SoluTek

The Jes Foord Foundation Application

System Vision Document

Version 1.0

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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 project requirements as well as design constraints 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 Jes Foord Foundation system aims to assist rape victims during their recovery process, keep track of the JFF activities as well as provide a platform for users to donate to the foundation. The system will promote efficiency and organization amongst the JFF.

1.3 System Goals

* Allow users to keep track of the latest JFF activity such as seminars.
* Make it easy for sexual assault victims to find nearby hospitals and clinics.
* Make it easier for JFF members to log and organize census information.
* Provide an online monetary subscription for donations.

2. Positioning

2.1 Problem Statement

|  |  |
| --- | --- |
| The problem of | Being over budget. |
| Affects | Developers and the PBO. |
| The impact of which is | Developers are unable to complete the project. |
| A successful solution would be | * Finding cheaper alternatives to software. * Precise and strict budget planning. * Considering all possible budget expenses. |

2.2 Product Position Statement

|  |  |
| --- | --- |
| For | The Jes Foord Foundation |
| Who | Support/empower rape survivors and raise awareness. |
| The Jes Foord Foundation | Is a software project |
| That | Provides assistance to rape victims, provides an online donation platform, allows for organized census intake, and keeps track of JFF activity. |
| Unlike | An offline system which can lead to chaos and inorganization. |
| Our product | Is a mobile/desktop application that promotes efficiency. |

3. Stakeholder Descriptions

3.1 Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| The Jes Foord Foundation | The users of the product. | Assist, empower and educate. |
| Developers | People that program the system. | Identifying the needs of the JFF members as well as the needs of rape victims and designing an application to see to those needs. |

3.2 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.

4. Requirements

4.1 Functional Requirements

|  |  |
| --- | --- |
| **Name of attribute** | **Explanation** |
| Development Priority | Order/priority of development. |
| Status | Proposed, approved, incorporated, validated, rejected. |
| Difficulty | Difficulty to implement the requirement. |
| Risk | Probability of adversity (schedule, budget, technical). |
| Stability | Probability whether the requirement will change. |

Census system to capture info. Mobile to capture and desktop to organize.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Features** | **Status** | **Priority** | **Difficulty** | **Risk** | **Stability** |
| Display nearby hospitals and clinics to rape victims. | Proposed | High | Med | Low | Low |
| Monetary subscription service for donations. | Proposed | Med | High | Med | Med |
| Information system to update users on the latest JFF activity. | Proposed | High | Low | Low | Med |
| An admin account for JFF members to capture census information at each location. | Proposed | High | Med | Low | Low |

4.2 Non-functional requirements

* Authentication - Only authorized users can login to the application.
* Usability - Users can quickly grasp how to use the application.
* Reliability - Minimize the risk of cyber-attacks.
* Speed performance - requests are processed quickly and latency is minimized.
* Scalability - The ability for the application to grow over time.

4.3 Constraints

* Security for the system includes authentication, access control, data integrity, and data privacy.
* Authentication for JFF members that want to upload information.
* Only developers can change the state of the system.
* 95% of requirements must work before releasing the application.

4.4 Risks

Possible risks to the success of implementation include, but are not limited to:

* Lack of software development support.
* Server overload.
* Unclear goals of the system.
* Non-user-friendly system.
* New requirements added; end-users insist on new requirements.
* Changing baseline requirements; requirements have been baselined but continue to change.

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