              type="password"
              placeholder="Password"
              required
              className="w-full border border-gray-300 rounded-lg p-3 focus:ring-2
focus:ring-indigo-500 outline-none"
            />
          </div>

          <div>
            <p className="font-medium text-gray-700">Experience</p>
```

```
            <select onChange={(e)=> setExperience(e.target.value)} value={experience}
className="w-full border border-gray-300 rounded-lg p-3 focus:ring-2 focus:ring-indigo-500
outline-none">
              {Array.from({ length: 10 }, (_, i) => (
                <option key={i + 1} value={`${i + 1} Year`}>
                  {i + 1} Year
                </option>
              ))}
            </select>
          </div>

          <div>
            <p className="font-medium text-gray-700">Fees</p>
            <input onChange={(e)=> setFees(e.target.value)} value={fees}
              type="number"
              placeholder="Fees"
              required
              className="w-full border border-gray-300 rounded-lg p-3 focus:ring-2
focus:ring-indigo-500 outline-none"
            />
          </div>
        </div>

        {/* Right column */}
        <div className="space-y-4">
          <div>
            <p className="font-medium text-gray-700">Speciality</p>
            <select onChange={(e)=> setSpeciality(e.target.value)} value={speciality}
className="w-full border border-gray-300 rounded-lg p-3 focus:ring-2 focus:ring-indigo-500
outline-none">
              <option value="General Physician">General Physician</option>
              <option value="Gynecologist">Gynecologist</option>
              <option value="Dermatologist">Dermatologist</option>
              <option value="Pediatrician">Pediatrician</option>
              <option value="Neurologist">Neurologist</option>
              <option value="Gastroenterologist">Gastroenterologist</option>
            </select>
          </div>
          <div>
            <p className="font-medium text-gray-700">Education</p>
            <input onChange={(e)=> setDegree(e.target.value)} value={degree}
              type="text"
              placeholder="Education"
              required
              className="w-full border border-gray-300 rounded-lg p-3 focus:ring-2
focus:ring-indigo-500 outline-none"
```

```
            />
          </div>
          <div>
            <p className="font-medium text-gray-700">Address</p>
            <input onChange={(e)=> setAddress1(e.target.value)} value={address1}
              type="text"
              placeholder="Address 1"
              required
              className="w-full mb-2 border border-gray-300 rounded-lg p-3 focus:ring-2
focus:ring-indigo-500 outline-none"
            />
            <input onChange={(e)=> setAddress2(e.target.value)} value={address2}
              type="text"
              placeholder="Address 2"
              required
              className="w-full border border-gray-300 rounded-lg p-3 focus:ring-2
focus:ring-indigo-500 outline-none"
            />
          </div>
        </div>
      </div>

      <div>
        <p className="font-medium text-gray-700">About Doctor</p>
        <textarea onChange={(e)=> setAbout(e.target.value)} value={about}
          placeholder="Write about doctor"
          rows={5}
          required
          className="w-full border border-gray-300 rounded-lg p-3 focus:ring-2 focus:ring-
indigo-500 outline-none"
        />
      </div>

      <div className="text-right">
        <button
          type="submit"
          className="bg-indigo-600 hover:bg-indigo-700 text-white px-6 py-3 rounded-lg
shadow-md font-medium transition-all"
        >
          Add Doctor
        </button>
      </div>
  </form>
  )
}
```

```
export default AddDoctor
```

ADMIN DOCTOR LIST PAGE:

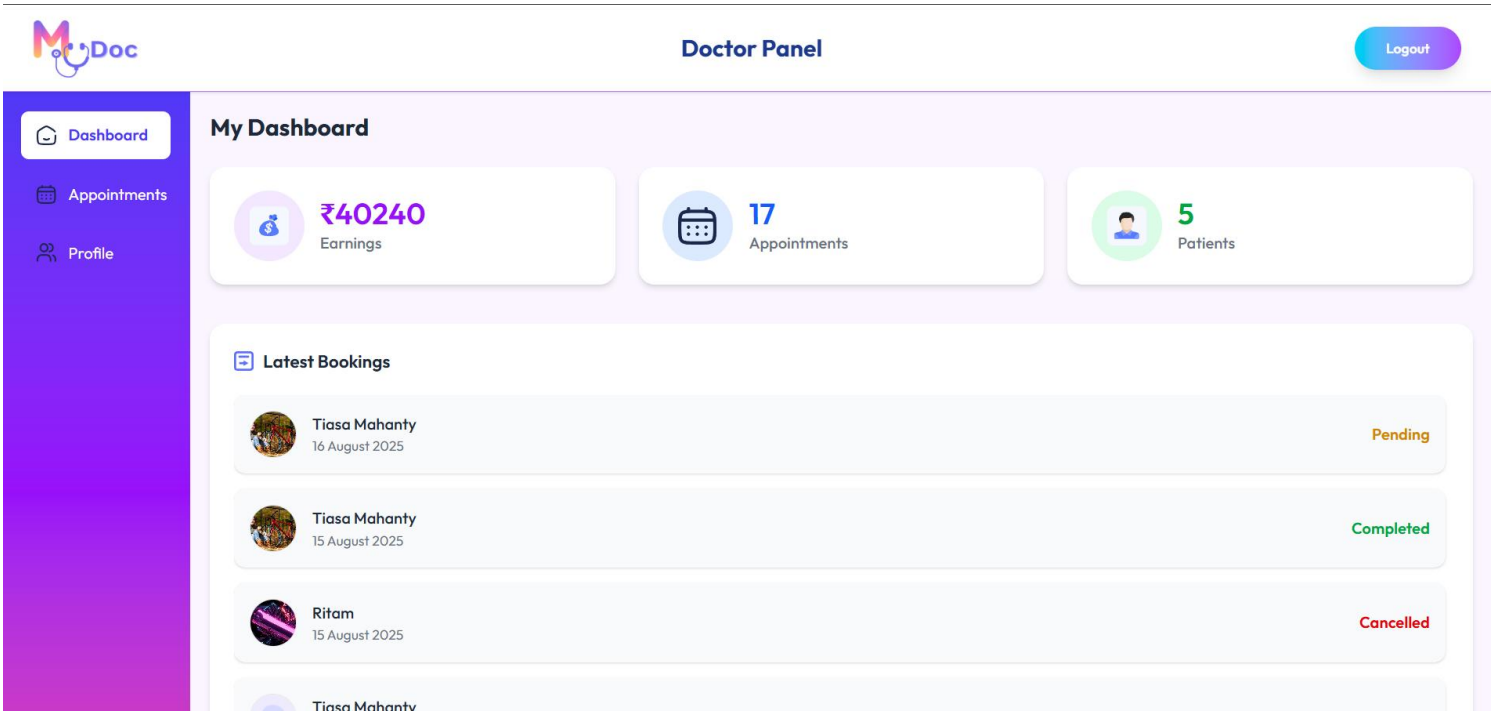


✓ **CODE:**

```
import React, { useContext, useEffect } from 'react'
import { AdminContext } from '../../context/AdminContext'

const DoctorsList = () => {
  const { doctors, aToken, getAllDoctors, changeAvailability } = useContext(AdminContext)

  useEffect(() => {
    if (aToken) {
      getAllDoctors()
    }
  }, [aToken])

  return (
    <div className="p-6 w-full">
      <h1 className="text-3xl font-bold text-gray-800 mb-6">All Doctors</h1>
        <div className="grid grid-cols-1 sm:grid-cols-2 lg:grid-cols-3 lg:grid-cols-4
lg:grid-cols-5 gap-6">
          {doctors.map((item, index) => (
            <div
            key={index}
            className="bg-indigo-50 hover:bg-indigo-200 rounded-2xl shadow-md hover:shadow-
lg transition-all duration-300 overflow-hidden border border-gray-100">
```

```
            <img src={item.image} alt={item.name} className="w-full h-48 object-cover"/>

            <div className="p-4">
              <p className="text-lg font-semibold text-gray-800">{item.name}</p>
              <p className="text-sm text-gray-700 mb-3">{item.speciality}</p>

              <div className="flex items-center gap-2">
                <input type="checkbox" checked={item.available} onChange={()=>
changeAvailability(item._id)}
                    className="w-4 h-4 text-green-500 border-gray-300 rounded focus:ring-
green-400"/>
                    <p className={`text-sm font-medium ${item.available ? 'text-green-600' :
'text-red-500'}`}>
                        {item.available ? 'Available' : 'Not Available'}</p>
              </div>
            </div>
          </div>
        ))}
      </div>
    </div>
  )
}
export default DoctorsList
```

12) DOCTOR DASHBOARD PAGE:



✓ **CODE:**

```
import React, { useContext, useEffect } from "react";
import { DoctorContext } from "../../context/DoctorContext";
import { assets } from "../../assets/assets";
import { AppContext } from "../../context/AppContext";

const DoctorDashboard = () => {
  const {
    dToken,
    dashData,
    getDashData
  } = useContext(DoctorContext);

  const { currency, slotDateFormat } = useContext(AppContext);

  useEffect(() => {
    if (dToken) {
      getDashData();
    }
  }, [dToken]);

  return (
    dashData && (
```

```
      <div className="m-5 w-full">
        <h1 className="text-2xl font-bold mb-6 text-gray-800">My Dashboard</h1>

        {/* Top summary cards */}
        <div className="grid grid-cols-1 sm:grid-cols-2 lg:grid-cols-3 gap-6">
          {/* Earnings */}
          <div className="bg-white p-6 rounded-2xl shadow-md flex items-center gap-4
hover:shadow-lg transition">
            <div className="bg-purple-100 p-4 rounded-full flex items-center justify-
center">
              <img src={assets.earning_icon} alt="Earnings" className="w-10 h-10" />
            </div>
            <div>
              <p className="text-3xl font-semibold text-purple-600">
                {currency}{dashData.earnings}
              </p>
              <p className="text-gray-500 font-medium">Earnings</p>
            </div>
          </div>

          {/* Appointments */}
          <div className="bg-white p-6 rounded-2xl shadow-md flex items-center gap-4
hover:shadow-lg transition">
            <div className="bg-blue-100 p-4 rounded-full flex items-center justify-center">
              <img src={assets.appointment_icon} alt="Appointments" className="w-10 h-10" />
            </div>
            <div>
              <p className="text-3xl font-semibold text-blue-600">
                {dashData.appointments}
              </p>
              <p className="text-gray-500 font-medium">Appointments</p>
            </div>
          </div>

          {/* Patients */}
          <div className="bg-white p-6 rounded-2xl shadow-md flex items-center gap-4
hover:shadow-lg transition">
            <div className="bg-green-100 p-4 rounded-full flex items-center justify-center">
              <img src={assets.patients_icon} alt="Patients" className="w-10 h-10" />
            </div>
            <div>
              <p className="text-3xl font-semibold text-green-600">
                {dashData.patients}
              </p>
              <p className="text-gray-500 font-medium">Patients</p>
            </div>
```

```
          </div>
        </div>

        {/* Latest Bookings */}
        <div className="bg-white mt-10 rounded-2xl shadow-md p-6 w-full">
          <div className="flex items-center gap-2.5 mb-5 w-full">
            <img src={assets.list_icon} alt="" className="w-5 h-5" />
            <p className="font-semibold text-lg text-gray-800">Latest Bookings</p>
          </div>

          <div className="grid gap-4 max-h-[500px] overflow-y-auto pr-1">
            {dashData.latestAppointments.map((item, index) => (
              <div
                key={index}
                className="flex items-center justify-between p-4 bg-gray-50 rounded-xl
shadow-sm hover:shadow-md transition"
              >
                {/* User info */}
                <div className="flex items-center gap-4">
                  <img
                    className="rounded-full w-12 h-12 border border-gray-200 object-cover"
                    src={item.userData.image}
                    alt={item.userData.name}
                  />
                  <div className="flex flex-col justify-center">
                    <p className="text-gray-800 font-medium">{item.userData.name}</p>
                    <p className="text-gray-500 text-sm">{slotDateFormat(item.slotDate)}</p>
                  </div>
                </div>

                {/* Status only */}
                <div className="flex items-center">
                  {item.cancelled ? (
                    <p className="text-red-600 font-semibold">Cancelled</p>
                  ) : item.isCompleted ? (
                    <p className="text-green-600 font-semibold">Completed</p>
                  ) : (
                    <p className="text-yellow-600 font-semibold">Pending</p>
                  )}
                </div>
              </div>
            ))}
          </div>
        </div>
      </div>
```

