BookYourDoc
- Doctor Appointment System

BookYourDoc

Lovely Professional University

SERVER-SIDE SCRIPTING
INT 220

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Introduction

OVERVIEW: A WEB-BASED APPLICATION TO SIMPLIFY DOCTOR APPOINTMENT SCHEDULING.

PURPOSE: MINIMIZE MANUAL ERRORS, ENHANCE USER EXPERIENCE, AND IMPROVE EFFICIENCY.

Scope and Objectives

- Scope: Online appointment scheduling, real-time updates, centralized control.

- Objectives:

- - Automate scheduling.

- - Enhance user satisfaction.

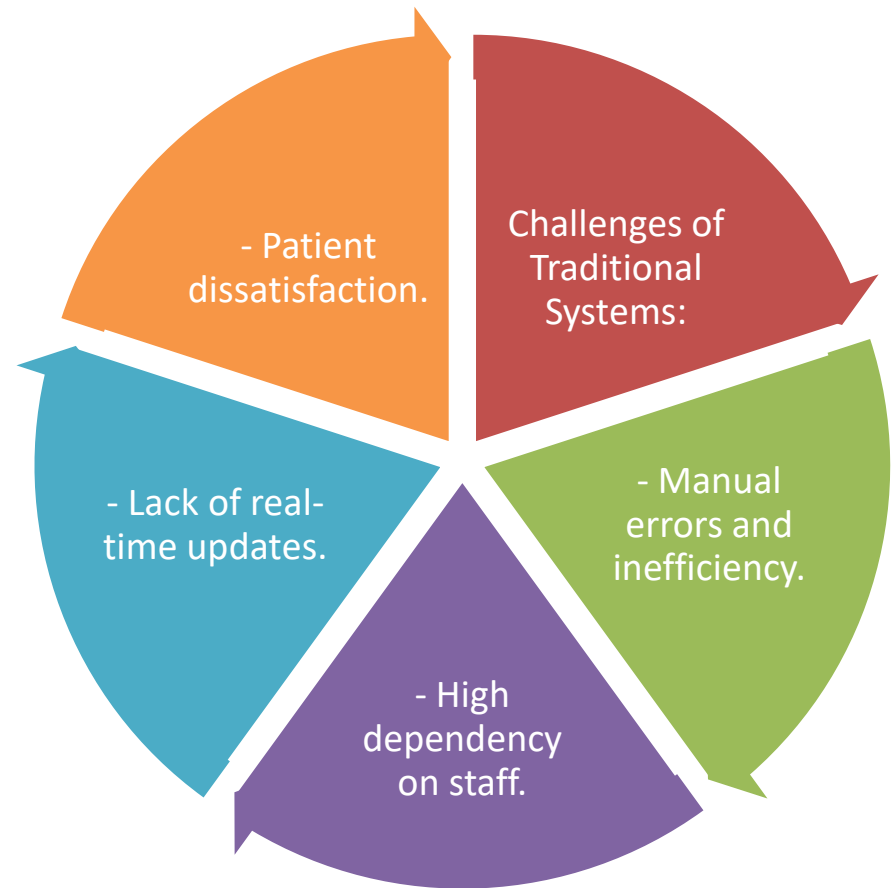- - Reduce administrative workload.

Key Features

- Real-Time Scheduling: View and book available slots.

- User Roles:

- - Patients: Book/manage appointments.

- - Doctors: Approve/reject requests.

- - Administrators: Oversee operations.

- Secure Access: Role-specific permissions and data security.

Problem Statement

Challenges of Traditional Systems:

- Patient dissatisfaction.

- Manual errors and inefficiency.

- High dependency on staff.

- Lack of real-time updates.
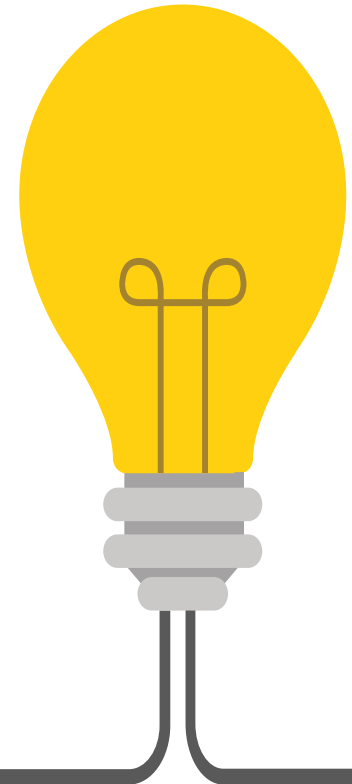
Proposed Solution

