Software Requirement Specification

Project Name: IAFE United

Client Name: Randy Bragg
Version: 1.0

DOCUMENT HISTORY AND DISTRIBUTION

Revision History

Revision #	Revision Date	Description of Change	Author
1.0	May 25, 2017	Initial draft	Rahul Chugh
1.1	May 29, 2017	Addition of Static Pages	Rahul Chugh

Client Detail

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INTRODUCTION

This document serves as the Software Requirements Specification (SRS), which describes the Requirements for developing **Charity project.**

This website will allow users to donate for a different causes that are been raised on the website by the Admin.

PURPOSE

This document is a Requirements Specification providing the details for a website "**IAFE United**". It'll be used to elaborate the functionality of the website along with Admin Panel. The document will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli.

SCOPE OF PROJECT

The scope of the project includes documentation, designing the pages and developing website that can be developed using this documentation. The document will describe the complete flow of the website to be developed in future along with admin panel features.

DOCUMENT CONVENTION

This SRS is multilevel. Each level has been numbered to make it more easily readable. Every process has been divided into sub-processes keeping in mind the design and development process.

INTENDED AUDIENCE AND READING SUGGESTION

This document is prepared for every party related to this project. SRS is distributed to the Client, Project Managers, Business Analysts, Approvers and Reviewers, Project Steering Committee Members (who shall assign Project Manager), Designers, Testers and Developers.

This document should be read from top to bottom. Some of the points are interrelated so top-to-bottom approach is suggested to understand it more clearly.

DEFINITION, ACRONYM AND ABBREVIATION

Description of Actors:

Admin: Admin will have the permission to manage all the data in the website he can create, edit and delete all the data. Admin will create the Donation Programs and can assign them to a particular category.

Admin will be able to Update News /Events section and can easily post the articles in Blog.

Admin will be able to view the track of the payment that has been raised for a particular cause with-in the admin panel with the help of filters like daily/weekly/Monthly basis

User: A User will be able to visit the website and read the content and also can Donate to the programs that are been created by the Admin or can view the updates under Blog or News/ Events section.

Other then this there will be a Download section from where a user can get to know more about the Company and there Donation process.

Even if there arrives some confusion with the process user can any time ask for the assistance. Admin will receive email of the same and can revert back after logging-in to the admin portal.

GLOSSARY OF TERMS:

Term	Definition
Software Requirements Specification	A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document.
Stakeholder	Any person with an interest in the project who is not a developer.
SMTP	Simple Mail Transfer Protocol
HTML	Hyper Text Markup Language

PHP	Hypertext Preprocessor
AJAX	Asynchronous JavaScript and XML
CMS	Content Management System
SSL	Secure Sockets Layer
URL	Uniform Resource Locator

GENERAL DESCRIPTION

Software requirements specification document is a specification document that concentrates only on the requirements of the system/application. The solution that this document shall be describing the development of an easy to use website to donate for a cause that are been raised by the admin.

PRODUCT PERSPECTIVE

Website is to be developed by Company from scratch. The goal of the website is to provide a donation portal where user can raise funds for a cause that are been created by admin.

OPERATING ENVIRONMENT

The system shall be developed using following technologies:-

Server:	Apache
Server Side Scripting:	PHP
Database:	MYSQL
CMS:	WordPress
Client Front-end:	HTML,CSS, Javascript, Jquery
Client/Server Side Scripting:	PHP

APPROACHES

There are a number of approaches to managing project activities including lean, iterative, incremental, and phased approaches. Regardless of the methodology employed, careful consideration must be given to the overall project objectives, timeline, and cost, as well as the roles and responsibilities of all participants and stakeholders. We will follow iterative approach it will be scalable.

CONTRAINTS

Parallel Operations

This Application shall support hundreds of thousands of members into the system simultaneously. Concurrent operations shall be handled by the system. Any deadlocks shall be handled programmatically, and the member shall be notified with member-friendly error messages.

Audit Operations

- The application shall have certain levels of auditing capability, so that different levels of errors, debugging, and access logging information shall be stored as text files. These files can be used for auditing and debugging purposes.

- NOTE: The LOG files will be stored in the system like errors, access logging information, etc., which helps to track the errors and debug.