```
    )
  );
};

export default DoctorDashboard;
```

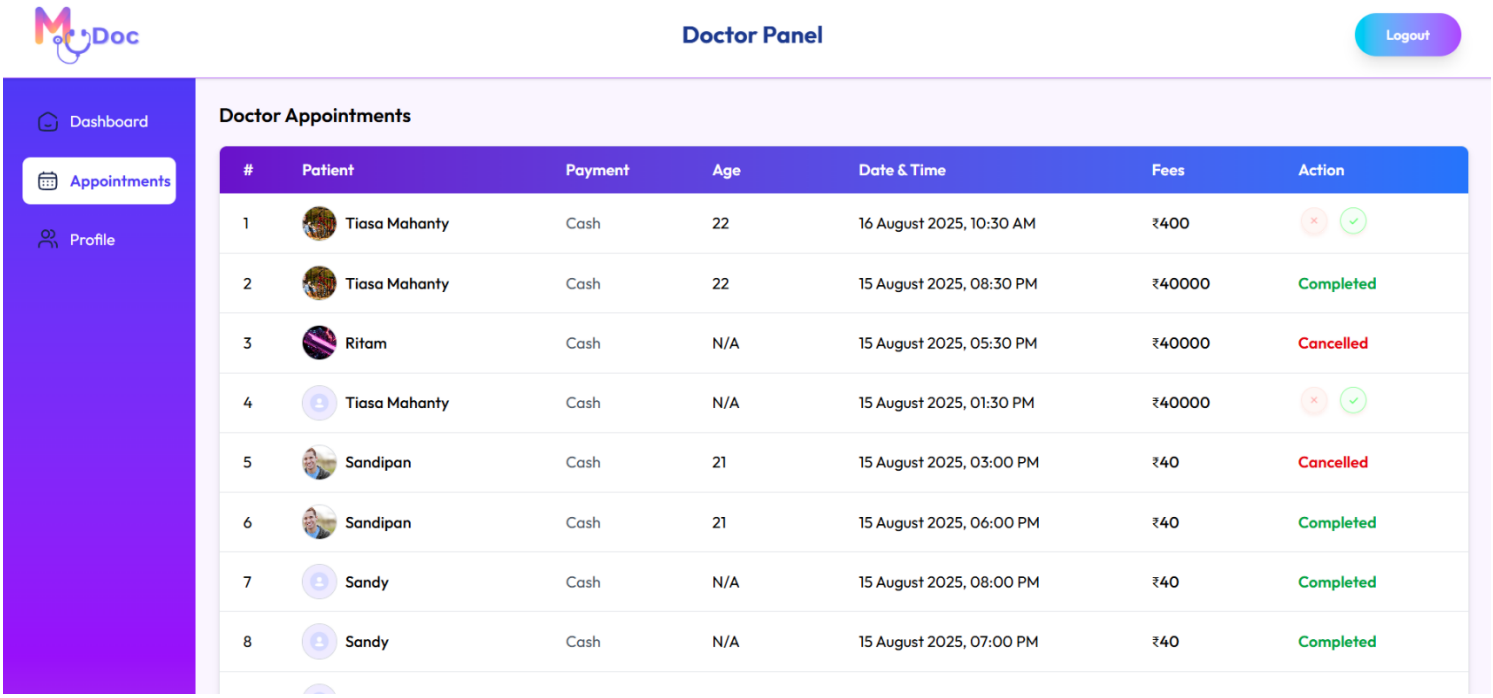
component: Sidebar.jsx:-

```
import React, { useContext } from "react"
import { AdminContext } from "../context/AdminContext"
import { NavLink } from "react-router-dom"
import { assets } from "../assets/assets"
import { DoctorContext } from "../context/DoctorContext"

const Sidebar = () => {
  const { aToken } = useContext(AdminContext)
  const { dToken } = useContext(DoctorContext)

  const navItemStyle =
    "flex items-center gap-3 px-4 py-3 rounded-lg w-full transition-all duration-300"

  return (
    <div className="flex min-h-screen w-55 bg-gradient-to-b from-indigo-600 via-purple-600
to-pink-500 p-5">
      {aToken && (
        <ul className="flex flex-col gap-3 w-full">
          <NavLink
            to={"/admin-dashboard"}
            className={({ isActive }) =>
              `${navItemStyle} ${
                isActive
                  ? "bg-white text-indigo-600 font-semibold"
                  : "text-white hover:bg-white hover:text-indigo-600"
              }`
            }
          >
            <img src={assets.home_icon} alt="Dashboard" className="w-5" />
            <p className="hidden md:block">Dashboard</p>
          </NavLink>

          <NavLink
            to={"/all-appointments"}
            className={({ isActive }) =>
              `${navItemStyle} ${
                isActive
                  ? "bg-white text-indigo-600 font-semibold"
                  : "text-white hover:bg-white hover:text-indigo-600"
              }`
```

```
      }
    >
      <img
        src={assets.appointment_icon}
        alt="Appointments"
        className="w-5"
      />
      <p className="hidden md:block">Appointments</p>
    </NavLink>

    <NavLink
      to={"/add-doctor"}
      className={({ isActive }) =>
        `${navItemStyle} ${
          isActive
            ? "bg-white text-indigo-600 font-semibold"
            : "text-white hover:bg-white hover:text-indigo-600"
        }`
      }
    >
      <img src={assets.add_icon} alt="Add Doctor" className="w-5" />
      <p className="hidden md:block">Add Doctor</p>
    </NavLink>

    <NavLink
      to={"/doctor-list"}
      className={({ isActive }) =>
        `${navItemStyle} ${
          isActive
            ? "bg-white text-indigo-600 font-semibold"
            : "text-white hover:bg-white hover:text-indigo-600"
        }`
      }
    >
      <img src={assets.people_icon} alt="Doctors List" className="w-5" />
      <p className="hidden md:block">Doctors List</p>
    </NavLink>
  </ul>
)}




{dToken && (
  <ul className="flex flex-col gap-3 w-full">
    <NavLink
      to={"/doctor-dashboard"}
      className={({ isActive }) =>
        `${navItemStyle} ${
```

```
              isActive
                ? "bg-white text-indigo-600 font-semibold"
                : "text-white hover:bg-white hover:text-indigo-600"
            }`
          }
        >
          <img src={assets.home_icon} alt="Dashboard" className="w-5" />
          <p className="hidden md:block">Dashboard</p>
        </NavLink>

        <NavLink
          to={"/doctor-appointments"}
          className={({ isActive }) =>
            `${navItemStyle} ${
              isActive
                ? "bg-white text-indigo-600 font-semibold"
                : "text-white hover:bg-white hover:text-indigo-600"
            }`
          }
        >
          <img
            src={assets.appointment_icon}
            alt="Appointments"
            className="w-5"
          />
          <p className="hidden md:block">Appointments</p>
        </NavLink>

        <NavLink
          to={"/doctor-profile"}
          className={({ isActive }) =>
            `${navItemStyle} ${
              isActive
                ? "bg-white text-indigo-600 font-semibold"
                : "text-white hover:bg-white hover:text-indigo-600"
            }`
          }
        >
          <img src={assets.people_icon} alt="Doctors List" className="w-5" />
          <p className="hidden md:block">Profile</p>
        </NavLink>
      </ul>
    )}
  </div>
 )
}
export default Sidebar
```

13) APPOINTMENTS PAGE FOR DOCTOR :



✓ **CODE:**

```
import React, { useContext, useEffect } from "react";
import { DoctorContext } from "../../context/DoctorContext";
import { AppContext } from "../../context/AppContext";
import { assets } from "../../assets/assets";

const DoctorAppointments = () => {
  const {
    dToken,
    appointments,
    getAppointments,
    completeAppointment,
    cancelAppointment,
  } = useContext(DoctorContext);

  const { calculateAge, slotDateFormat, currency } = useContext(AppContext);

  useEffect(() => {
    if (dToken) {
      getAppointments();
    }
  }, [dToken]);

  return (
    <div className="w-full p-6">
```

```
      <p className="mb-4 text-xl font-semibold">Doctor Appointments</p>

      <div className="bg-white border border-gray-200 rounded-lg shadow-md overflow-hidden">
        {/* Table Header */}
        <div className="sticky top-0 grid grid-cols-[60px_1.8fr_1fr_1fr_2fr_1fr_1fr] py-3
px-6 border-b text-white font-semibold bg-gradient-to-r from-[#6A11CB] to-[#2575FC] z-10">
          <p>#</p>
          <p>Patient</p>
          <p>Payment</p>
          <p>Age</p>
          <p>Date & Time</p>
          <p>Fees</p>
          <p>Action</p>
        </div>

        {/* Table Rows */}
        {appointments.length > 0 ? (
          appointments
            .slice()
            .reverse()
            .map((item, index) => (
              <div
                key={index}
                className="grid grid-cols-[60px_1.8fr_1fr_1fr_2fr_1fr_1fr] items-center py-3
px-6 border-b border-gray-200 hover:bg-gray-50 transition"
              >
                {/* Index */}
                <p>{index + 1}</p>

                {/* Patient */}
                <div className="flex items-center gap-2">
                  <img
                    className="w-9 h-9 rounded-full object-cover border border-gray-300"
                    src={item.userData.image || "/default-avatar.png"}
                    alt=""
                  />
                  <p className="font-medium">{item.userData.name}</p>
                </div>

                {/* Payment */}
                <p className={item.payment ? "text-green-600" : "text-gray-600"}>
                  {item.payment ? "Online" : "Cash"}
                </p>

                {/* Age */}
                <p>{calculateAge(item.userData.dob) || "N/A"}</p>

                {/* Date & Time */}
                <p>
                  {slotDateFormat(item.slotDate)}, {item.slotTime}
```

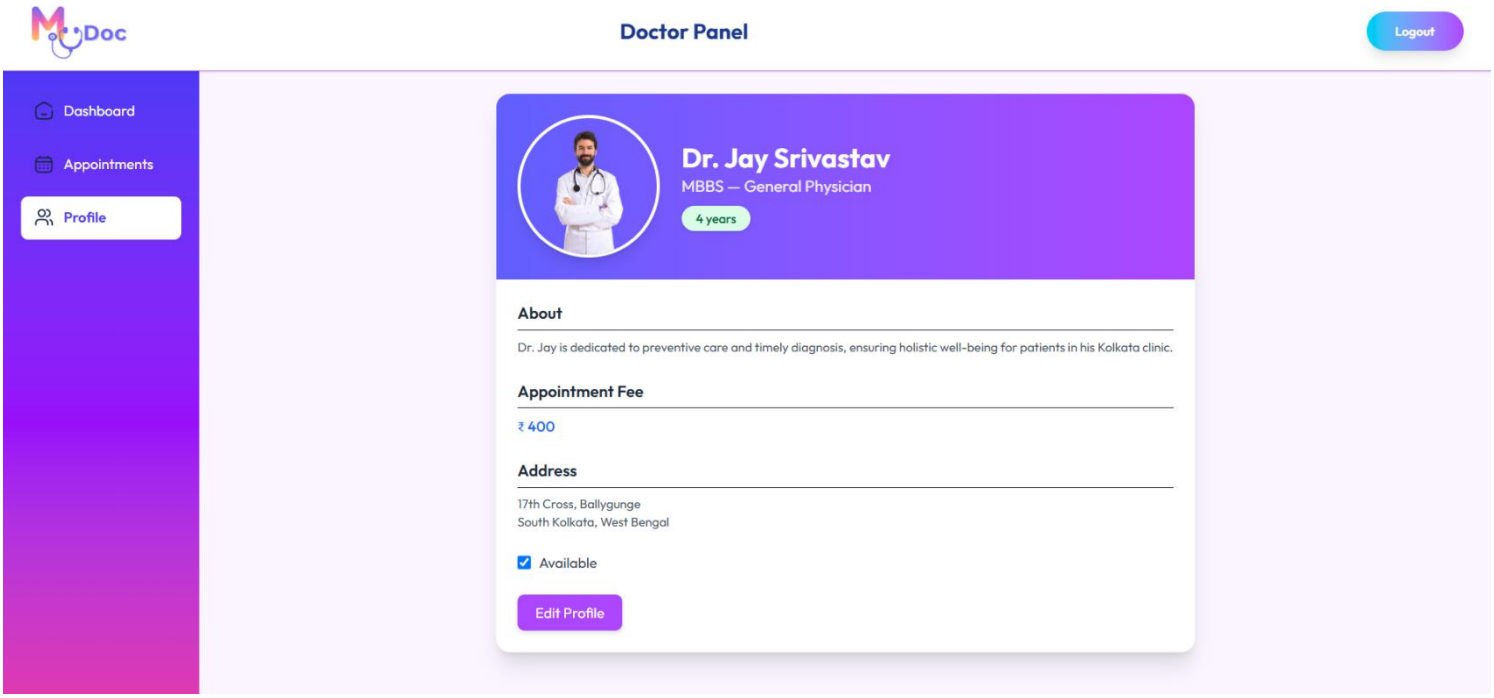
```
              </p>

              {/* Fees */}
              <p className="font-medium">
                {currency}
                {item.amount}
              </p>

              {/* Action */}
              {item.cancelled ? (
                <p className="text-red-600 font-semibold">Cancelled</p>
              ) : item.isCompleted ? (
                <p className="text-green-600 font-semibold">Completed</p>
              ) : (
                <div className="flex gap-2">
                  <img
                    onClick={() => cancelAppointment(item._id)}
                    className="w-8 h-8 cursor-pointer hover:scale-110 transition"
                    src={assets.cancel_icon}
                    alt="Cancel"
                  />
                  <img
                    onClick={() => completeAppointment(item._id)}
                    className="w-8 h-8 cursor-pointer hover:scale-110 transition"
                    src={assets.tick_icon}
                    alt="Complete"
                  />
                </div>
              )}
            </div>
          ))
        ) : (
          <div className="p-6 text-center text-gray-500">
            No appointments found.
          </div>
        )}
      </div>
    </div>
  );
};

          export default DoctorAppointments;});

          setLoading(false);
          setLectures(data.lectures);
        } catch (error) {
          console.log(error);
          setLoading(false);
        }
      }
```

