CHAPTER 3

Software requirements Specification

**3.1 Introduction:**

SRS is complete description of the behaviour of the system to be developed. It deals with requirement of the proposed system. It describes what the proposed system should do without describing how the system will do it. An SRS provides a reference of the validation of the final product i.e., the SRS helps the client to determinate if the system needs the requirements.

Attributes of SRS:

* Understanding the necessities.
* Verification finished.
* Unambiguous.
* Consistent is kept up.
* Fully complete.

**3.2 Functional Requirements:**

* **Component 1: Admin**

**Input**: username, password.

**Process**: The system checks for the correctness of username and password.

**Output**: Admin will be taken to the home page on successful login

* **Component 2: Donor**

**Input:** Donor name, email, contact, address food prepared date, food\_quantity.

**Process:** The system will fetch donors and food information from the table.

**Output:** The details of the Donors are displayed to the admins well as the NGO.

* **Component 3: NGO**

**Input:** NGO name, Address, Contact, email, Deliverd\_Address.

**Process:** The system will fetch NGO and food\_delivered information from the table.

**Output:** The details of the NGO are displayed to the admins well as the Donors.

**3.3 Non-Functional Requirements:**

Non-functional requirements as the suggests are requirements that are not directly concerned with the specific services delivered by the system to its users. They relate to emergent system properties such as reliability, response time and store occupancy.

1. **Usability:**

The system needs to be use and understand. Our application will be easy for users to navigate through and they can easily use the functionalities of the app in smooth manner. Bottom navigation

will allow for easy shifting of tasks.

1. **Privacy:**

The application shall take care of not to leak any donor’s personal profile information to other users or people. Only information relevant and necessary shall be visible.

1. **Performance:**

The app should respond to users in considerable time window. It should not be show or too fast for the users. The application’s response time should not hinder the user in his tasks.

1. **Scalability:**

App should able to adopt itself to the increased user load or more users in order to handle more data as time progresses.

1. **Reliability:**

The application should be reliable to perform its tasks for Example a user should rely that in case he wishes to donate an item, request is sent to the NGO side otherwise it would be an unreliable app.