



Software Project Management - Lab 2

Hospital Management System

Due: Feb 6th, 2023

Faisal Alsheet - (100639174)

Ahmed Darwish - (100754743)

Waddah Saleh - (100785692)

Project Description:

Our project endeavors to tackle the challenge of hospital management by designing a comprehensive solution. Recognizing the criticality and frequent usage of the healthcare system, we have selected this topic to bring about positive change. The current hospital management system can be complex and disjointed, making it difficult for patients to communicate with hospital staff and book appointments.

To address these issues, we propose to create a user-friendly hospital app that will simplify communication and appointment booking. Patients will have easy access to their information and the ability to book appointments online, thus reducing in-person wait times. Our aim is to provide a seamless and efficient healthcare experience for patients.

We believe that our solution has the potential to revolutionize the hospital management system and improve the lives of many. We are committed to creating a unique and innovative solution that will bring about a positive impact in the healthcare sector.

Project Objectives:

- Design a user friendly interface
- Include security measures for user accounts
- Create functions to ease user information tracking and gathering
- Include an email form to allow users to contact hospital staff
- Provide users with a user friendly method to access their hospital related information
- Develop an app to allow users to access their hospital account information on both PC and mobile devices

Measures of Success:

- Demo the user friendly interface to stakeholders
- System functionality and reliability is demonstrated to stakeholders through various tests and the system passes all provided tests
- System's usability meets stakeholders expectations and requirements
- Demo the interoperability of the provided system through both PC and mobile devices to stakeholders
- Project costs must not exceed provided capital by investors and stakeholders
- Project resources are correctly managed and delays are minimized as to not surpass the specified deadline assigned by stakeholders

Project Infrastructure:

- Cloud server used to store user accounts information (patients and hospital staff)
- Notifications system for appointment reminders and other reminders to send push notifications and email reminders (depending on the system used by user)
- Electronic Health Records (EHR) system: Implement a centralized system to store and manage patient information electronically
- Hardware - computers and devices for development team to test and maintain the system