

# Hospital Management System(HMS)

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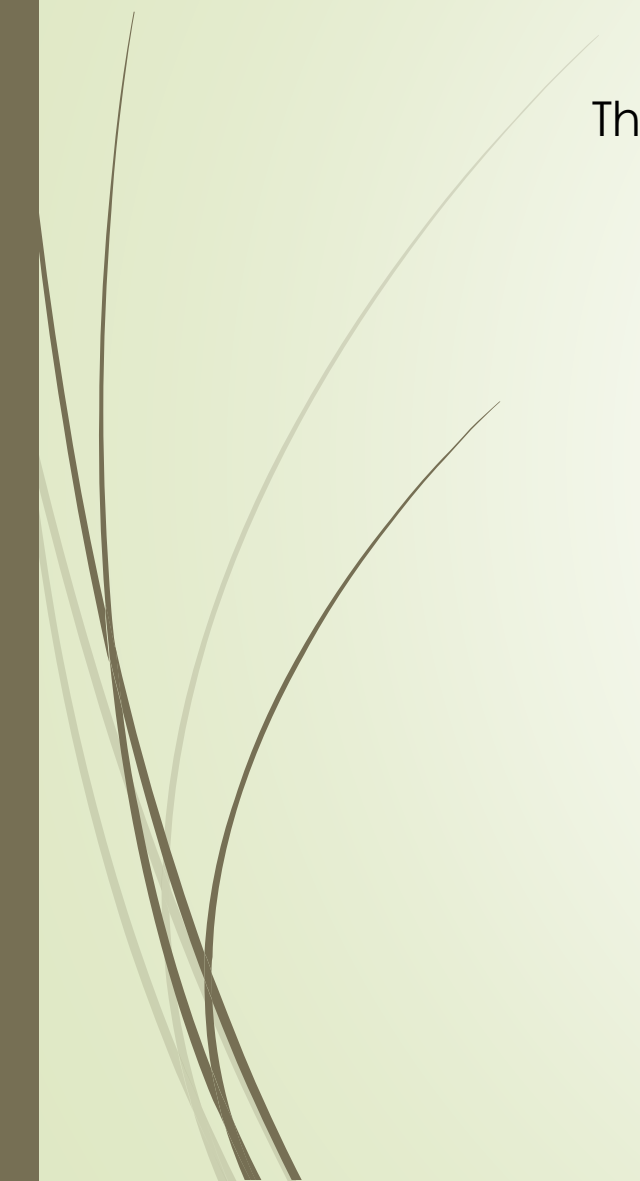
# Hospital Management System


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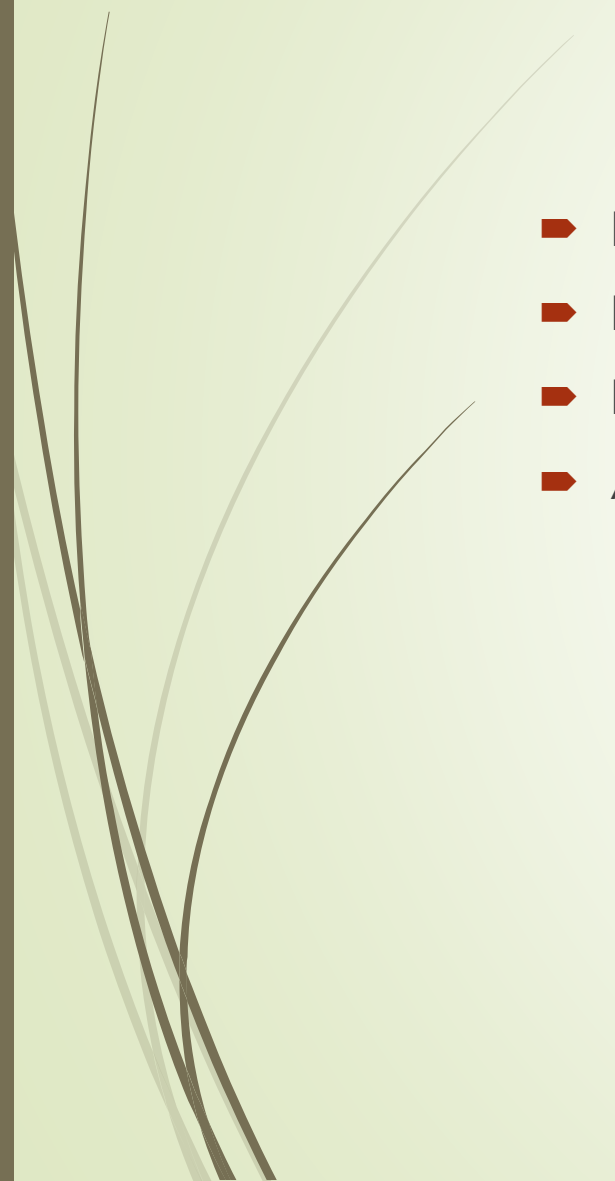
# Project Idea Summary

