

TAKORADI TECHNICAL UNIVERSITY



- DATA MANAGEMENT AND ANALYTICS
 - MINI PROJECT
- GROUP TWO(2)

Doctor's Appointment System

**A Web-Based Appointment Scheduling
Application**

Built with PHP, SQL, and CSS

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Introduction

- **The Doctor's Appointment System is a web-based platform for scheduling patient appointments. It allows patients to book appointments online while enabling doctors to manage their schedules efficiently.**

Technologies Used

- - **PHP: Backend Logic**
- - **SQL: Database Management**
- - **CSS: User Interface Styling**

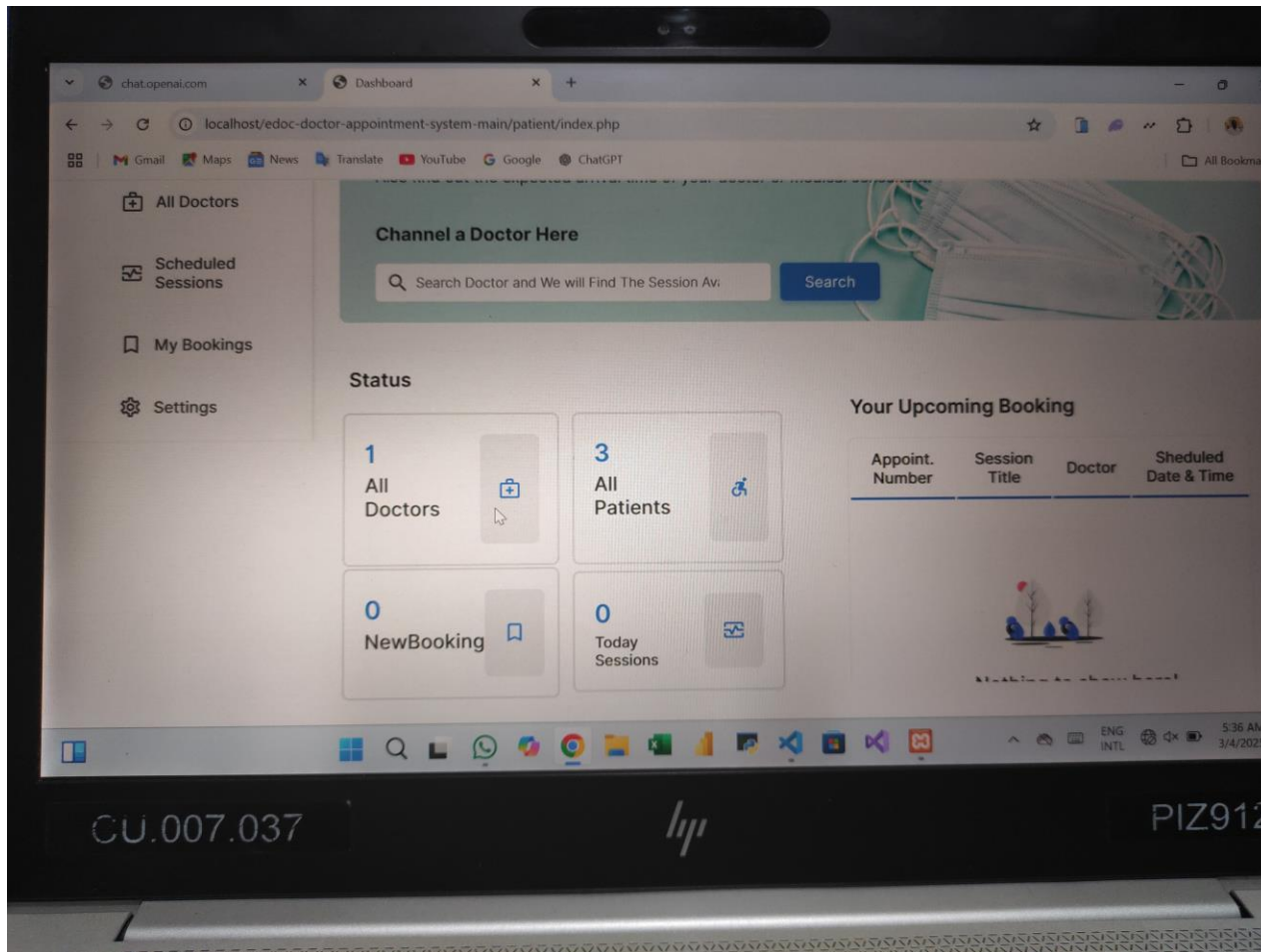
Features

- **For Patients:**
 - - **User Registration & Login**
 - - **Book & Manage Appointments**
- **For Doctors:**
 - - **View & Manage Appointments**
 - - **Set Availability**
- **For Admin:**
 - - **Manage Users & Appointments**
 - - **Generate Reports**

