**Software Requirement Specification Document**

**Introduction:**

The application acts like a bridge between NGOs and people where a person can register to volunteer in the events being posted by NGOs like beach clean-up, Planting, Teaching, taking part in awareness programs etc depending on the time, place, and date. The application helps in authenticating the need so the volunteer’s time or money will not be wasted. By authenticating the person volunteering we will bring quality to the NGO’s programs. In order to bring fellow volunteers together, NGOs can organise weekly or daily events for which any interested volunteer can register.

**Purpose:**

To bring people or NGOs in need to the attention of people willing to volunteer time, materials or money.

**Intended Audience:**

People with willingness and ability to volunteer time, materials or money and people with authentic needs.

**Functional Requirements:**

**Procedure Design**:

* + Computer Procedure

Volunteer End

* 1. FindEvents () {

//Look for the events.

}

2. Register () {

//Register for an event.

}

3. MyHistory(){

//Past registered events.

}

NGO End

1. PostEvents (Event E){

//Posts the event.

}

2. GetDetails (){

//Get the details of the volunteers registered for the event.

}

* + Non-Computer Procedure –

- A Volunteer will be searching for an event and registers for it.

- An NGO will be posting the details about the events.

**Control Design**:

The following are the functional requirements.

**1.Admin Login**

The System should allow authenticated admin to login for viewing, updating, deleting, verifying NGOs and people in the website.

**1.1.Process flow**

Once the login page has opened the details are to be entered. The fields asking the admin to enter email and password appears. This email and password are to be entered by Admin to login.

**2.Volunteer Login**

The System should allow authenticated volunteer to register and login for viewing, registering for the events conducted by NGOs in the website.

**2.1Process flow**

Once the login page has opened the details are to be entered. The fields asking the volunteer to enter email and password appears. This email and password are to be entered by volunteer to login. Then he/she can register to the event.

**3.NGO Login**

The System should allow authenticated NGO to register and login for viewing, conducting the events conducted by NGOs in the website.

**3.1.Process flow**

Once the login page has opened the details are to be entered. The fields asking the NGOs to enter email and password appears. This email and password are to be entered by NGOs to login. Then he/she can conduct the event.

**Tools and Technology Requirements**

The following are the list of software requirements we are using to implement this application.

|  |  |  |  |
| --- | --- | --- | --- |
| ▪ | Client-Side Technologies | : | HTML, CSS |
| ▪ | Scripting Language | : | JavaScript |
| ▪ Business Logic Development Language | | : | Java |
| ▪ | Database Connectivity | : | Hibernate |
| ▪ | Database | : | Mongo DB |
| ▪ | Operating System | : | Windows10 |
| ▪ | Documentation | : | MS-Office |

**CONSTRAINTS:**

To protect minors every user must be above 18. NGOs must be verified before posting events. Fraud prevention measures should be taken in regards to events.

**SOFTWARE QUALITY ATTRIBUTES**

* AVAILABILITY**:** The events must be conducted on days where a large portion of the demographic is likely to attend.
* CORRECTNESS**:** The events should be conducted at the specified location and on time.
* MAINTAINABILITY**:** The NGOs should maintain a strict agenda for the event.
* USABILITY**:** The event should be conducted on relevant causes which attract large number of volunteers.