```
async function fetchLecture(id) {
  setLecLoading(true);
  try {
    const { data } = await axios.get(`${server}/api/lecture/${id}`, {
      headers: {
        token: localStorage.getItem("token"),
      },
    });

    setLecture(data.lecture);
    setLecLoading(false);
  } catch (error) {
    console.log(error);
    setLecLoading(false);
  }
}

const changeVideoHandler = (e) => {
  const file = e.target.files[0]; const
  reader = new FileReader();
  reader.readAsDataURL(file);
  reader.onloadend = () => {
    setVideoPrev(reader.result);
    setVideo(file);
  };
};

const submitHandler = async (e) => {
  e.preventDefault(); setBtnLoading(true);
  const myForm = new FormData();

  myForm.append("title", title);
  myForm.append("description", description);
  myForm.append("file", video);

  try {
    const { data } = await axios.post(
      `${server}/api/course/${params.id}`,
      myForm,
      {
        headers: {
          token: localStorage.getItem("token"),
        },
        }
    );

    toast.success(data.message);
    setBtnLoading(false);
    setShow(false);
    fetchLectures();
    setTitle("");
    setDescription("");
```

```
    setVideo("");
    setVideoPrev("");
  } catch (error) {
    toast.error(error.response.data.message);
    setBtnLoading(false);
  }
};

const deleteHandler = async (id) => {
  if (confirm("Are you sure you want to delete this lecture")) { try
    {
      const { data } = await axios.delete(`${server}/api/lecture/${id}`, {
        headers: {
          token: localStorage.getItem("token"),
        },
      });

      toast.success(data.message);
      fetchLectures();
    } catch (error) {
      toast.error(error.response.data.message);
    }
  }
};

useEffect(() => {
  fetchLectures();
}, []);
return (
  <>
     {loading ? (
       <Loading />
     ) : (
       <>
         <div className="lecture-page">
           <div className="left">
             {lecLoading ? (
               <Loading />
             ) : (
               <>
                {lecture.video ? (
                  <>
                    <video
                    controlsList="nodownload noremoteplayback"
                    disablePict              disableRemotePlayback autoPlay
                    ></video>
                    <h1>{lecture.title}</h1>
                    <h3>{lecture.description}</h3>
                     </>
                 ) : (
                <h1>Please Select Your Lecture</h1>
```

```
                )}
              </>
            )}
          </div>
          <div className="right">
            {user && user.role === "admin" && (
              <button className="add-btn mt-3" onClick={() =>setShow(!show)}>{show ?
              "Close" : "Add Lecture"}
</button>
                                    )}


            {show && (
              <div className="lecture-form">
                <h2>Add Lecture</h2>
                <form onSubmit={submitHandler}>
                  <label htmlFor="text">Title</label>
                  <input
                    type="text"
                    value={title}
                    onChange={(e) => setTitle(e.target.value)}
                    required
                  />
                  <label htmlFor="text">Description</label>
                  <input
                    type="text" value={description}
                    onChange={(e) => setDescription(e.target.value)}
                    required
                  />
                  <input
                    type="file" placeholder="choose
                    video"
                    onChange={changeVideoHandler}
                    required
                  />

                  {videoPrev && (
                    <video src={videoPrev} width={"300"} controls></video>
                  )}

                  <button disabled={btnLoading} type="submit">
```

14) APPOINTMENTS PAGE FOR DOCTOR :



✓ **CODE:**

```
import React, { useContext, useEffect, useState } from "react";
import { DoctorContext } from "../../context/DoctorContext";
import { AppContext } from "../../context/AppContext";
import axios from "axios";
import { toast } from "react-toastify";

const DoctorProfile = () => {
  const { dToken, profileData, setProfileData, getProfileData, backendUrl } =
    useContext(DoctorContext);
  const { currency } = useContext(AppContext);
  const [isEdit, setIsEdit] = useState(false);

  const updateProfile = async () => {
    try {
      const updateData = {
        address: profileData.address,
        fees: profileData.fees,
        available: profileData.available,
      };

      const { data } = await axios.post(
        backendUrl + "/api/doctor/update-profile",
        updateData,
        { headers: { dToken } }
      );
```

```
      if (data.success) {
        toast.success(data.message);
        setIsEdit(false);
        getProfileData();
      } else {
        toast.error(data.message);
      }
    } catch (error) {
      toast.error(error.message);
      console.log(error);
    }
  };

  useEffect(() => {
    if (dToken) {
      getProfileData();
    }
  }, [dToken]);

  return (
    profileData && (
      <div className="max-w-4xl mx-auto p-6">
        {/* Profile Card */}
        <div className="bg-white rounded-2xl shadow-xl overflow-hidden border border-gray-
100">
          {/* Top Banner */}
          <div className="bg-gradient-to-r from-indigo-500 to-purple-500 p-6 flex flex-col
sm:flex-row items-center gap-6">
            <img
              className="w-40 h-40 rounded-full border-4 border-white shadow-lg object-
cover"
              src={profileData.image}
              alt={profileData.name}
            />
            <div className="text-center sm:text-left text-white">
              <h1 className="text-3xl font-bold">{profileData.name}</h1>
              <p className="text-lg opacity-90">
                {profileData.degree} – {profileData.speciality}
              </p>
              <span className="inline-block mt-2 px-4 py-1 bg-green-100 text-green-800
rounded-full text-sm font-medium shadow-sm">
                {profileData.experience}
              </span>
            </div>
          </div>

          {/* Info Section */}
          <div className="p-6 space-y-6">
            {/* About */}
```

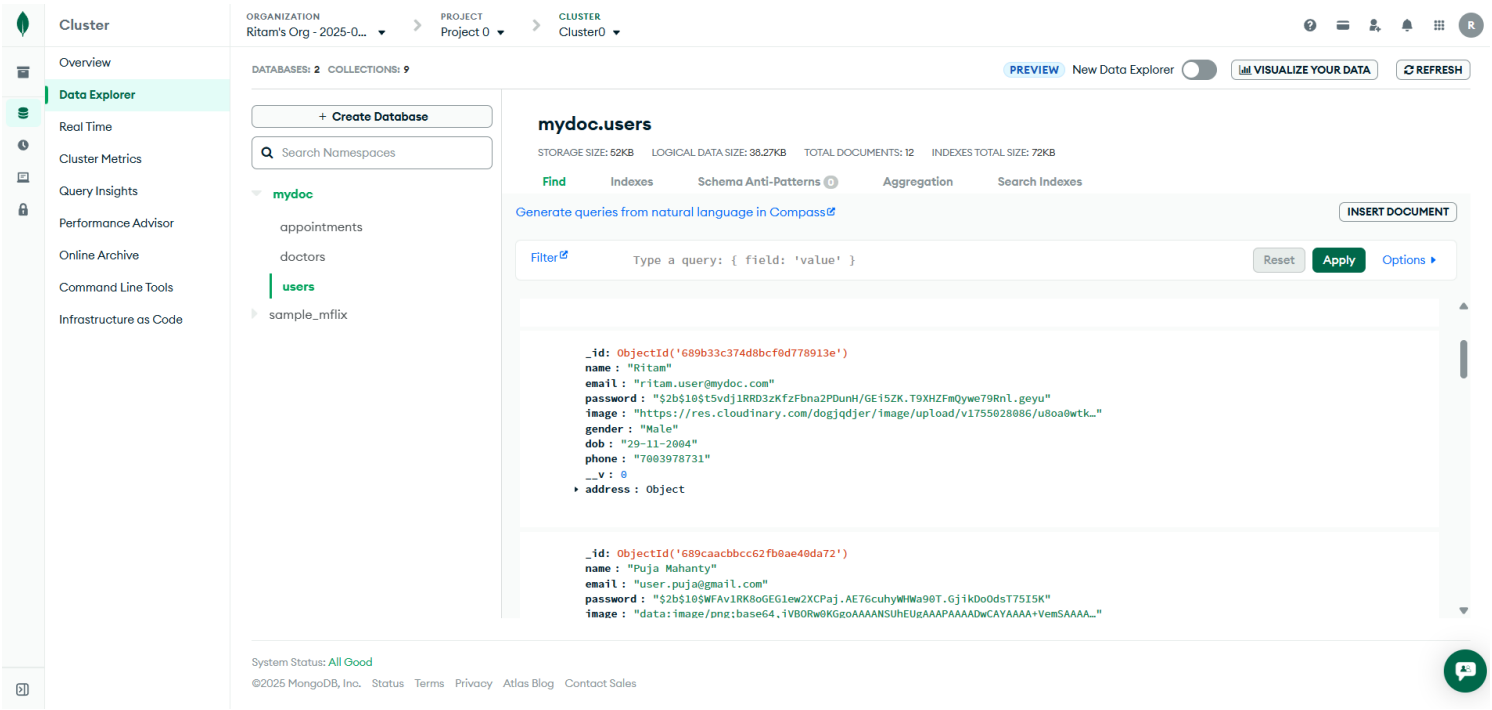
```
<section>
  <h2 className="text-lg font-semibold text-gray-800 border-b pb-1 mb-2">
    About
  </h2>
  <p className="text-gray-600 leading-relaxed text-sm">
    {profileData.about}
  </p>
</section>

{/* Appointment Fee */}
<section>
  <h2 className="text-lg font-semibold text-gray-800 border-b pb-1 mb-2">
    Appointment Fee
  </h2>
  <p className="text-blue-600 font-medium">
    {currency}{" "}
    {isEdit ? (
      <input
        type="number"
        className="border border-gray-300 rounded-lg px-2 py-1 w-28"
        onChange={(e) =>
          setProfileData((prev) => ({
            ...prev,
            fees: e.target.value,
          }))
        }
        value={profileData.fees}
      />
    ) : (
      profileData.fees
    )}
  </p>
</section>

{/* Address */}
<section>
  <h2 className="text-lg font-semibold text-gray-800 border-b pb-1 mb-2">
    Address
  </h2>
  <p className="text-gray-600 text-sm">
    {isEdit ? (
      <>
        <input
          type="text"
          className="border border-gray-300 rounded-lg px-2 py-1 w-full mb-2"
          onChange={(e) =>
            setProfileData((prev) => ({
              ...prev,
              address: { ...prev.address, line1: e.target.value },
            }))
```

```
            }
            value={profileData.address.line1}
          />
          <input
            type="text"
            className="border border-gray-300 rounded-lg px-2 py-1 w-full"
            onChange={(e) =>
              setProfileData((prev) => ({
                ...prev,
                address: { ...prev.address, line2: e.target.value },
              }))
            }
            value={profileData.address.line2}
          />
        </>
      ) : (
        <>
          {profileData.address.line1}
          <br />
          {profileData.address.line2}
        </>
      )}
    </p>
  </section>

  {/* Availability */}
  <section>
    <div className="flex items-center gap-2">
      <input
        onChange={() =>
          isEdit &&
          setProfileData((prev) => ({
            ...prev,
            available: !prev.available,
          }))
        }
        checked={profileData.available}
        type="checkbox"
        id="available"
        className="w-4 h-4"
      />
      <label htmlFor="available" className="text-gray-700">
        Available
      </label>
    </div>
  </section>

  {/* Buttons */}
  <div className="flex gap-3">
    {isEdit ? (
```

```
                <button
                  onClick={updateProfile}
                  className="px-5 py-2 bg-green-500 hover:bg-green-600 text-white rounded-lg
shadow-md transition"
                >
                  Save
                </button>
              ) : (
                <button
                  onClick={() => setIsEdit(true)}
                  className="px-5 py-2 bg-purple-500 hover:bg-purple-600 text-white rounded-
lg shadow-md transition"
                >
                  Edit Profile
                </button>
              )}
            </div>
          </div>
        </div>
      </div>
    )
  );
};

