Hospital Management System

Group Name : NEXT25_DKH1_SWD5_S2e

Project Idea

A Clinic Management System that helps **patients, doctors, and staff** streamline appointments, manage medical records, and handle billing, providing a smooth, organized healthcare experience for all. It also improves workflow and patient care while reducing errors and enhancing data security.

Project Title: Clinics Management System

Course/Track: .Net Web Developer

Team Members:

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Project Overview:

- **Objective**: Develop a web application to streamline clinic operations, allowing patients to book appointments with their preferred doctors and manage their medical records, while enabling doctors and staff to efficiently manage schedules, patient information, and billing.

- **Scope of Work**: The project includes the development of both frontend and backend for the system.

- **Expected Outcomes**: A fully functional web application with features such as:

  o Patient, Doctor, and Admin dashboards

  o Appointment scheduling and reminders

  o Patient records and medical history tracking

  o Billing and payment solutions

  o Staff scheduling and shift management

Proposed Solution:

• Technologies Used: ASP.NET MVC as front end, ASP.NET Core for backend operations and SQL Server for database management

System Architecture: The app will follow a client-server architecture. The frontend will be developed in **ASP.NET** **MVC**, and the backend will be powered by **ASP.NET** **Core**. The database will be **SQL Server** for user data and course management.

Resources Needed:

- Hardware/Software:

    o Development machines with Visual Studio and SQL server management studio

    o Server access for app deployment and testing

Approval:

- Instructor: Eslam Helmy

- Signature: