SoluTek

The Jes Foord Foundation Application

System Vision Document

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1. Introduction

1.1 Document purpose

The purpose of this document is to capture the overall vision for the Jes Foord Foundation project, this information will help ensure that the project goals are well understood. This document focuses on the needs of the Jes Foord Foundation and the reasons for such needs. This document provides a detailed description of the problem at hand as well as the solution to the problem to give the reader an understanding of the system to be developed. The NGO, VC lecturers as well as the developers of this system will have access to this document. This document will aid in defining boundaries of the system and coming to an agreement on what problems need to be solved.

1.2 Project Scope

The JFF software system is a cloud-based data entry solution developed for the intake of census information at each JFF seminar. It allows JFF members to automate manual processes and data tasks. The system will promote efficiency and organization amongst the JFF members.

1.3 System Goals

* Make it easier for JFF members to log and organize census information by switching their current manual system to an online software solution.
* Increase the productivity of JFF members.
* Improve the accuracy of census information.

2. Positioning

2.1 Problem Description

The Jes Foord Foundation currently uses a manual system for the intake of data at their seminars. Manual systems are vulnerable to physical damage and being misplaced. Manual systems could lead to inaccurate data for numerous reasons such as difficulty in correcting errors and illegible handwriting. Searching through and sorting physical documents is more time-consuming compared to an online system. It is difficult for physical documents to be shared with multiple people at once because a physical document can only be in one location at a time.

2.2 Problem Solution

The solution is to digitize the current census intake system. The objective of this software project solution is to increase the productivity and efficiency within the Jes Foord Foundation who support and empower rape survivors and raise awareness. The software solution allows for organized census intake unlike an offline system which can lead to chaos, redundancy, errors and inorganization.

3. System Capabilities

* Users will be able to login and logout; this is to ensure security and confidentiality of information. Security for the system includes authentication, access control, data integrity, and data privacy.
* JFF members will be able to record data at each seminar such as the number of people that attended. The data will be broken down into subcategories such as the number of people who attended for each race group and age range. The system will generate the total and subtotals.
* The system will implement data validation rules and error messages to ensure the correct information is being entered.
* User login details and census information will be stored in a database.

4. Client Benefits

* JFF can decrease their operating expenses by saving money on resources such as paper.
* Editing data will consume less time.
* Easier to backup data; even if a computing device is damaged or lost, the data can still be retrieved from the cloud.
* Reduce the possibility of errors.
* The easy access to data can assist JFF members with better decision-making.
* Reduce the amount of redundant data.
* Less spatial area is needed to store data.
* Data can easily be distributed amongst JFF members and can be examined by multiple people at once.

5. User Environment

* The system compiles and runs on android devices, but with growth it is natural to accommodate other platforms, such as IOS.
* The program will be written in primarily Java and will be interfacing with a real-time database.
* The data will be generated by JFF members and stored server-side.
* All users will be within the same time zone as the one in which the server is located. User locations will be relatively close, in a WAN scenario.