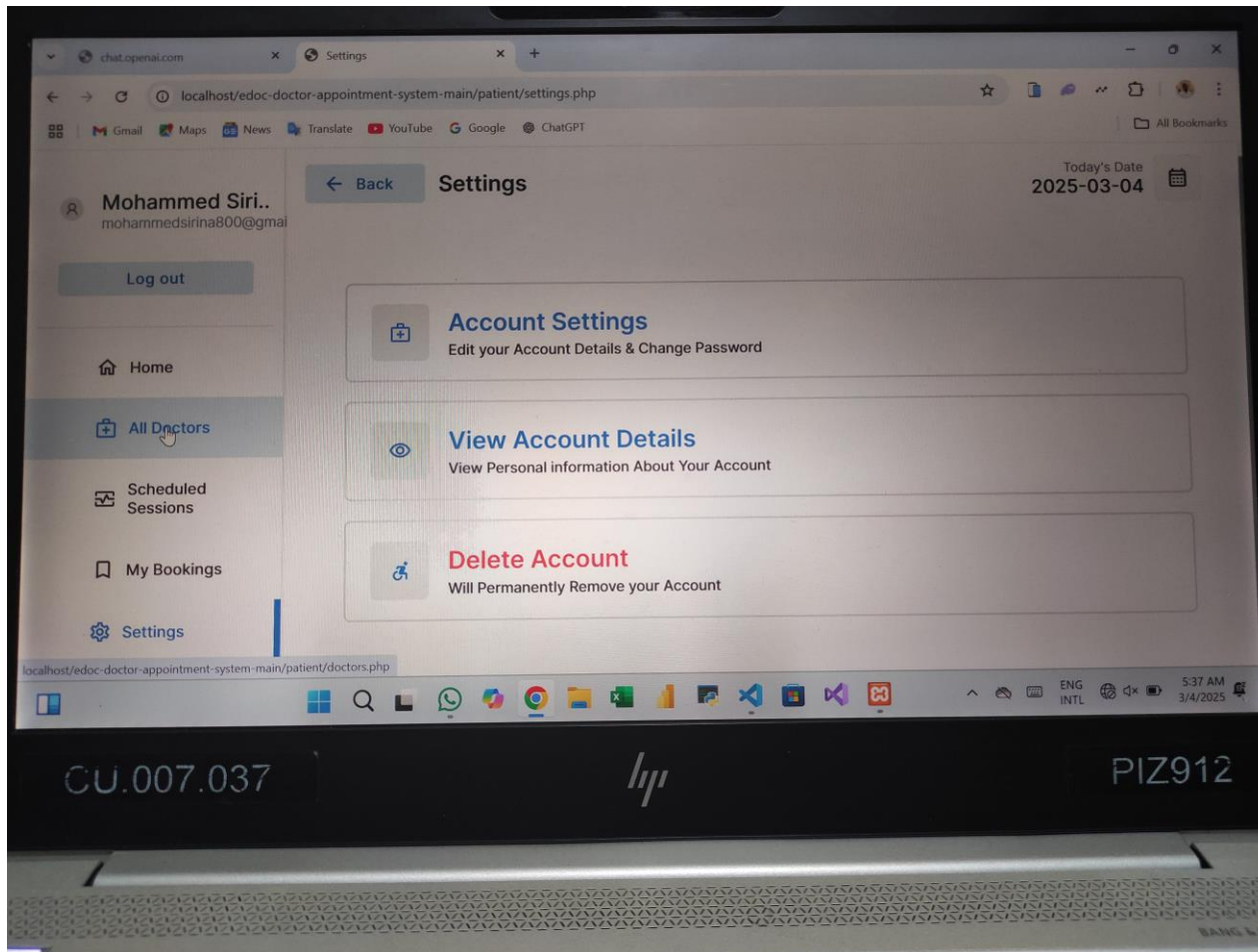
System Architecture

- **- Frontend: HTML, CSS, and JavaScript**
- **- Backend: PHP handles user requests and logic**
- **- Database: MySQL stores user and appointment data**