export default DoctorProfile;
```

❖ BACKEND:-

1) USER AND ADMIN DATA:



- **Database - mongodb.js:**

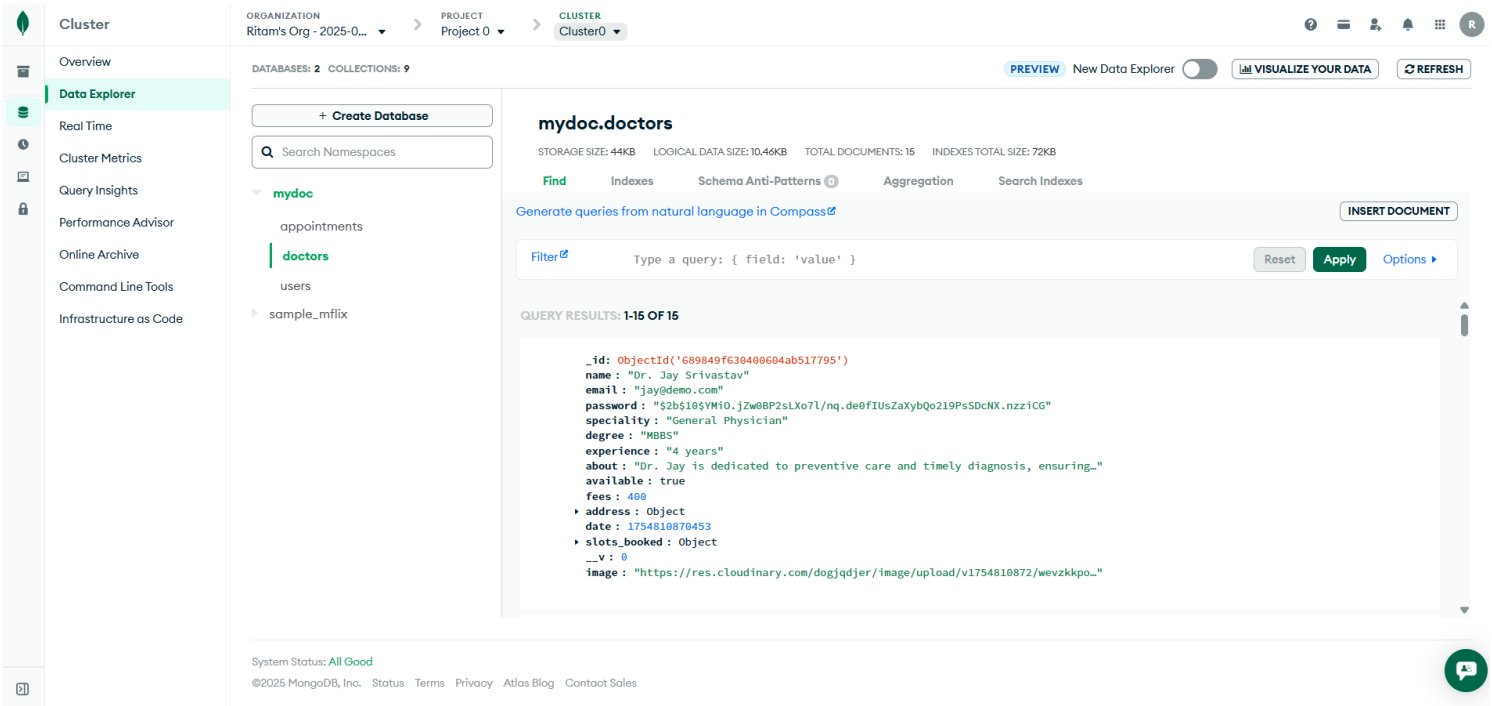
```
import mongoose from 'mongoose';
const connectDB = async () => {
mongoose.connection.on('connected', () => console.log("Database Connected"));
await mongoose.connect(`${process.env.MONGO_URI}/mydoc`)
}
export default connectDB;
```

model: usermodel.js:-

```
import mongoose from "mongoose"

const userSchema = new mongoose.Schema(
  {
    name: { type: String, required: true },
    email: { type: String, required: true, unique: true },
    password: { type: String, required: true },
    image: { type: String, default:
"
To0AAAAAXNSR0IArs4c6QAAAARnQU1BAACxjwv8YQUAAA5uSURBVHgB7d0JchvHFcbxN+C+iaBbqQolmzFsaWqHMA5QXID+
wZJTmDnBLZu4BvER4hvYJ/AE4ZQUAAA5uSURBVHgB7d0JchvHFcbxN+C+iaBbqQolmzFsaWqHMA5QXID+wZJTmDnBLZu4BvER4hvYJ/AE4ZQUAAA5uSURBVHgB7d0JchvHFcbxN+C+iaBbqQolmzFsaWqHMA5QXID+
wdruAQ4AAotCdnRbUdtcJOg74XhbkMtCr08iJhDgkBrkmv0uWV9vgsrNDeRd/z3lHxtSrz0kIe6HlDjQhwxVRtD0+Kfq
1n+v5b/Z9lKQ/x8gJVuQ5Zc6fr5PrvWyzBvYuCvLZEkKtEBZ6yFIJbOmkVD4JcHQI8JSkF9zqFWANyalYryJgeAjxh6p
Ac5ME9OrOkaWDu8LQI8+oSg13TQoAnSKPKe8d+RpWroHvZGrlundOsngYCPAGqurtHl/dL8S5VYnUnqMaTRYDHpL6uKk
zVs6Y8Kqux5nKrGjP3enwEeAwHp8VAFYaj8QG1VrbWaFKPi5dvBGoyvz4gvONQNX61X4wbYHQEeEj64O3sp3l7aNI02N
```

```
c8KkbtMRqa0EPQXODmIf3dSdPtJrVqHiwbhkQFHpDC++aA8E6L+sW7R4YhUYEHcNy6XIWD6dGtJm1aoMEtRqgHQwW+B+
Gtllo6GiBkic1gCPAdrq5/RXX0utOcHgwBvkXZ50U9dJ+YEN+PAN9AA1UabWZOc73UJ+YW090I8DXlJA1Gm8OgW0xHp4
ZbEOBrdpnXHJz9RNdVD4IAX6G5zawoChMX1psR4L5yBw2ESeFlUOtdBNgul7khbGpGZRUngvoAg4PkwGJOiuGCd6dfC"
},
    address: { type: Object, dafault: {line1: '', line2: ''}},
    gender: { type: String, default: "Not Selected" },
    dob: { type: String, default: "Not Selected" },
    phone: { type: String, default: '0000000000' },
  },
  { minimize: false }
);

const userModel = mongoose.models.user || mongoose.model("user", userSchema);