The system automates:

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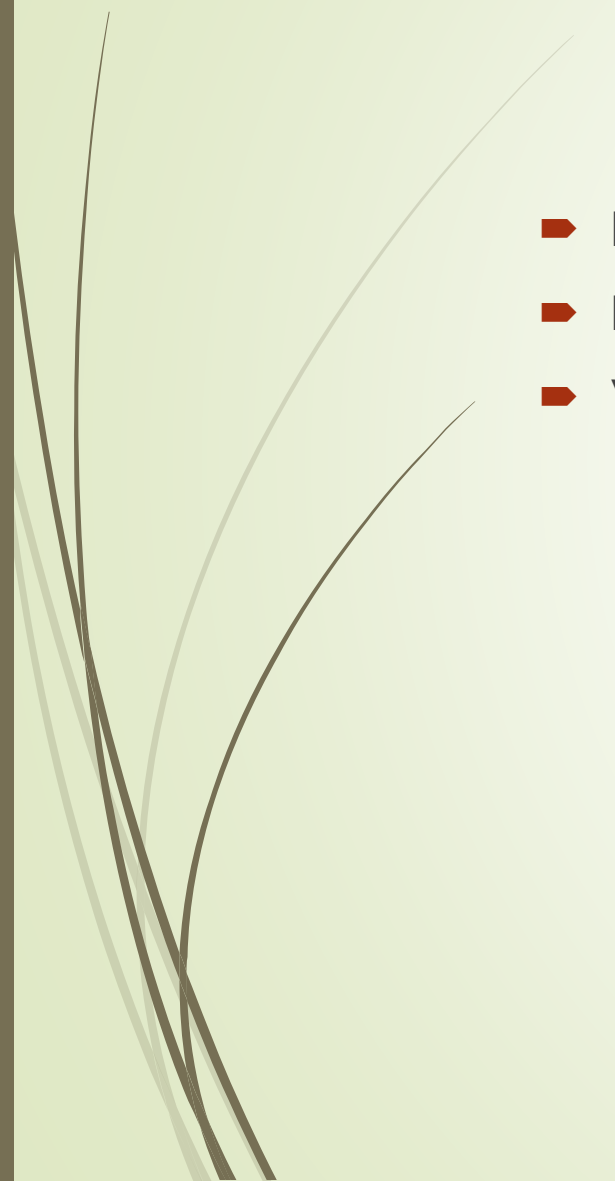


