Hospital Management System(HMS)

A Project By : Mst Hajera Begum Shimla

Id: 0562220005101044
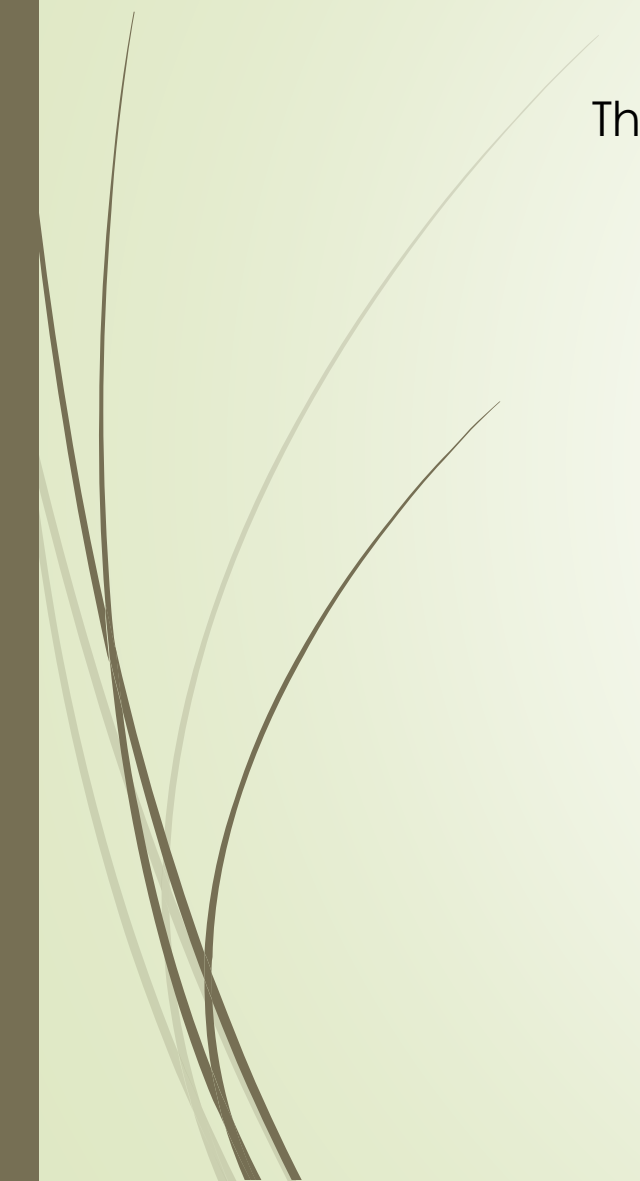
And

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Hospital Management System

- This project is a web-based Hospital Management System that simplifies and automates tasks like doctor registration, appointment booking, and department-wise doctor management.
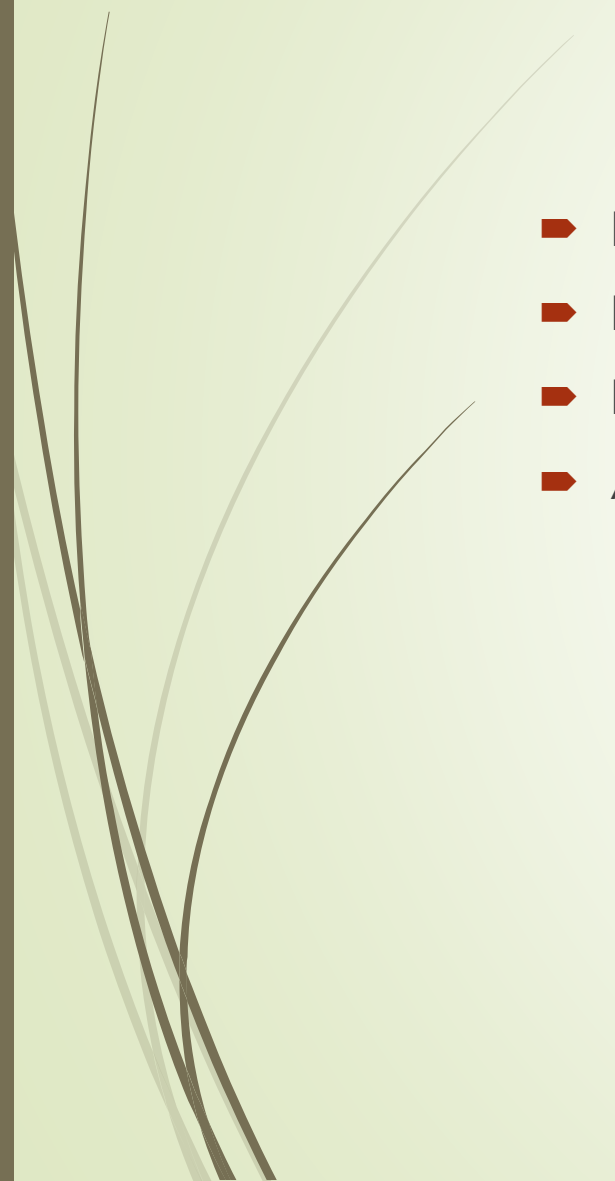
Project Idea Summary

