WEB PORTAL FOR CROWD FUNDING OF NGO
SOFTWARE REQUIREMENTS SPECIFICATION
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VERSION: [0.9]	REVISION DATE: [22.04.2019]

Approver Name	Title	Signature	Date

Contents

1. Product Description

1.1 Purpose

This shall be a browser based system designed to fund any NGO across the country. The purpose of the product is to simplify the process in which any NGO in India is funded. Currently since most of the funding is done through the members of that NGO, or by relatives of those members but still many NGOs lack sufficient funds for their proper functioning. Our project will help in reducing effort and increasing the amount of funds from individuals or organizations across the country. The product shall be designed to support the initiative of the NGOs by helping them in getting proper funding and also it will help the people in doing charity more easily. Our application will also encourage people to support the cause of NGOs in India.

1.2 Scope

In our country most of the charity work or funding of these NGOs come from people in the high society or by the members itself. However, it is worth noting that these bodies rely heavily on the government for their fundings. Our application will help in increasing the funds to an NGO as the common people will have the reach to it. Online payments have made their way in our society and our application will help the common people to fund these NGOs from any place at anytime. They will also be able to make the best choice for them. Since it will be an online portal, people will have access to every NGO in our country rather than knowing about only those who are present in their own city. The system can be further extended for helping people in their individual causes of life and death situations. It can act as a common platform for helping any individual or an organization as a whole.

1.3 Stakeholders and users

i. <u>**System Owner**</u>: Not known
ii. <u>**System Users:**</u>
   a. NGOs : They will have access to read/write/update their information which they have uploaded on the portal. They can also view their total donations as per month and year.

b. Contributors: They will have the access to read/write/update their profile information. They will also be able to view any NGOs profile and donate money to it.

c. Administrator : This person will have access to add/remove any NGO from the list if required. This will be the person in charge for any breakdown in the system

1.4 Assumptions

- The end user should have a basic knowledge of English and computer usage.

1.5 Constraints

- System works smoothly for single servers
- Users should have basic knowledge of computer.
- Only English is used in GUI.
- Internet Connection is needed.

2. Functional Requirements

2.1. The system shall require the Administrator, the Contributor and the NGOs to **login** with their respective login IDs to perform their tasks.

2.2. **Register the Contributor**

    2.2.1. System shall check if the Contributor already exists.

    2.2.2. If not, the System shall record the contributor's details such as the Name, Occupation, Age, Gender, Guardian's Name, Address, Phone number, Number of previous donations, Date of last donation etc..

    2.2.2.1. The Systems assigns an ID to the new contributor.

    2.2.3. If the Contributor exists, the system returns all stored details.

2.3. **Register the NGO**

    2.3. 1. System shall check if the NGO already exists.

    2.3.2. If not, the System shall record the NGOs details such as the Name, City, State, Date of commencement, total members, Contact details, Account details etc.. for registration.

    2.3.3. The System shall then assign it a particular id.

    2.3.4. If it already exists, return its details.

2.4. **Donate Funds**

    2.4.1. The contributor will go to the NGOs page to which it wants to donate.

    2.4.2. The system shall then add the details in the donation registration table.

    2.4.3. The system shall then start the process of payment through the payment gateway.

    2.4.4. After payment processing, the system shall then generate a report based on success/failure of transaction.

2.5. **Remove/Update information of NGO :**

2.5.1. The Administrator will be able to remove/update data for any NGO.

2.5.2. The system will check whether the NGO already exists or not.

2.5.2.1. If yes, The System proceeds as follows:

2.5.2.1.1. If remove operation is to be performed,

> 2.5.2.1.1.1. The system shall take as input the name of the NGO and the reason for removal.

> 2.5.2.1.1.2. The system will then process the removal and delete all records related to it from the database.

2.5.2.1.2. If update operation is to be performed,

2.5.2.1.2.1. The System shall take as input the name of NGO, what to update such as general info., contact details, account details, gallery and also the required update file for making changes.

2.5.2.1.2.2. The system shall then process the update and make it visible.

2.6. Generate receipt.

2.6.1. The System shall generate report for success/failure of payment transaction.

2.6.2. System shall generate a transaction Id for each transaction whether success or failure.

2.6.3. The System shall require the admin to keep a track of success/failed transactions.

2.6.4. System shall give the report for transactions related to every NGO from the database.

2.6.5. The System shall require the Admin to generate report for Contributor database.

3.   Non-Functional Requirements

3.1 Performance Requirements

- The software is expected to have reasonably short response time.
- It should be able to log-in and feed the records related to contributors, NGOs.

- The payment gateway should work smoothly.

3.2 Safety Requirements

- The system should be capable of gracefully recovering from earlier crashes and redirecting the payment process.

3.3 Security Requirements

- The system shall provide unique id to all the contributors so that there are no concurrency issues. Every user will be logged in into a separate session.

- Serial attacks will be avoided by maintaining a minimum time gap between successive invalid log-in attempts.

4.   Interface Requirements

4.1. User Interfaces

Home Page :

Home page

NGO PORTAL
Spread the love of DONATION

(Login/signup)

Category 1 (NGO)

Read more...

Category 2 (NGO)

Read more...

HOME | TOP contributors | Contact us

Logo

SignUp Page:

Sign Up page

For Contributor:

Full Name : [   ]

Gender :   ⊙Male   ⊙Female   ⊙Other

Date of birth : [   ]   ▦ ~ Calendar

City : [   ]

State : [   ]

Occupation : [   ]

Are you member of any NGO? : ⊙NO ⊙Yes
                                    ↳ [Name of NGO]

Have you previously donated to any NGO? ⊙NO
                                    ⊙Yes, please
                                        specify
                                    [   ]

Mobile Number : [   ]
Email id : [   ]

[Register]

Login page:

Login page

Login as ▼

NGO
Contributor
Admin

Email

Password

Forget password?

Sign in

Forgot Password Page :

Forgot Password Page :

Enter the Email Id of your account:

[   ]

⊙ get code on your email Id.

[Continue] ← After pressing this button, a window appears.

an email is sent to you regarding password change.

Profile Page :

Profile page:

For Contributor:

① Logout

(image) Name of Contributor

Edit Profile | My Donations | My Favorites ▼

Donation History

Date	Amount	To NGO

for NGO:

[logo] [Name of NGO]   ⊙ logout

| Edit Contact | Edit information on display | Donation this month | All donations |

Edit information of webpage

[Request a change]

Donation this month.

| Date | Name of Contributor | Amount |

NGO Information Page :

Name of the NGO

User Rating A*

About Us

--- --- --- --- --- --- --- ---
--- --- --- --- --- --- --- ---
--- --- --- --- --- --- --- ---
--- --- --- --- --- --- --- ---

Galleria

View more ---

DONATE NOW

Donation Registration :

Donation Registration:

Enter Amount : [   ]

Currency : [▼]

Donate as : [Self Name ▼]
             [Anonymous]

[Pay Now]

Payment Gateway :

Payment Gateway

○ Debit Card
○ Credit Card
○ e-Wallets (BHIM , PayTM , PhonePe)

Card Number

[   ]

Date of Expiry [   ]   CVV [   ]

[PAY Securely]

For UPI :
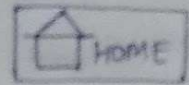
Enter UPI Id : [   ]

[Pay Securely]

<u>Donation Status :</u>

<u>Donation Status :</u>

[HOME]

<u>For successful transaction:</u>

Status : Success

Transaction Id : [   ]

Date of transaction:

Time of Transaction :

Beneficiary NGO :

Amount Donated :

[Donate Again]   [Print receipt]

Receipt of Transaction:

Status : Success

Transaction Id:

Date of transaction:

Time of transaction:
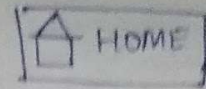
Amount Donated :

Beneficiary NGO :

[Save as PDF]   [Print]

For Unsuccessful/Failed transaction:

Transaction Id :

     Status   : Fail

     Reason :

Amount   :

[Retry]   [Cancel]

Administrator Login :

Administrator Profile :

| Add/Remove NGO | | Requests for update data | | Manage Contributor's Profile |

Add NGO :

      Name of NGO :

            City :

            State :

    Date of Commencement :

      Attach Photos :

      Insert text :

    Account details :

| Add on Webpage |

Remove NGO :

Name of NGO :

Reason :

[Remove from website]

Update Request :

update : [_____ ▼]
→ About us
→ Galleria
→ Contact details
→ Account details

Attach update file :

[Process update]

Notification to NGO for successful
Add/Remove/update of Information:

Dear partner,

It is to inform that we have successfully
processed your request for add/remove/update
of information.

Regards
Admin.

Manage Contributor Profile

| View Information | Send Notification |

Send Notification:

Notification for:

Concerned Contributor: [All ▾]

Insert text:

| Send Notification |