export default userModel;
```

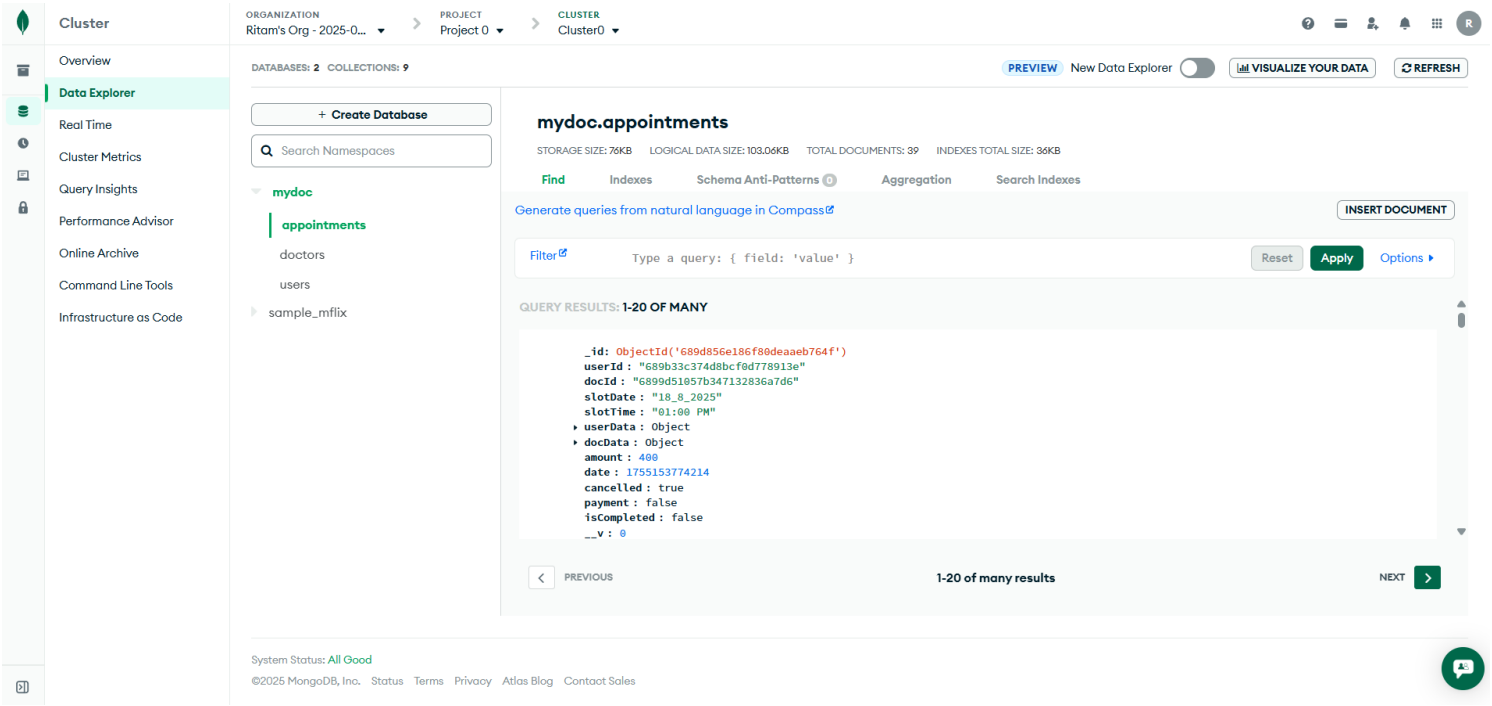
2) DOCTOR DATA:



- **model – doctorModel.js :-**

```
import e from "express";
import mongoose from "mongoose";

const doctorSchema = new mongoose.Schema(
  {
    name: { type: String, required: true },
    email: { type: String, required: true, unique: true },
    password: { type: String, required: true },
    image: { type: String, required: true },
    speciality: { type: String, required: true },
    degree: { type: String, required: true },
    experience: { type: String, required: true },
    about: { type: String, required: true },
    available: { type: Boolean, default: true },
    fees: { type: Number, required: true },
    address: { type: Object, required: true },
    date: { type: Number, required: true },
    slots_booked: { type: Object, default: {} },
  },
  { minimize: false }
);
const doctorModel = mongoose.models.doctor || mongoose.model("doctor", doctorSchema);

export default doctorModel;
```

3) APPOINTMENT DATA



- **model – appointmentModel.js :-**

```
import mongoose from "mongoose";

const appointmentSchema = new mongoose.Schema({
  userId: { type: String, required: true },
  docId: { type: String, required: true },
  slotDate: { type: String, required: true },
  slotTime: { type: String, required: true },
  userData: { type: Object, required: true },
  docData: { type: Object, required: true },
  amount: { type: Number, required: true },
  date: { type: Number, required: true },
  cancelled: { type: Boolean, default: false },
  payment: { type: Boolean, default: false },
  isCompleted: { type: Boolean, default: false },
});

const appointmentModel =
  mongoose.models.appointment ||
  mongoose.model("appointment", appointmentSchema);

export default appointmentModel;
```

6. CONCLUSION

The **MyDoc – Doctor Appointment Booking System** is designed to bridge the gap between patients and healthcare providers by offering a secure, efficient, and user-friendly platform for managing medical consultations. Through features such as online appointment booking, real-time slot management, medical record storage, and integrated payment gateways, the system streamlines the healthcare process for all stakeholders.

Built using the **MERN stack** and enhanced with secure authentication, encryption, and compliance with privacy standards such as **HIPAA** and **GDPR**, MyDoc ensures both performance and data security. The adoption of the **Iterative Waterfall Model** during development has allowed for a structured yet flexible approach, enabling the incorporation of user feedback and system improvements throughout the process.

By automating administrative tasks, reducing appointment delays, and enabling remote consultations, MyDoc has the potential to improve healthcare accessibility, reduce operational workload, and enhance the overall patient experience. With continuous updates and feature enhancements, it can adapt to evolving medical needs, ensuring long-term relevance and usability.

7. FUTURE SCOPE & FURTHER ENHANCEMENTS

Future scope :-

The MyDoc – Doctor Appointment Booking System has the potential to expand beyond its current capabilities to meet emerging healthcare needs. In the future, the system can be scaled and adapted to:

- Expand User Base: Support larger networks of doctors, clinics, and hospitals across multiple cities and countries.
- Specialized Medical Services: Include dedicated modules for dental, physiotherapy, mental health, and other specialist appointments.
- Integration with Public Health Systems: Link with government health portals for vaccination drives, public health updates, and digital health IDs.
- Global Telemedicine Services: Enable cross-border consultations with multilingual support and international payment gateways.
- Advanced Teleconsultation Features: Incorporate AI-assisted diagnosis, electronic medical records sharing, and e-prescription automation for remote consultations.
- Research and Data Analytics: Use anonymized patient data for medical research, healthcare trend analysis, and policy-making.
- Preventive Healthcare Programs: Launch wellness plans, regular health check-up reminders, and lifestyle tracking tools.

Further enhancement:-

The **MyDoc – Doctor Appointment Booking System** has been developed to meet the current requirements of patients, doctors, and administrators. However, as healthcare needs evolve and technology advances, the system can be further improved to provide more comprehensive services. Potential areas for enhancement include:

- **AI-Driven Recommendations:** Incorporating artificial intelligence to suggest doctors based on patient symptoms, medical history, and availability.

- **Pharmacy and Diagnostic Lab Integration:** Enabling patients to order prescribed medicines online and book lab tests directly from the platform.

- **Multi-Language Interface:** Offering support for multiple regional and global languages to ensure accessibility for a diverse user base.

- **Insurance and Billing Integration:** Partnering with insurance providers to facilitate easy claim processing and cashless treatments.

- **Offline Functionality:** Allowing appointment booking and record management in low-connectivity areas, with data syncing once internet access is restored.

- **Advanced Data Analytics:** Providing healthcare providers and admins with detailed insights into patient trends, appointment patterns, and treatment outcomes.

8. BIBLIOGRAPHY

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