The system automates:

- Patient registration and appointment booking
- Doctor onboarding and dashboard access
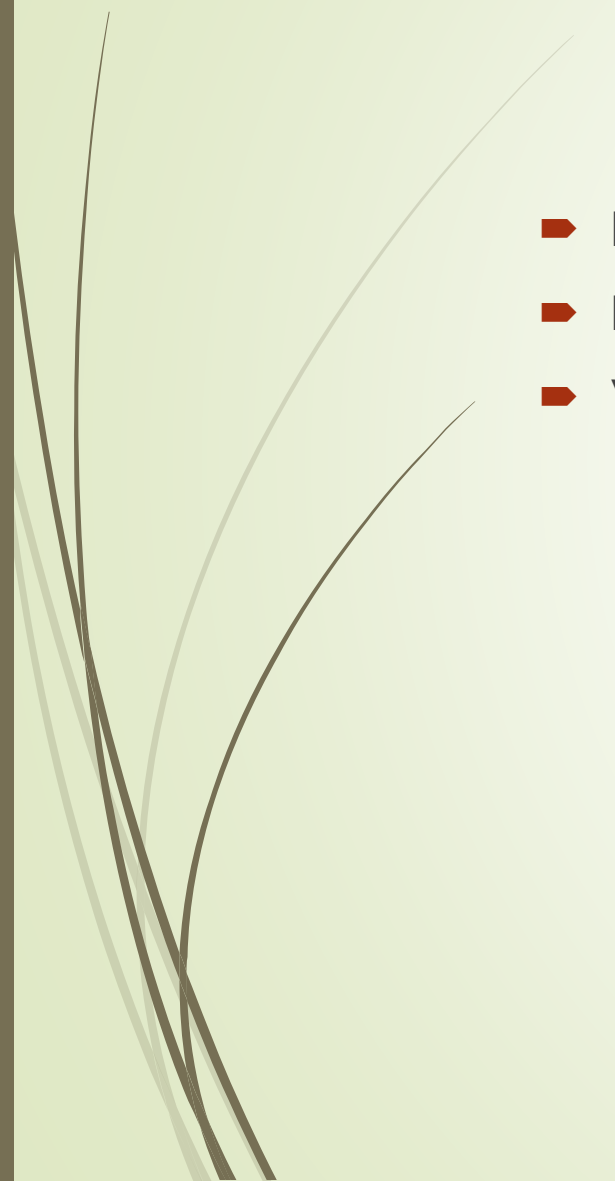- Admin management and doctor supervision