# User Panel – Features

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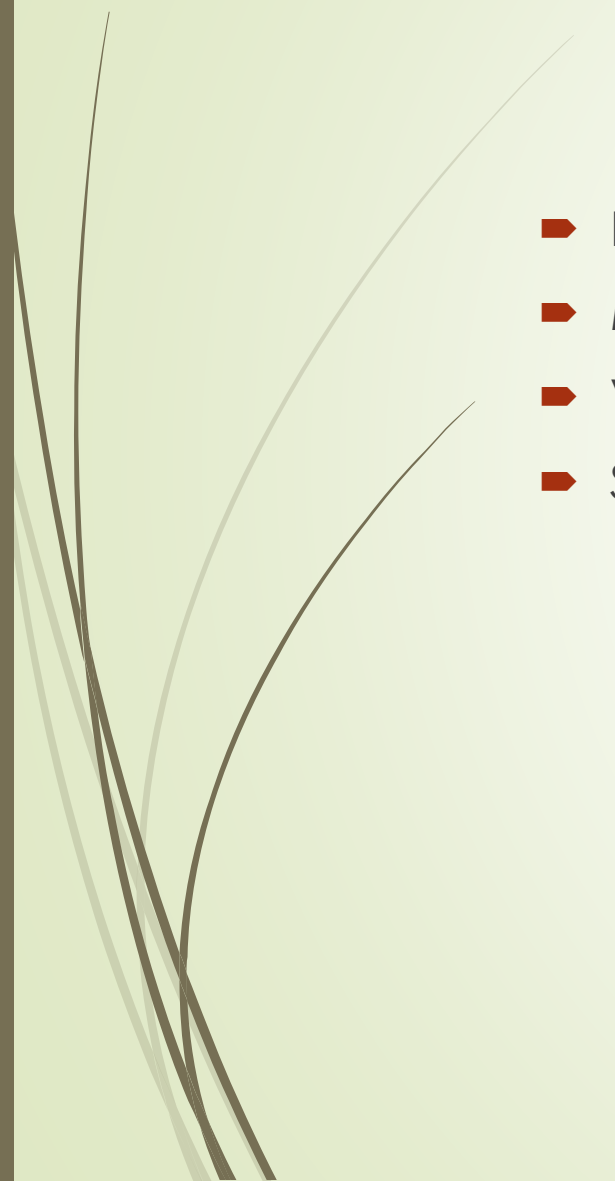


# Doctor Panel – Features

- Login via email
  - Fill in Add Doctor form
  - View own data in doctor dashboard
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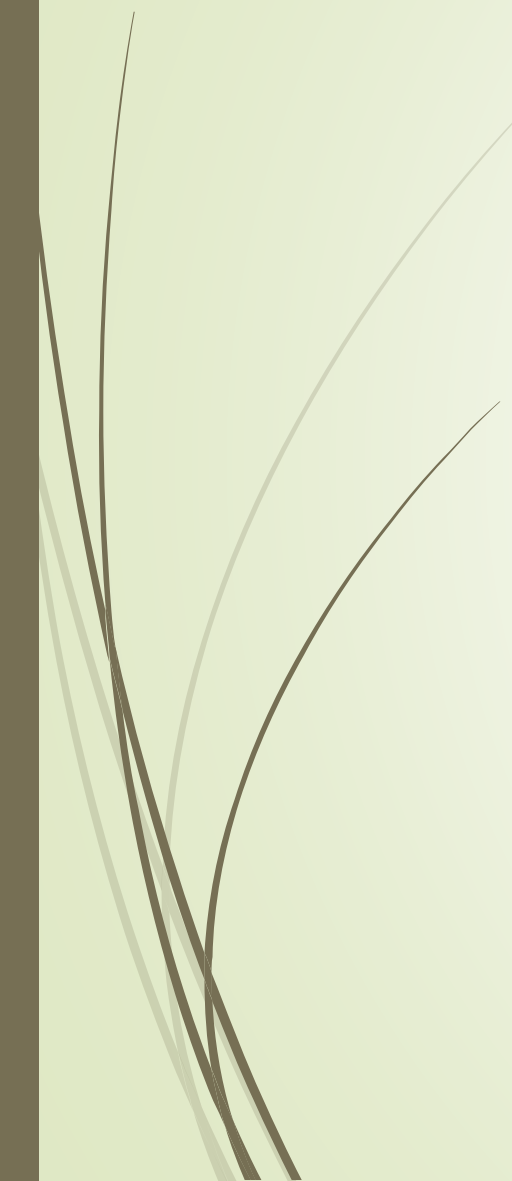
# Admin Panel – Features

