Healthcare EMR Scheduling System:
Deliverable I

Ali Akcin

Introduction

- EMR scheduling solution designed for healthcare facilities.

- Efficient appointment scheduling is crucial for delivering quality patient care.

- The system aims to improve patient access, provider efficiency, and overall clinic performance.

Project Sponsors

NAME: Dr. Emerald Jenkins

Occupation: Nurse practitioner

NAME: Abdelkebir Kmir

Occupation: Computer Science Professor

Business Need

- One of the primary business needs of the EMR system by providing a process for scheduling appointments.

- This would improve access to critical patient data, facilitate smoother workflows for providers, and enhance patient care.

Business Requirements

- User-Friendly Interface:
  - Clear instructions and easy navigation prevent errors.
- Real-Time Availability Updates:
  - Instant updates on available time slots.
- Automated Reminders:
  - Text messages sent to patients for upcoming appointments.
- Security:
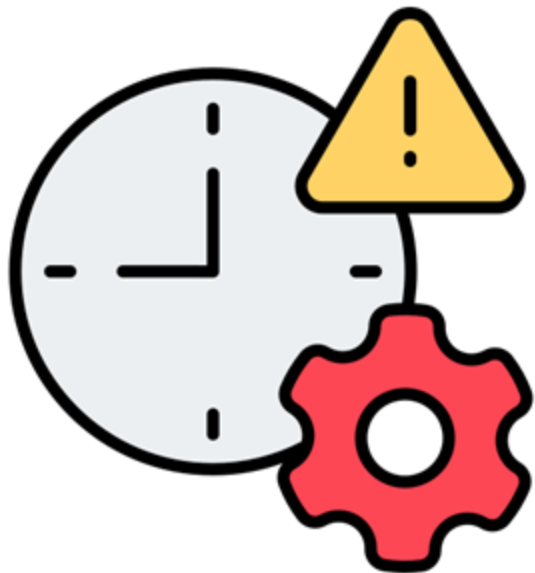 - Compliance with healthcare regulations (e.g., HIPAA).

Business Value

The streamlined appointment scheduling process in the EMR system will result in:

- providers saving time allowing them to have more time with their patients.

- The automated reminders will result in reduced missed appointments.

- Having a successful scheduling process will allow new patients to join this organization.

- Having high security will prevent the risk of potential legal consequences that arise from data breaches.

- Having a user-friendly interface improves patient satisfaction.

Special Constraints

- Integration with Existing Infrastructure:
  - Seamless integration with current EMR infrastructure and healthcare systems to maintain data consistency and accuracy across platforms.
- Scalability:
  - Ability to handle increasing appointment volumes without compromising system performance.
- Budget Adherence:
  - Project must adhere to its allocated budget.
- Focus on Impactful Features:
  - Prioritize development on features that provide the most significant impact.

THANK YOU!