User Panel – Features

- Register, login, and logout
- Book appointments with doctors
- Browse doctors by specialization
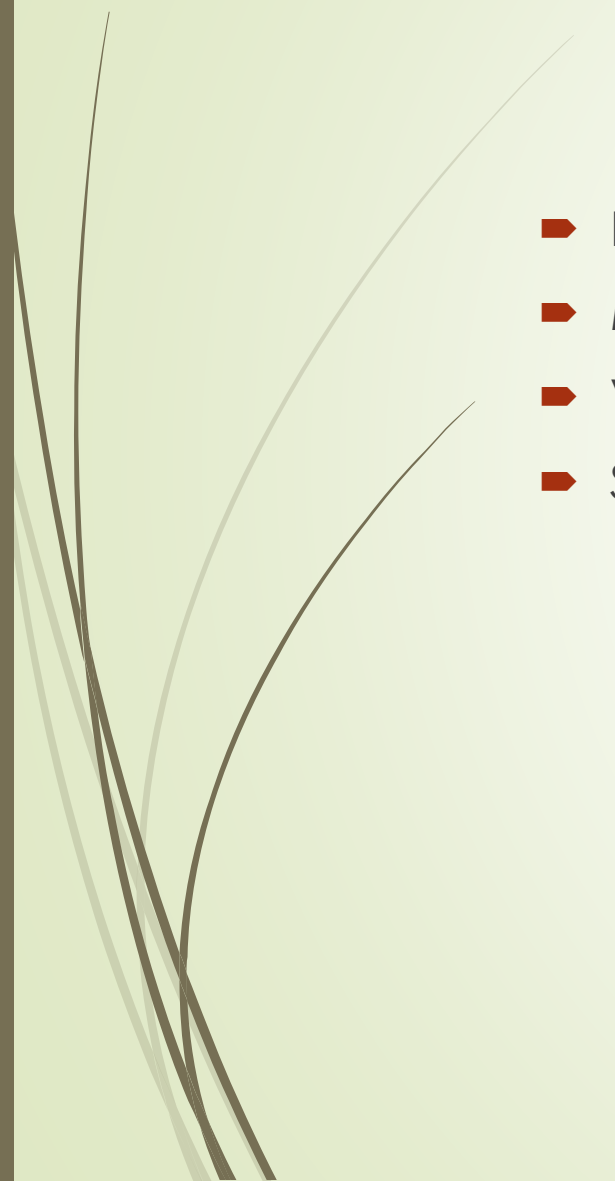- Access department-wise services

