بسم الله الرحمن الرحيم

Code For Sudan Hackathon

Healthcare-Sudan Project

SRS - Health Officer Section

(Software Requirements Specification)

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Introduction

Healthcare Sudan is a project for Code For Sudan Hackathon. It focuses on two main problems those are really face Sudanese population in the medical field.

1- Delay in detecting and dealing with epidemics, which leads to its spread to a large extent, but to a large loss of life in many cases.

2- The difficulties that the Sudanese citizen faces to obtain medical care, such as going early to the hospital and waiting for the turn for long hours, and not knowing the services available in a hospital, except by going to it, such as the available departments and doctors, the availability of oxygen and the available beds... est.

This document explains what is the health officer section of the final system should be do.

Scope

The system consists of 3 apps

1- Mobile app: for the user, citizen, registrar, and doctor.

2- Hospital Desktop: for the hospital manager, and the health officer.

3- Ministry Desktop App: for the ministry employee.

This document will explain the first two sections of the hospital desktop: health officer section.

Definitions

User: The person who uses the app **without** login.

Citizen: The person who uses the app after login.

Registrar: The user who works in a specific hospital and manage the patients' queue of specific departments.

Doctor: The doctor in a specific department in a hospital and diagnose them.

Manager: The person who works as a general manager, medical manager, or statistics department manager in a hospital.

Health Officer: The user who store the patients' data of a specific hospital physically.

Ministry Employee: The user who administrate a Health Ministry Office whether the general office of Sudan, or a general administrator of a specific state or locality.
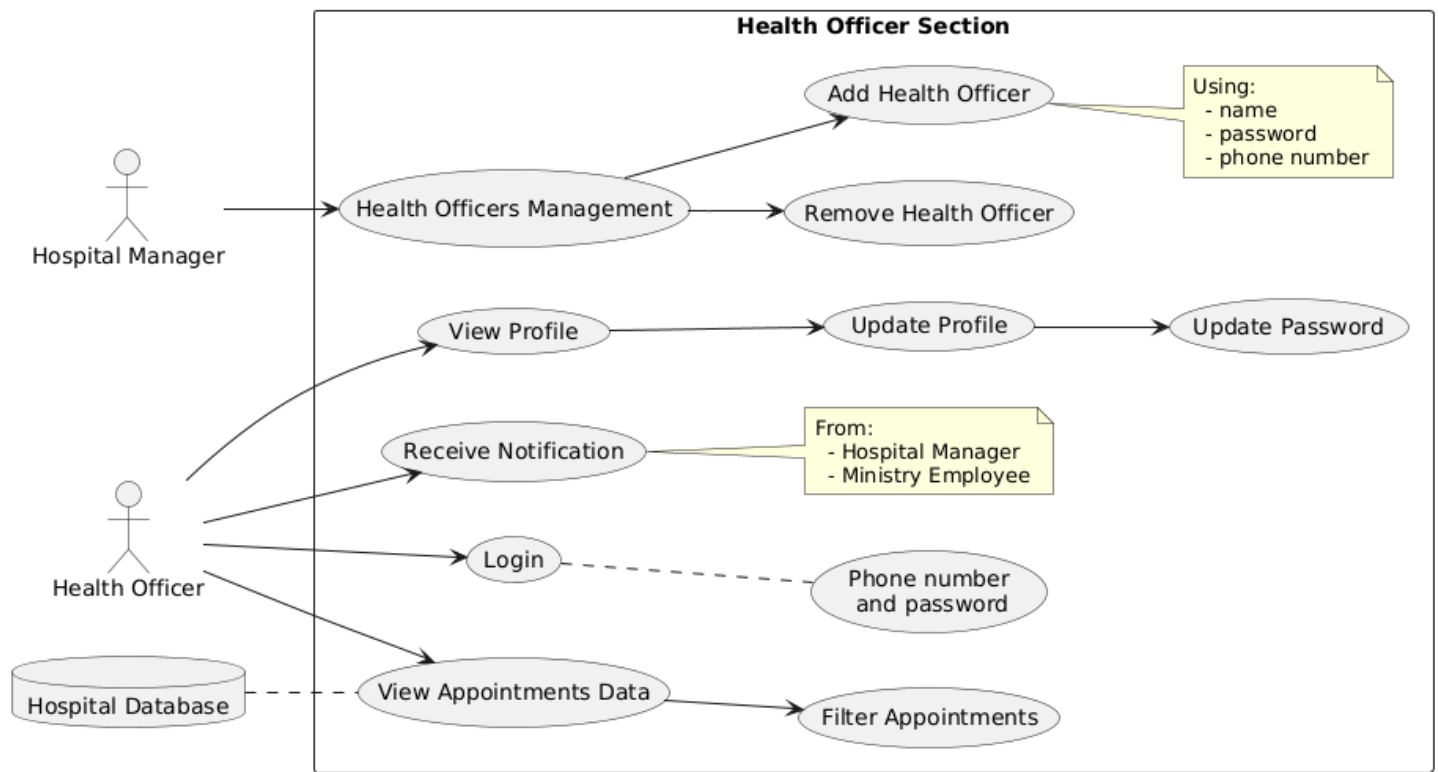
Functional Requirements

- FR1: The system shall allow the hospital manager to add, update, or remove a health officer by providing name, phone number, and password.
- FR2: The system shall allow the health officer to login using phone number and password.
- FR3: The system shall allow the health officer to show his profile info.
- FR4: The system shall allow the health officer to update his password.
- FR5: The system shall allow the health officer to view appointment records for their hospital only, including fields: name, gender, age, address, department, doctor, and phone number.
- FR6: The system shall allow the health officer to filter the appointments' list by: department, doctor, and time.
- FR7: The system shall allow the health officer to receive and view notifications from hospital managers and ministry employees. Notifications shall be stored and marked as read/unread.

Non-Functional Requirements

- NFR1: The app should be in Arabic language.
- NFR2: The system shall require internet connection once to update the appointments' list at the first time, and to update notifications only.
- NFR3: The desktop app section shall be less than 40 MB.
- NFR4: The password shall be stored encoded and salted hashes.
- NFR5: All sign ups and logins require HTTPS encryption.
- NFR6: The system should be worked dynamically on any pc screen size.

Use Cases Diagram

Recommendations (version 2)

- The system shall allow the health officer to highlight records