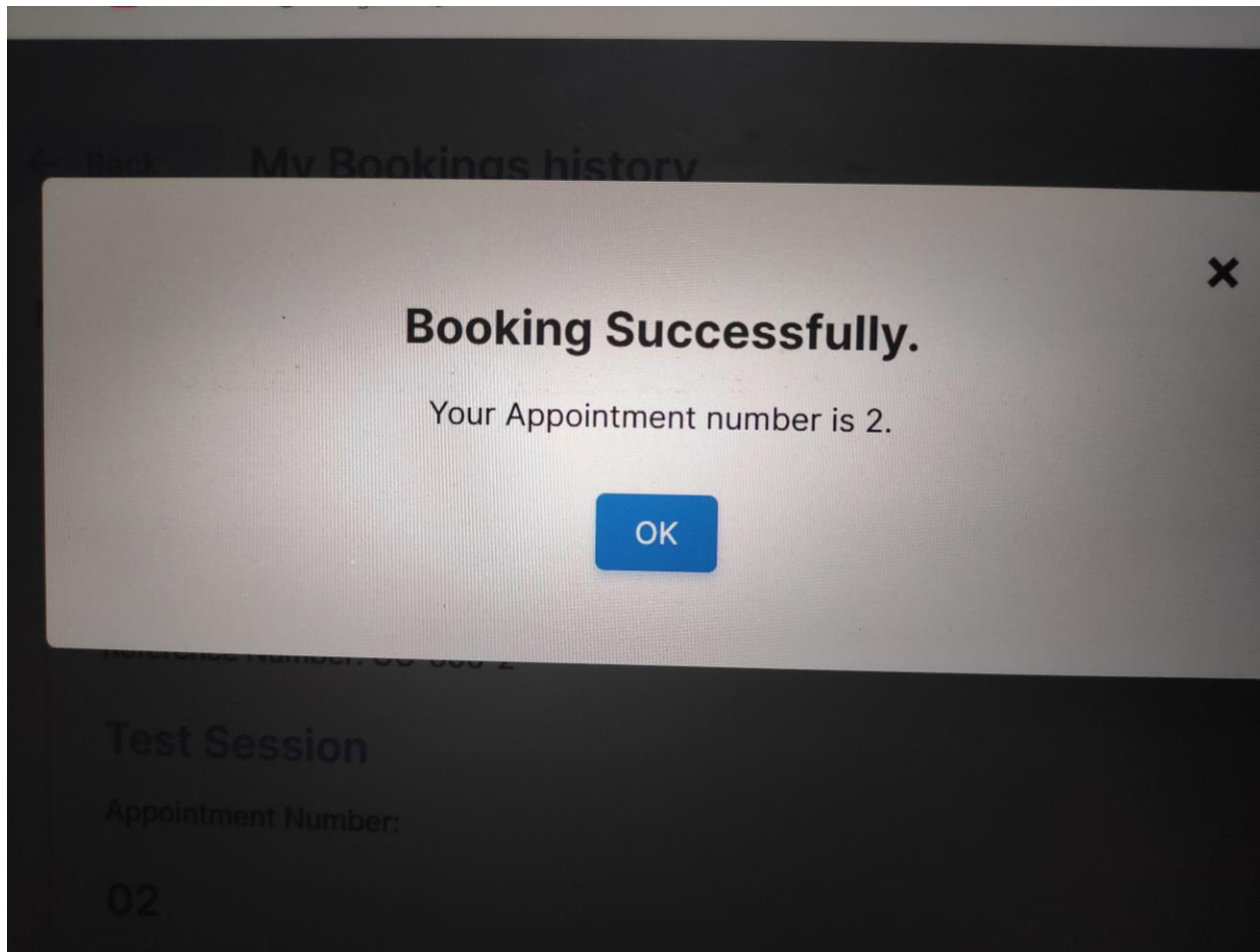
HOME PAGE



ACCOUNT SETTINGS



APPOINTMENT



Database Structure

- - Users (UserID, Name, Email, Password, Role)
- - Doctors (DoctorID, Name, Specialization, Availability)
- - Appointments (AppointmentID, PatientID, DoctorID, Date, Status)
- - Admin (AdminID, Username, Password)

Workflow

- **1. Patients register and log in.**
- **2. Browse available doctors and book an appointment.**
- **3. Doctors confirm or reschedule appointments.**
- **4. Admin manages records and generates reports.**

Security Measures

- Username
- - Password for authentication
- Appointment id

Conclusion

- **The Doctor's Appointment System enhances efficiency in scheduling, reduces administrative workload, and improves patient-doctor interactions. Future improvements include SMS notifications and AI-based scheduling.**