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



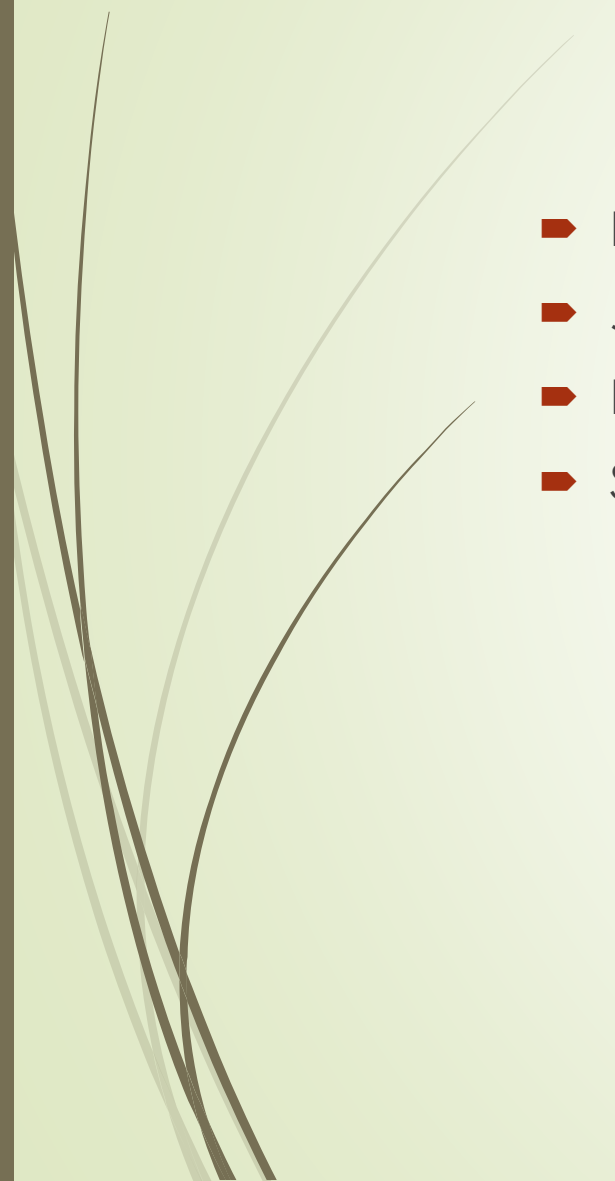
# Department System

Predefined departments:

- Neurology, Cardiology, Pediatrics, etc.
  - Each department page shows only relevant doctors
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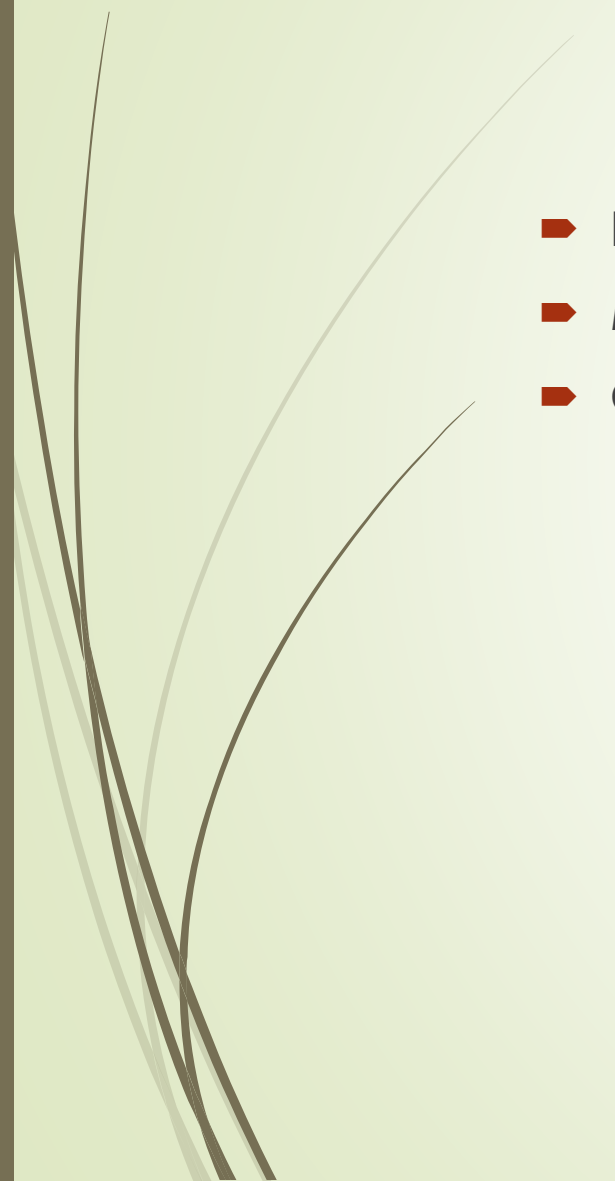
# Tools – Frontend

