**Software Requirement Specifications**

For

**Charity Donation System**

Prepared by :

* Atrij Paul – CSE(AIML) – 12021002016063 – 43
* Uday Sankar Mukherjee – CSE(AIML) – 12021002016053 – 38

**Course Lab :** Database Management System

**Introduction**

* 1. **Document Purpose**

*The Software Requirements Specification (SRS) for the Charity Donation System's is to specify the scope, functionality, and restrictions of the proposed system. This document acts as a complete reference for the development team and stakeholders throughout the software development life cycle, detailing particular needs and expectations. Its goal is to clarify the project's objectives, aid in resource allocation, guide testing and deployment activities, and guarantee that the resultant charitable Donation System satisfies the demands of the charitable organization and its users*.

* 1. **Product Scope**

*Product Scope: The Product Scope in the Software Requirements Specification (SRS) for the Charity Donation System delineates the boundaries and features of the proposed system. It outlines the specific functionalities and capabilities that the system will offer, defining the range of actions and services it will provide to users. The scope of this product will be limited to the receivers of the charity and the charity donors . The full system will be controlled by the admin of the system and the development team.*

* 1. **Intended Audience and Document Overview**

*This section identifies the primary recipients of the Charity Donation System SRS. The main audience are the various stakeholders namely the development team , the quality assurance team along with the testing and the deployment team. This document outlines the introduction , Functional and Non Functional Requirements and Use Cases mainly. This document acts as a main document for all those associated with planning , documentation and implementation.*

* 1. **Definitions , Acronyms and Abbreviations**
* *SQL – Structured Query Language*

*MySQL will be used for Database Management System storing the data entered by the user in various tables.*

* *PHP*

*This is the language used to design the backup*

* *HTML*

*Hyper Text Markup Language , used to design a basic website*

* *CSS*

*Cascading Style Sheets used for designing*

* *XAMPP*

*Used as an environment for PHP , providing a local server environment that includes Apache, MySQL.*

* 1. **Document Conventions**

*In general this document follows the IEEE formatting requirements. Use Arial font size 11, or 12 throughout the document for text. Use italics for comments. Document text should be single spaced and maintain the 1” margins found in this template.*

**Overall Description**

**2.1 Product Overview**

*The Charity Donation System is a software which acts as the bridge between the charity donors and the charity receivers. This software is used to target those who want to donate money , food ,clothes and various other things that they think necessary. Mainly monetary donations are welcomed in the first place but the software also promotes the user viewing the website to donate other things . We encourage the users by showing them the result of the donation work done in the past and how it impacted various lives . In the blog section we have given various blogs which will chalk out the story of the donations and the positive impact from them . Charity Donation System also includes speeches from famous personalities to keep the people motivated and donate as much as they can for helping the people who are in actual need of the things and push them one step closer to leading a better life.*

**2.2 Product Functionality**

* *Donation Management – The Donor will be giving their credentials to register and then they will be allowed to make donations. Their donations will be managed in the MySQL database which will be shown to them on logging in.*
* *Admin controls – The makers of this website will have the rights to access all the intricacies in the website and view all the data with the help of admin login.*
* *Security – The password will be verified by the website and only then will the user be granted the entry into the subsequent pages to see the data associated with them .*
* *Volunteer – One who registers as a volunteer will be assigned specific tasks to do according to their city in which they live .*

* *City distinctions – The tasks and various donations will be managed according to the city of residence .*

**2.3 Design and Implementation**

*The website has 3 parts namely Donor , Volunteer and Admin .*

* *The Donor can register and login and make any kind of monetary donations.*
* *The Volunteer will be assigned tasks based on the city they live in and how they can help others .*
* *The User Interface is very simplistic and very easy to use .*
* *The Admin will have the power to find out the complete details about the Donors and the Volunteers with all their donations and tasks respectively*
* *The Website is designed mainly on PHP and MySQL is used as the database in the backend.*
* *The website will be hosted in the XAMMP server.*

**2.4 Assumptions and Dependencies**

*There are few assumptions and dependencies in this project :-*

* *The user will be able to use the website properly by understanding the UI and the other functionality.*
* *The donations are managed according to the user and their city but their distribution is not managed by this website . Any other distributing company will have to take these donation information and distribute them to their much needed places. This is a dependency of this project.*
* *We are assuming that donation will be mainly monetary and the donor will have the provision of online banking .*
* *We have to depend on the Bank’s online server for the monetary transactions .*

**Specific Requirements**

**Functional Requirements**

*There are few functional requirements in this project .They are listed below .*

1. *Banking service – The donor must have the provision for online banking for making the donations . The user’s bank must allow the transaction to pass through our website . Stability of the bank’s server is a key concern in this project.*
2. *Volunteer location – The volunteer must give their proper location to serve for the needy .*
3. *Stable system – The users must have a decent system where they can run this website .*
4. *Distributing company – A distributing company is needed to distribute these donations to the people who need them.*
5. *Task completion – The volunteer must have a check for ensuring their task completion .*

**Conclusion**

*This website targets the donors who want to donate and give some meaningful contributions to the society . We manage their donations and we also encourage people to volunteer charity tasks that are not possible from the website .This project has quiet a few future enhancement like including the distribution system , efficient integration with the banking system and enhancing the security.*