Solution 01

Efficiency in scheduling

Solution 02

Reduced wait times

Solution 03

Improved satisfaction for patients and doctors

Technical Specifications

Backend: PHP

Database: MySQL

Frontend: HTML, CSS, JavaScript

Deployment: Web-based with responsive design.
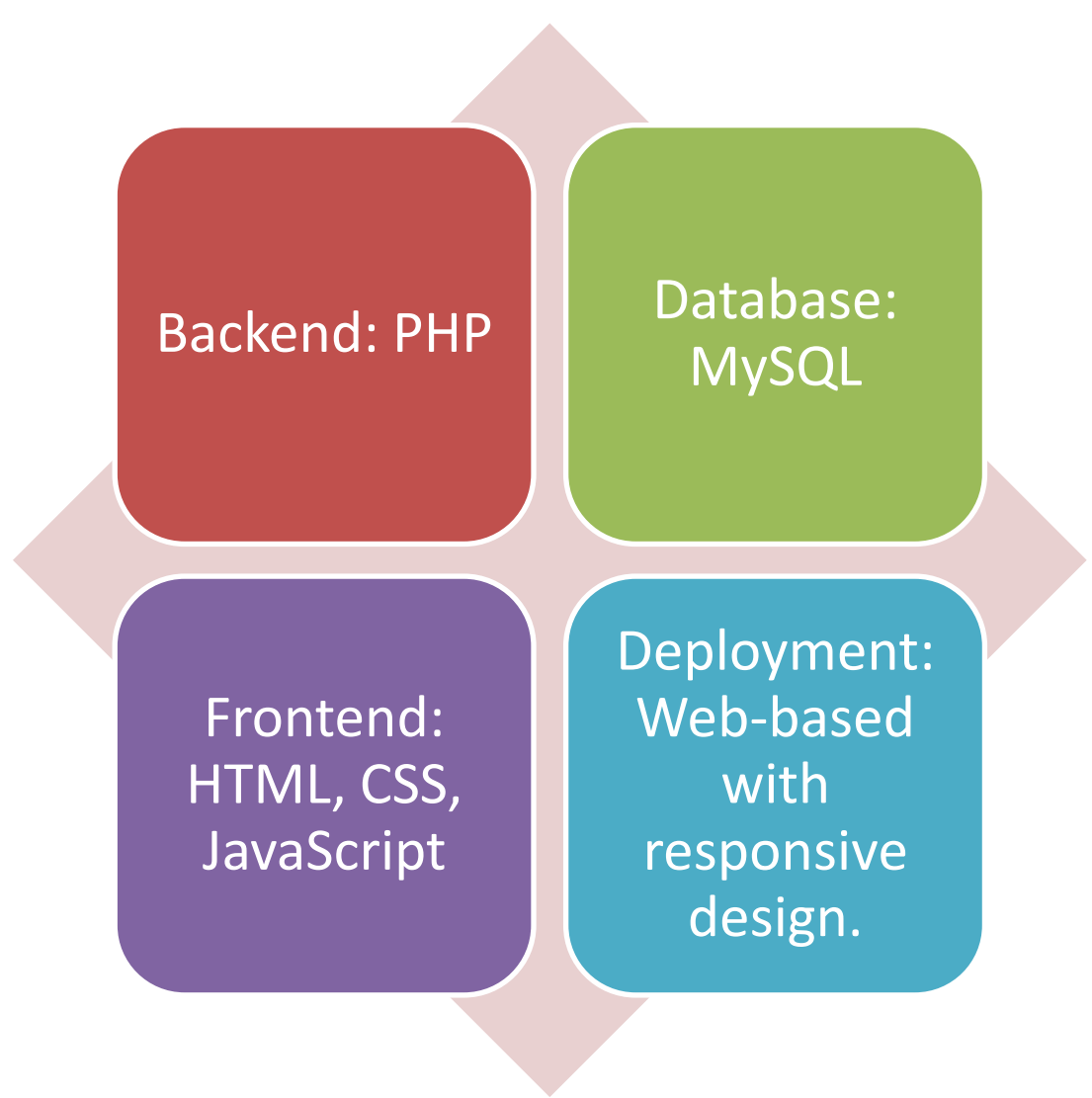
System Workflows

Patient Flow:

- Login → Select Doctor → Book Appointment → Confirmation.

Doctor Flow:

- Login → Manage Schedule → Approve/Decline Requests.

Administrator Flow:

- Monitor Users → Manage Appointments → Ensure Security.

Outcomes

- Achievements:
  - \- Automated booking process.
  - \- Streamlined workflow.
  - \- Secure and scalable platform.
  - \- Enhanced user satisfaction.

Challenges and Solutions

Challenges:	Solutions:
• User adaptation. • Data security. • Scalability.	• Training and support. • Encryption and backup systems. • Optimized database queries.

Future Enhancements

- Proposed Features:
  - Email/SMS notifications.
  - Mobile application development.
  - Advanced analytics and reporting.
  - Integration with EHR systems.

CONCLUSION

1 **Summary**

Improved healthcare scheduling through digitization.

2 **Impact**

Efficient, secure, and scalable solution for patients and providers.

3 **Next Steps**

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