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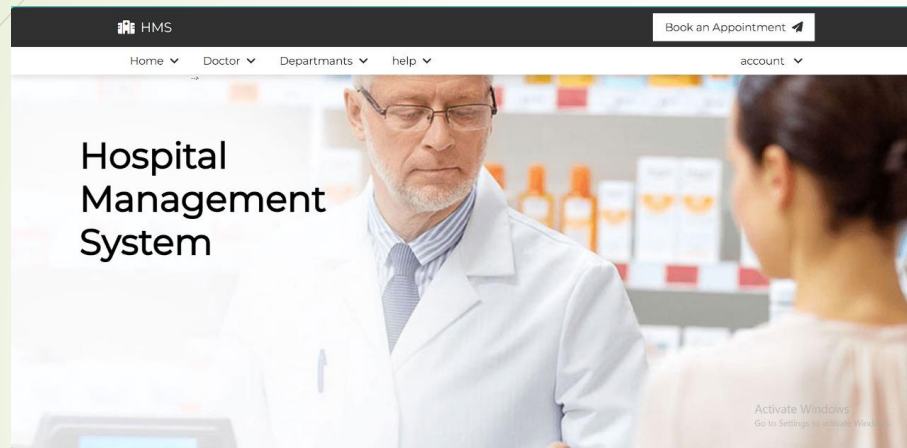


# Tools – Backend & DB

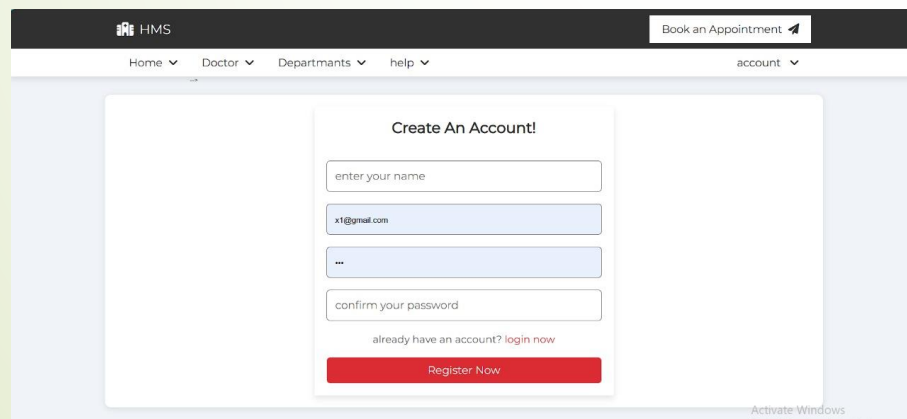
- PHP (Core PHP)
  - MySQL for database
  - Cookie-based login session management
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# Images of:

Homepage navigation:

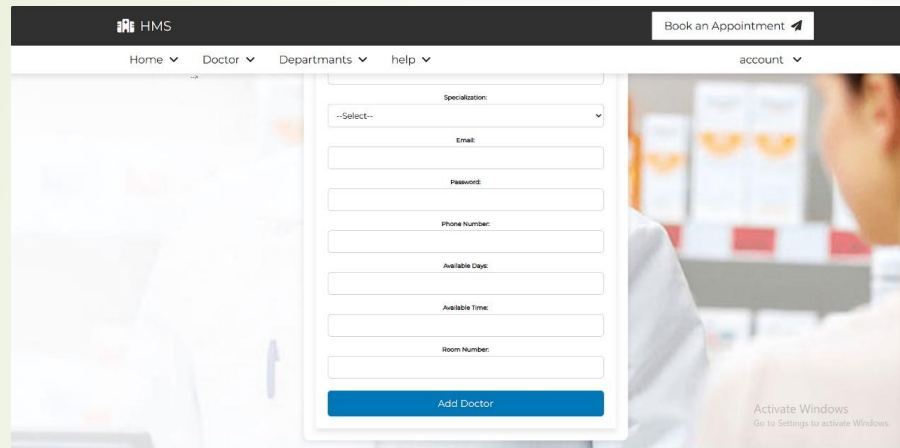


Patient register/login page:



# Images of:

## Add Doctors Form:

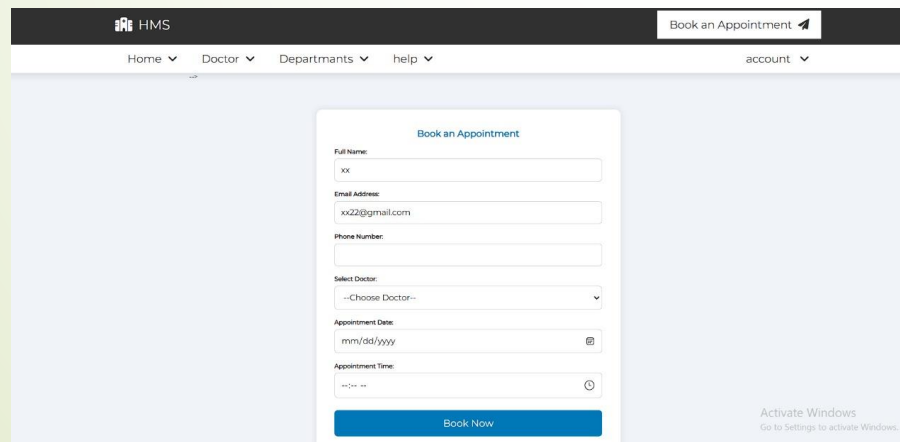


The screenshot shows the 'Add Doctors Form' within the HMS (Hospital Management System) interface. The form is overlaid on a blurred background of a pharmacy or clinic. The form fields include:

- Specialization: A dropdown menu with '--Select--' as the current selection.
- Email: A text input field.
- Password: A text input field.
- Phone Number: A text input field.
- Available Days: A text input field.
- Available Time: A text input field.
- Room Number: A text input field.

At the bottom of the form is a blue button labeled 'Add Doctor'. The top navigation bar includes the HMS logo, a 'Book an Appointment' button, and a dropdown menu with options: Home, Doctor, Departments, help, and account.

## Book Appointment:



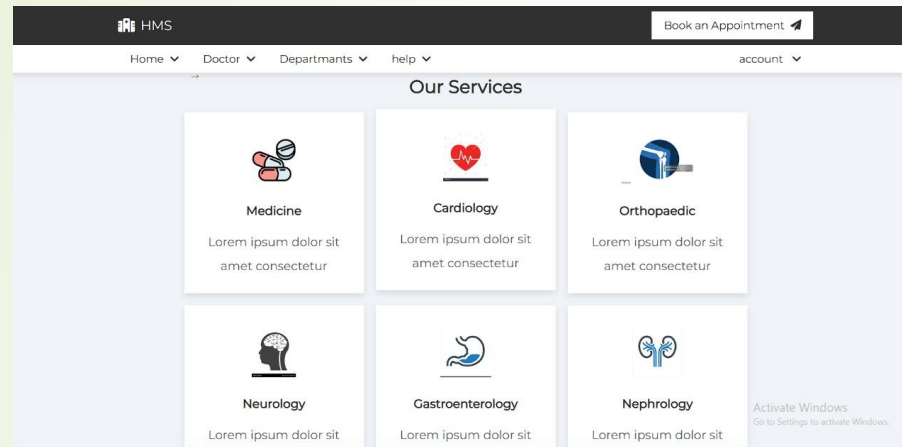
The screenshot shows the 'Book Appointment' form within the HMS (Hospital Management System) interface. The form is centered on a light blue background. The form fields include:

- Full Name: A text input field with 'xx' entered.
- Email Address: A text input field with 'xx22@gmail.com' entered.
- Phone Number: A text input field.
- Select Doctor: A dropdown menu with '--Choose Doctor--' as the current selection.
- Appointment Date: A text input field with a calendar icon, showing 'mm/dd/yyyy'.
- Appointment Time: A text input field with a clock icon, showing 'hh:mm'.

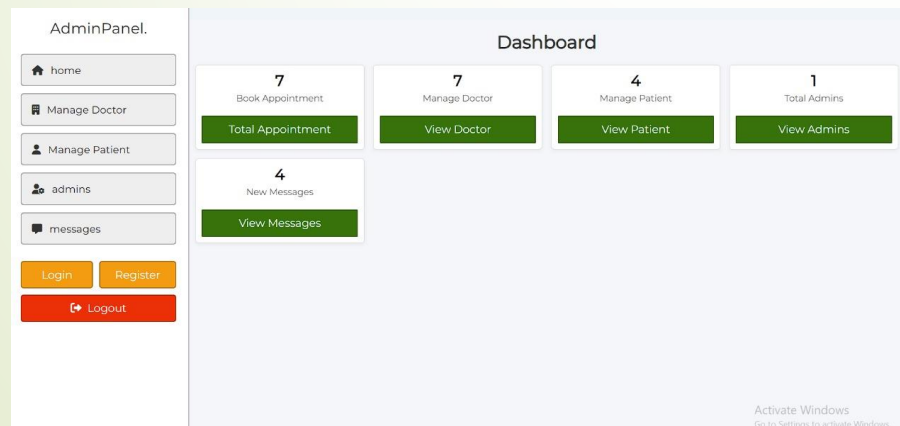
At the bottom of the form is a blue button labeled 'Book Now'. The top navigation bar is identical to the previous screenshot, featuring the HMS logo, a 'Book an Appointment' button, and a dropdown menu with options: Home, Doctor, Departments, help, and account.