Doctor Panel – Features

- Login via email

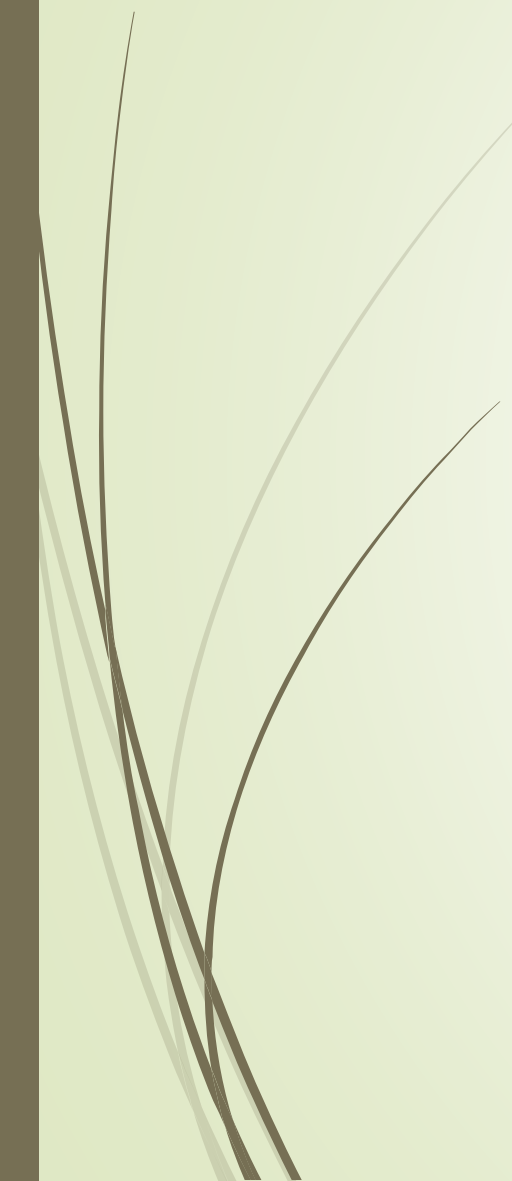- Fill in Add Doctor form

- View own data in doctor dashboard

Admin Panel – Features

- Register and login as admin
- Manage doctor records
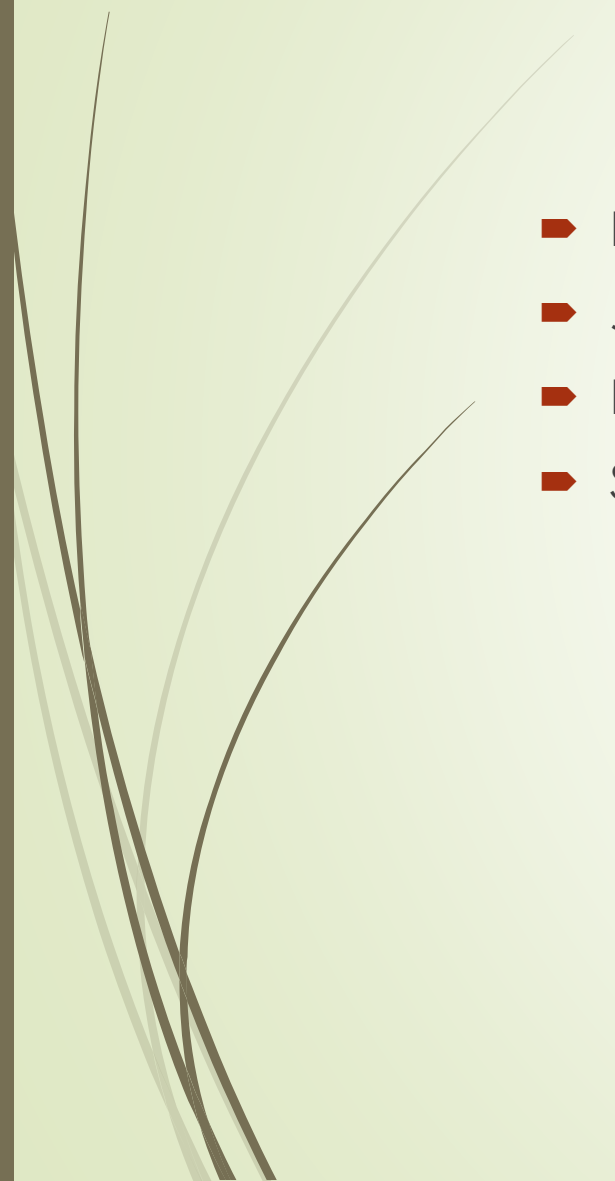- View contact messages
- See list of other admins

Department System

Predefined departments:

- Neurology, Cardiology, Pediatrics, etc.
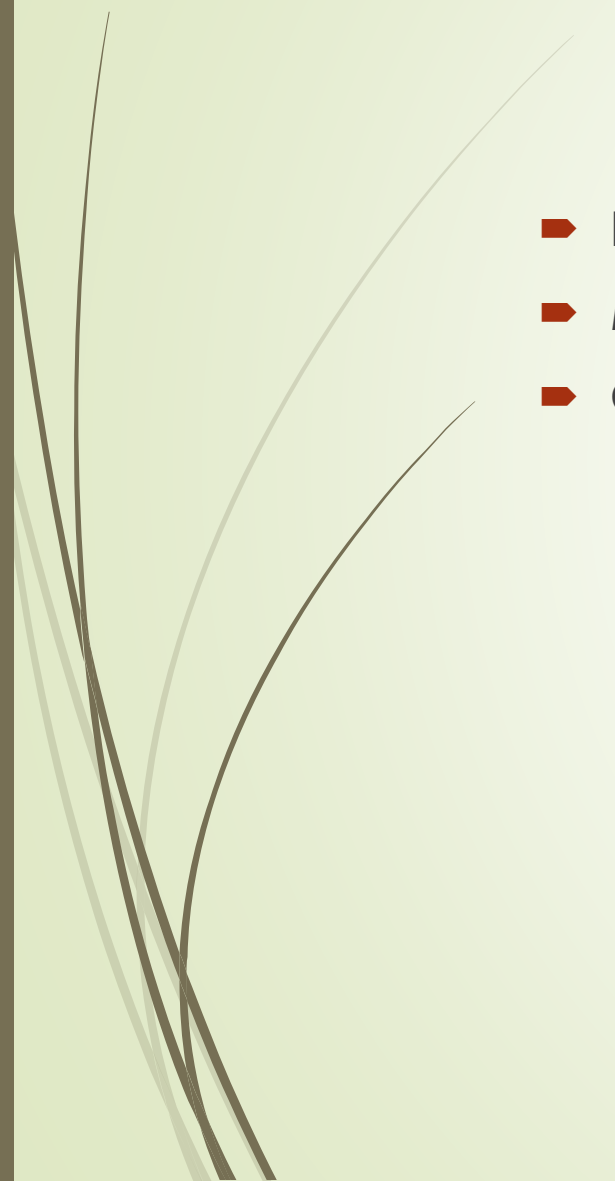- Each department page shows only relevant doctors

Tools – Frontend

- HTML5 & CSS3
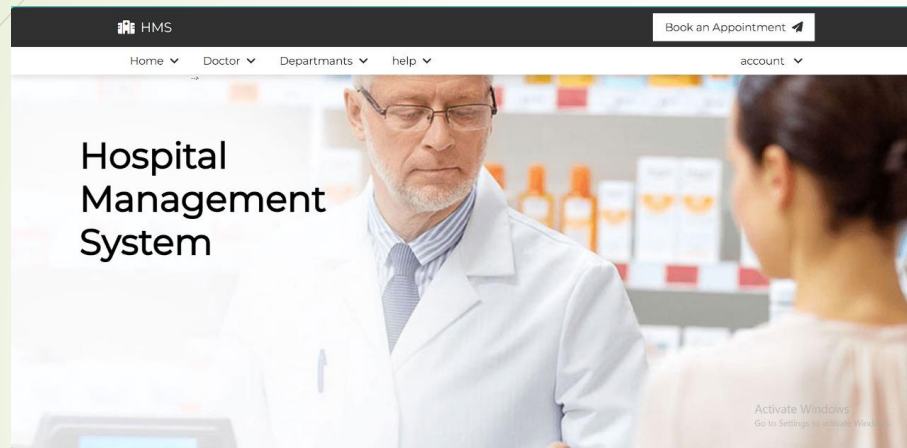- JavaScript
- Font Awesome Icons
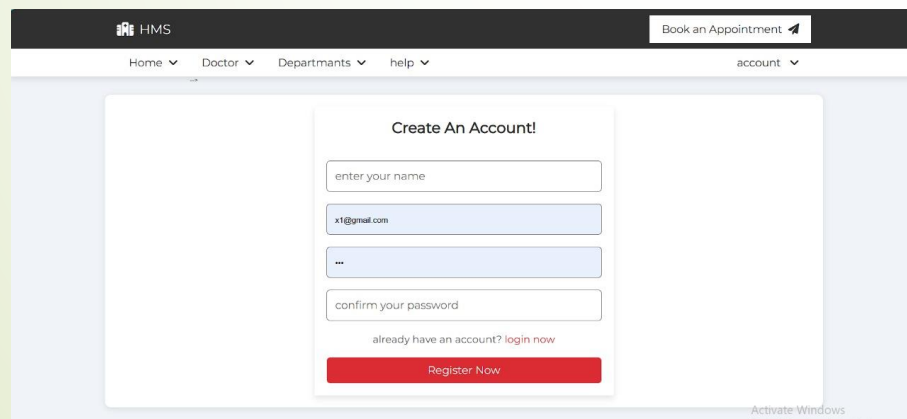- SweetAlert2 for alerts

