SOFTWARE REQUIREMENTS SPECIFICATION

for

Charity Management System

Version 1.0

Prepared by : 1. Ahmed Hagag (120200101)
2. Mariam Ayman (120200094)
3. Sohaila Mohammad (120200062)
4. Youssef Ashraf (120200090)

Submitted to : Dr. Ahmed Fares

March 15, 2023

Contents

1 Introduction

1.1 Purpose

Our goal is to make a charity system for the "Ajaweed Elkhair" Charity. This system allows charity organizers to add data about the people they help and their conditions. It also shows some statistics about the number of people they helped, and the charity works they did during a specific time. This project is going to help charity organizers organize their work and make data easy to access. This system will rank people according to the priority in need of help, i.e. the ordering will depend on the time since the charity last helped them and the social situation.

1.2 Scope

The system will be designed for a charity called "Ajaweed Elkhair". It will be designed to save data for people in need and show statistics about these data. Each user from the charity organizers will have a username and password for the data access to be restricted. It is also planned to make the system safe and the data on it private.

1.3 Actors

There are several stakeholders in this system:

1. System users
   a) The researchers: Those are the data collectors collecting all required data for people in need. They only have access to input their collected data to the system once they are approved.
   b) The supervisors: They are the managers having full access to the system's services. They can modify and update the already existing data.

2. System developers

1.4 References

1. We organized a meeting with the top management of the charity to know the outline of the system they wanted us to design.

2. Some data samples will be provided to us by the charity to test our system.

3. The charity provided us with a data form containing the data sections they need to include in the profiles of the people they help.

2 Overall Description

2.1 Product Perspective

The charity services management system will be a standalone website. The system will be designed to be user-friendly and to help the researchers in the field record cases of people in need of the charity's services, enabling the charity organization representatives to record information quickly and easily about people in need, and do the necessary analysis to effectively use them in future work rather than their traditional paper-based system already in use.

2.2 Product Functions

The charity services management system will provide the following functions:

1. Cases' records Storage and Management

2. Charity Locations Management

3. Analyzing and Creating Reports of important statistics with visualizations

4. Users' Interface Management (Data Entry / Administrators) depending on specific permissions

2.3 User Characteristics

The charity management system will be used by the following users:

1. Charity Representatives (researchers who collect and input the data to the system)

2. Supervisors

3. IT

All the users are required to have only basic computer skills to be able to use a website.

2.4 Constraints

The application must comply with the Ajaweed Elkhair regulations of the cases' sensitive information protection. Since the application is web-based, it will be working through any operating system with an internet connection. The application will be in Arabic to

ease the flow of work. In addition, the system must be designed to handle large amounts of patient data and be scalable to accommodate future growth.

2.5 Assumptions and Dependencies

The charity management system assumes that users have access to just a reliable internet connection and a web browser.

3 System Requirement Specification

3.1 Functional Requirements

1. The representative should be able to create and register an account with his organization ID

2. The representative should be able to enter data collected about the case

3. The representative should be able to update and view the case's data

4. The supervisor should be able to also view and update the case form

5. Administrative staff should be able to view, edit, accept, or remove the case's form

3.2 Non-Functional Requirements

The charity services management system will have the following non-functional requirements:

1. Security: The application must comply with the Ajaweed Elkhair regulations of the cases' sensitive information protection.

2. Usability: The system must be designed to be user-friendly and intuitive.

3. Performance: The system must be able to handle large amounts of patient data and be scalable to accommodate future growth.

3.3 Domain and other Requirements

1. The application must comply with the Ajaweed Elkhair regulations of the cases' sensitive information protection.

2. The system should be compatible with multiple devices and operating systems.