# Images Of:

## View Doctors by Department:



## Admin Dashboard:



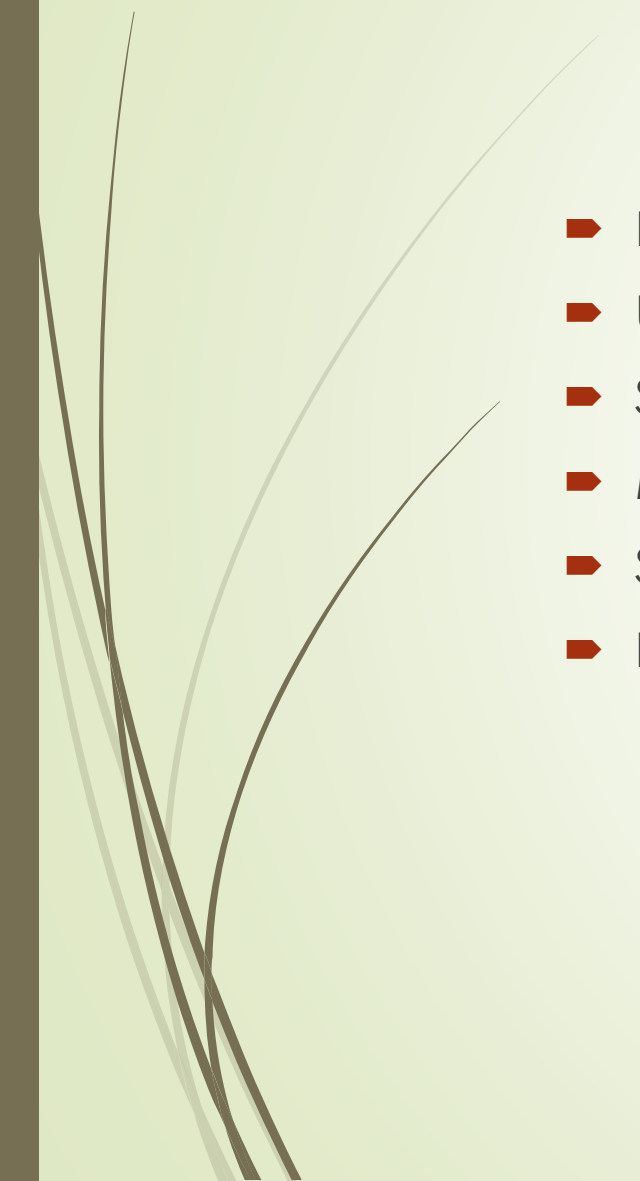


# Challenges Faced

- 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

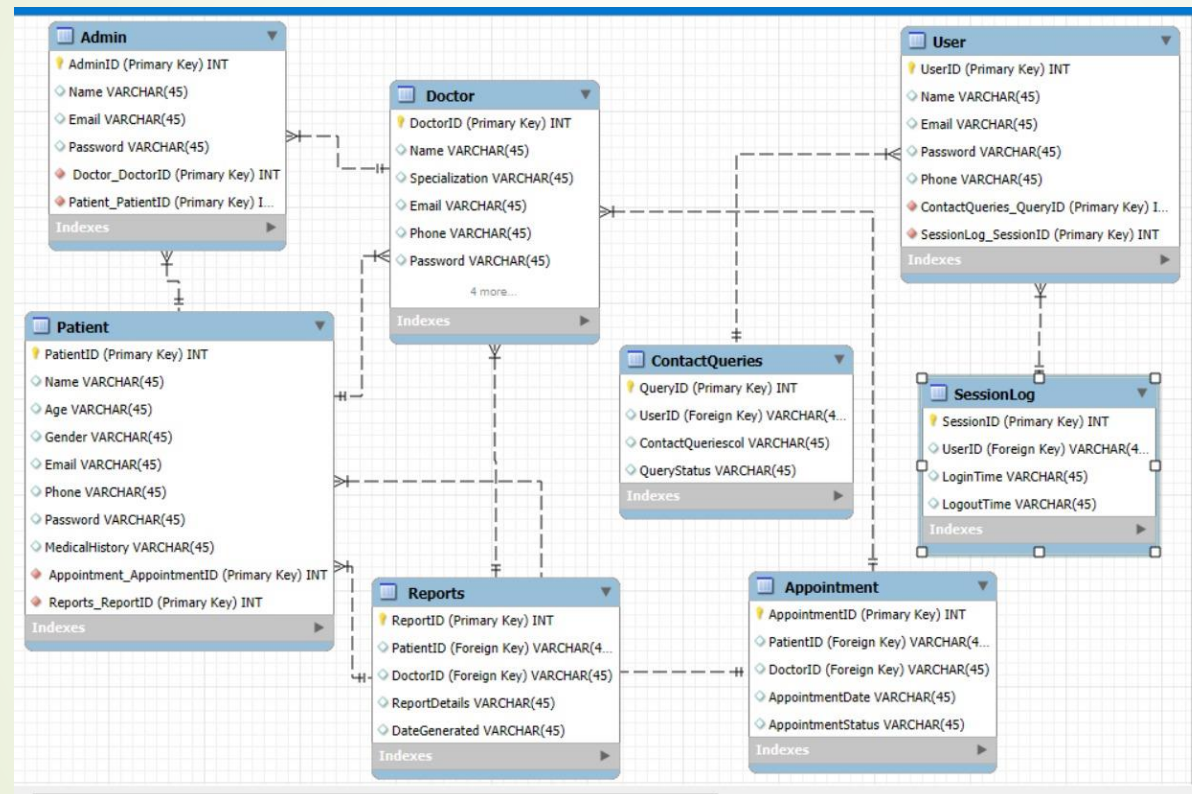


# What I Learned

- 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.