Tools – Backend & DB

- PHP (Core PHP)
- MySQL for database
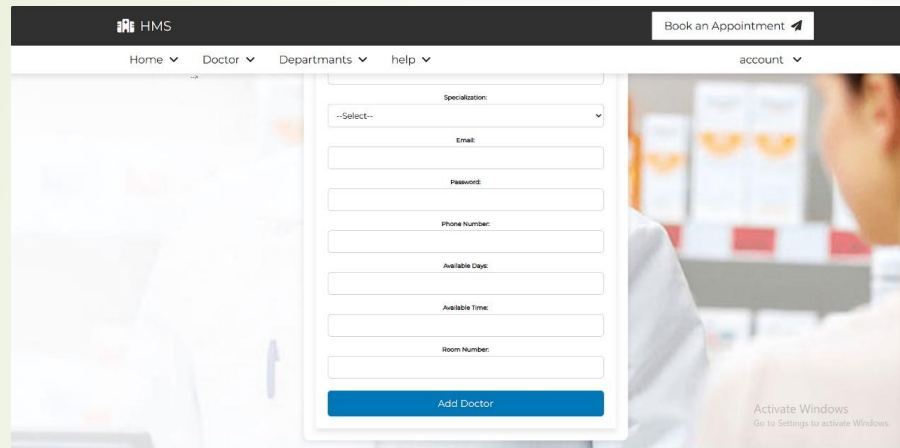- Cookie-based login session management

Images of:

Homepage navigation:

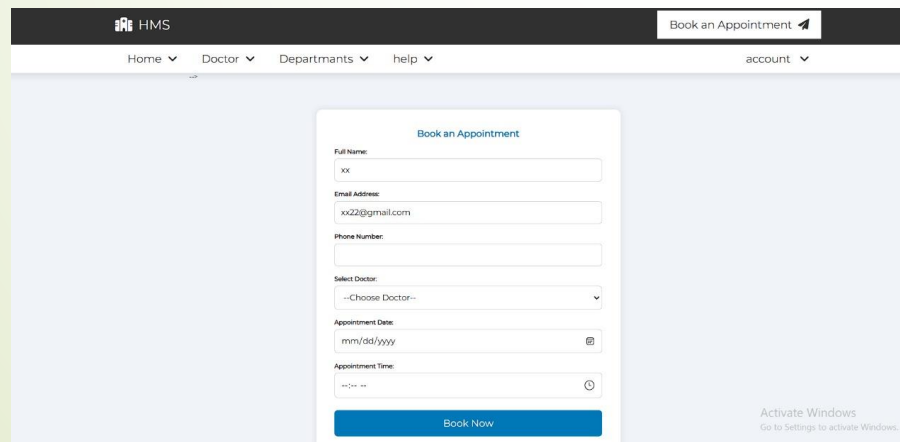Patient register/login page:

Images of:

Add Doctors Form:

Book Appointment:

Images Of:

View Doctors by Department:
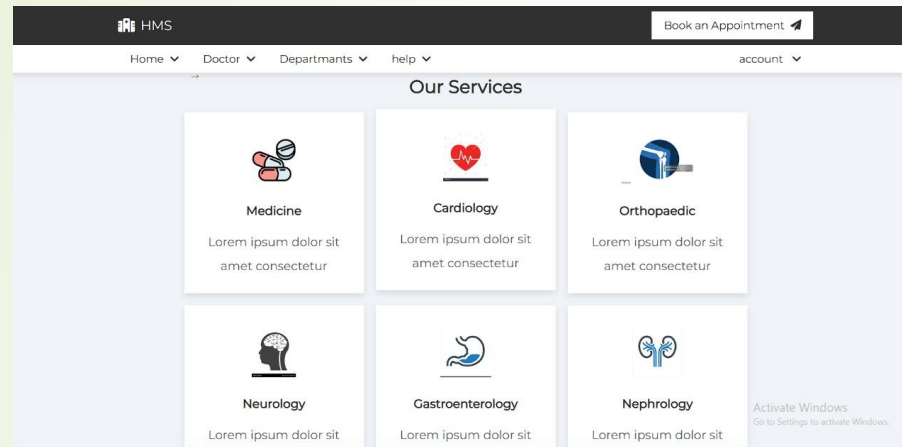
Admin Dashboard:
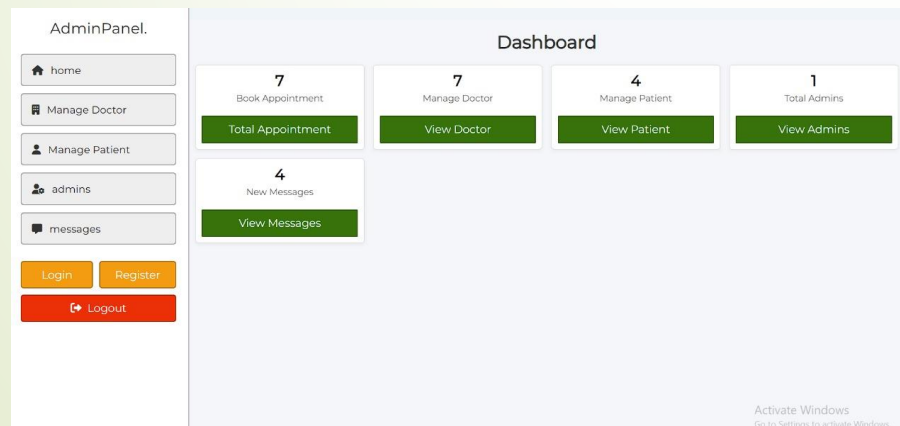
Challenges Faced