Reliability and Performance

- The system should be stable and should be available 24*7
- The system must have "commit-and-rollback" features; if one of the variables has failed, then all the other variables need to fall back to their original values.
- The system shall be used for more than hundreds of thousands of requests. All requests should run simultaneously without affecting the performance of the system.
- The system should be able to support hundreds of thousands of concurrent members. The performance and number of concurrent members mainly depends on hardware. The application does not have a limitation on number of concurrent members.
- Even though certain measures taken to stop the cyber stalking, online scams and identity theft, still may never know.
- One should be affordable for using this website through internet.
- Website should be popular to attract many users.

FUNCTIONALITY

USER FLOW-

Normal User -

A normal user can do the following things on the portal:

1. As a user you can raise funds for any cause.
2. As a user you can refine the list of cause by selecting one of the categories.
3. As a user you can view the News and latest Events/activities. These News and Events will be placed by the admin from backend panel manually.
4. As a user you can download the informative documents of the company like Info Papers, Newsletters, Donation form etc.
5. Three static pages with content: Volunteers, Individual giving and Cooperate giving. Donate now will be a kind of floating button.

6. As a user you can raise a request for the information regarding a particular query. Which will be mailed to the admin and he can revert back to you on the details mentioned in the email itself.

7. As a user you can view the latest Blog post.

8. Donation will be accepted with the help of Payment gateway "PayPal"

9. User can select the option of recurring payments if he wants to. [This will enable the option of raising funds for that particular cause every month on the same date from the end user.]

10. The Process of recurring payment will take place till the time end user doesn't raise the request to stop it. This can be done by dropping a mail to admin.

11. Donation process has different screens:

    i. User can select the cause by implementing the filter of categories.

    ii. User can click on one of the Cause and can view the complete detail of that cause.

Note: Minimum amount of donation would be $5 which can be easily selected from the list of packages. In case user enters the donation amount manually. Then the validation of same will be implemented to make sure that the amount isn't less than $5.

Admin –

- As an admin you will be able to add/edit/delete the pages after logging-in to the back-end.

- As an admin you will be shared with the unique details and the URL which can be used to access the admin panel.

- As an admin you can modify the content of a particular page.

- As an admin you can create a new Cause under a new or Old Category.

- As an admin you will be able to view the payments that are been made for a cause on a particular day/week/month of a calendar.

- As an admin you will be able to delete a category*.

- As an admin you can add the content under News/Events and Blog section.

- As an admin you will be able to stop the process of recurring payments if you have received the request from user side.

*Deletion of a category will delete the causes created by admin in that particular category.

DESCRIPTION OF PAGES-

HOMEPAGE-

- Homepage will have the menu and the list of major causes.

- Homepage will be dynamic and can be easily edited from the backend panel.

- It'll have a section where upcoming events will be listed and a section to enlist your stories/memories that you would like to share with others to encourage them to donate.

ADMIN DASHBOARD-

- Admin dashboard will have a section to view the reports of the funds raised for a cause.

- Admin will have the list of details that have raised the funds for that cause.

- Admin will have the section to update News/Events/Blog posts.

- Create new Cause will have the following fields:

  a) Name of the Cause

  b) Detail of the cause.

  c) Featured Image of the Cause to attract the visitors.

  d) Amount of Donations [Like on Unitedway.org].

Donation –

- The Causes raised by the admin from the panel can be viewed by the Visitor on different sections of the website.

- Clicking on one of the Cause will redirect user to the information page or If user wants to have a look to all the causes then he can click on Donate buttons represented as CTA [Call To Action].

- The user can either select the package to make the donation or can input the value manually.

- Clicking on Donation will take user to the checkout page where he needs to fill-up his details before he can proceed further and make the actual donation.

- These details will be saved at the back-end that can be viewed by the Admin.

- Donations of all the events/Causes will be collected under single PayPal account.

NEWS and EVENTS-

- News and Events page will have the list of events that will be created and updated by admin.

DOWNLOADS-

- The files will be uploaded from the backend by the admin and clicking on the links under this section will either download the document or will open the document depending upon the device he's using.

CONCLUSION

The overall document will make clear about the requirement of this website "**IAFE United**" described above in the document that is within the scope of development of the application which should be developed in such a way that future updates in the application can be achieved with minimal efforts of development.

* Note: Content to be shared by Client