- Role conflict with same email for doctor & patient
- Login redirection based on role
- Preventing duplicate email registration
- Filtering doctors department-wise
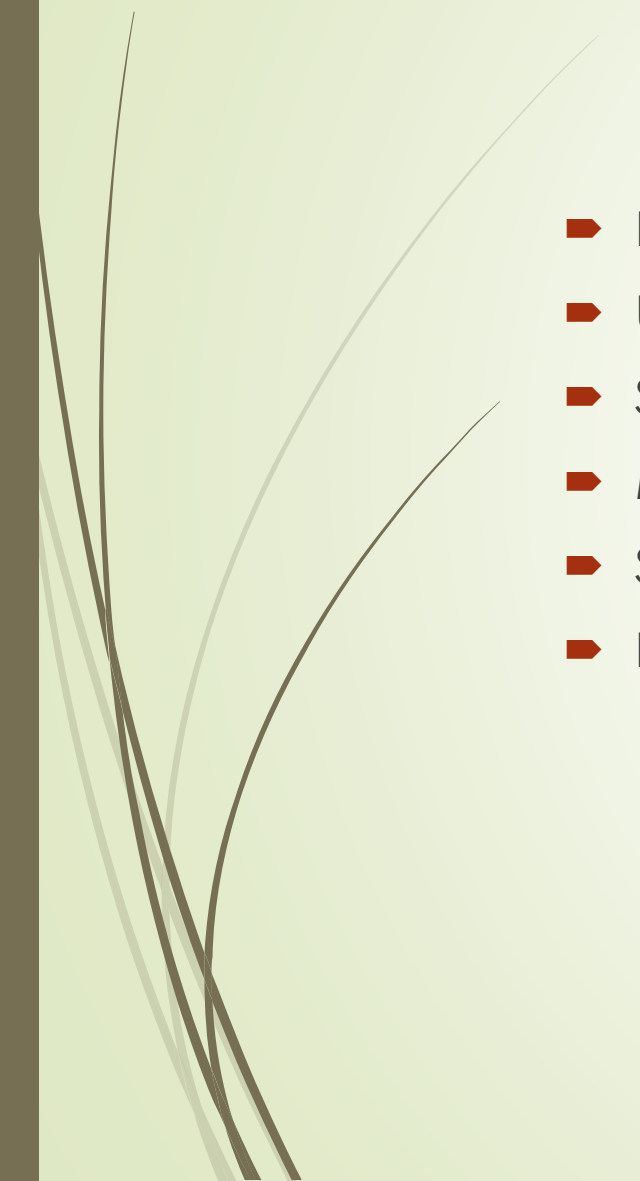- Displaying uploaded doctor photos
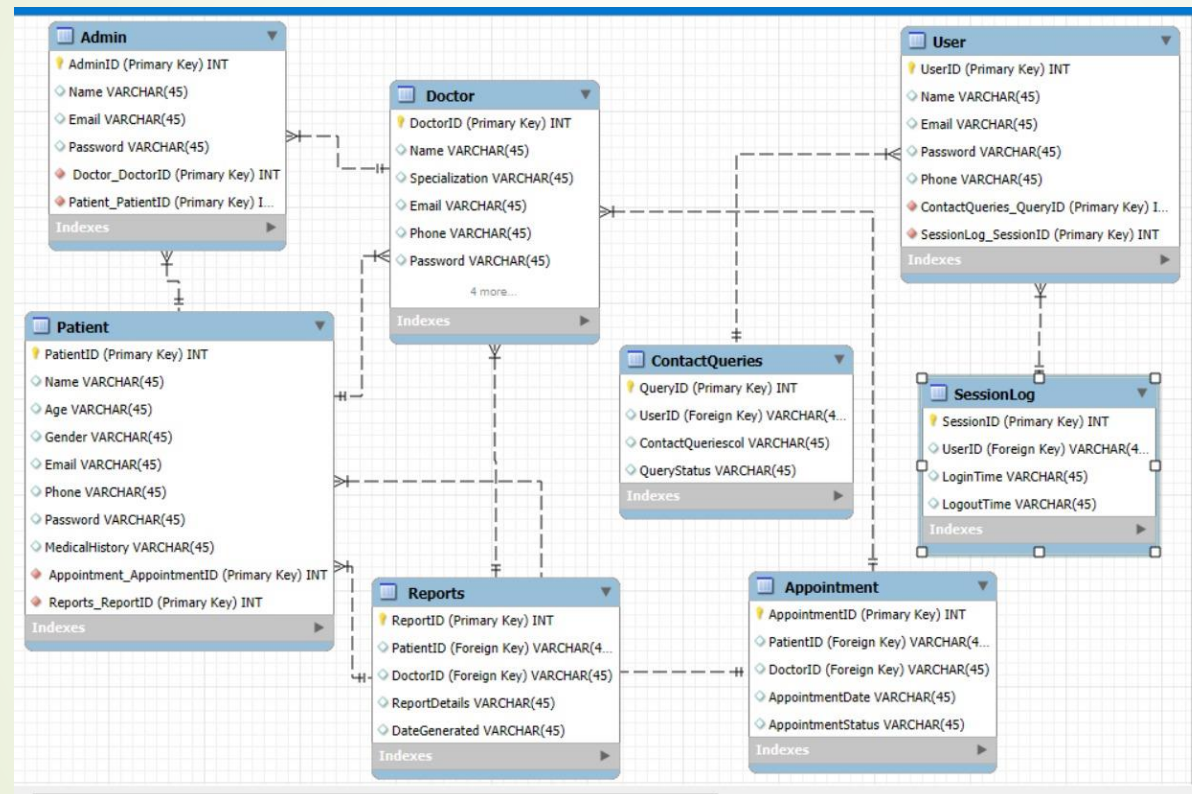- Maintaining database relationships properly

What I Learned

- Role-based login logic

- Using cookies for authentication

- SQL joins to fetch related user & doctor data

- Managing form validation and sanitization

- Structuring files and components properly

- Enhancing UI using CSS and alert libraries

ER Diagram:

Thank You!
Thank you for your Attention!
This project gave me hands-on experience in full-stack web development.