

**COMSATS University Islamabad (CUI)**

Software Requirement Specification  
(SRS DOCUMENT)

for

**Global Reach**

Version 1.0

***By***

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# Introduction

The purpose of this SRS Document is to provide detailed and comprehensive description of the requirementss and limitations that a user of this product is expected to have. This Software Requirement Specification links the project's modules (as listed in the Scope document) to the Use cases outlined below. The product's restrictions and constraints, whether due to time or processing power, have also been mentioned. Furthermore, Functional Requirements have been carefully put down in order to avoid any confusion throughout the development of this product. Non-Functional Requirements have also been written, indicating the level of minimal viable product that we must deliver to users.

## Purpose

The product aim is to help uplift the society’s charity sector. This product will help donors and beneficiaries to connect and help raise the cause of donation and help for our country. This application will help the beneficiaries, if they get registered in our web application they will be able to get help by requesting the admin and the admin will make a campaign for them and make a donation bar for the beneficiaries and User who are here as a donors who donate to the cause and they can perform other activities such as adopting a child and the donors will have the option to pick from what age group should the child belong too. Our application will provide a secured conversation with admin where beneficiaries and donors records are held confidential. This document will assist us in laying out all of the technical functional requirements that we, as the product's designated software engineers, must meet to satisfy our stakeholders.

## Scope

Global reach is a web application which will target easy donations and help raising campaigns more effectively. Admins, Donor, and beneficiary these will be our main actors. When the user visits our website, he/she shall have the option to sign up as a Donor or beneficiary. The user will give his Email and Password. When the user signs up as a volunteer or beneficiary, the user will have a separate dashboard for himself. The donors can participate in different events held by the organization. The beneficiary on the other hand will be able to request the admin for any need and then the admin will make a campaign for the beneficiary and set the amount needed. Upon completing the required amount, the campaign will be marked resolved. The volunteer on the other hand can even adopt a child and donate to any campaign as much as he wants. The admin can even integrate the Facebook or Instagram posts into websites related to any campaign. The visitors on the website can even share the campaign on their social media accounts. This web app will show the annual revenue generated through artificial intelligence. The revenue generated will be based on 3 months analytics. Our system will check the donor’s activity on the website and send him the campaign recommendations in accordance with it. The donations will be completely transparent, and a receipt will be generated for him. The receipt will have the name of the campaign and donation amount and the donor’s name.

## Modules

|  |  |
| --- | --- |
|  |  |
| User authorization | Sign in, Signup, Logout, Forgot password, Confirmation email |
| Transferring money | Add donation, generate receipt, donation verification, Transaction verification |
| Application analytics  Campaign management | Preview total donations, Donations used, Balance left, Total donors, Total beneficiaries, Year revenue prediction.    Add campaigns, delete campaigns, Update campaigns, Set donation amount for campaign, Campaign type, Share campaign, Search campaigns |
| Be a donor | Send donations, Volunteer for campaign, adopt a child, fund a child |
| Loan management | View debt, notify debt due date, Loan received, |
| Email marketing | New campaign email, send specified email (artificial intelligence), News email, Donation received email |
|  |  |

Latest news New campaigns, Ongoing campaigns, Latest donors,

Campaigns completed, Donations needed for campaigns

Chatbot Request chat for loan, Request chat for campaign, Reply user, Request chat for support, Campaign queries,

Changing meeting schedule

## Overview

The SRS document that follows contain all the necessary information about the software’s requirements, allowing both the client and the developer to properly comprehend the application. Product Scope, Use Cases that describe how the user will interact with the system, and Non-Functional requirements are all included in the document. A proper documentation is required for the system to be more efficient and reliable, as well as for the developer to grasp it quickly. In addition, all of the condition, limitation and modules listed in the scope document will be addressed in a technical manner.

# Overall Description

The overall description of Global Reach is given below.

## Product Perspective

Global reach is the next version of a mature system. Charity websites already exist but a web app that can provide online transactions for campaigns or even for orphans and use Artificial intelligence

to target the audience for sending them campaign recommendations. It will also allow the users to share the campaigns into their social media accounts.

## User classes and characteristics

Global reach is a modernized charity web app. This will have a lot of complex workflows and different type of users. We will have 1 super admin and there will be multiple admins under him. He can even delete or add more admins into the website. We have donors who will donate to the campaign they want to and they can even adopt a child or even fund one if they want to. We will have entered donation amount, Credit cards information, attach media, request for campaign and more. Donations are being verified. Beneficiary will fill a form of request a campaign or request for loan and attach media in accordance with that and admin will verify that later. The admin can even integrate the Facebook or Instagram posts into websites related to any campaign. The visitors on the website can even share the campaign on their social media accounts. Our system will check the donor’s activity on the website and send him the campaign recommendations in accordance with it

Following are the users who should be able to do the following function.

|  |  |
| --- | --- |
| **User class** | **Description** |
| **Super Admin** | A super admin is at the top in hierarchical order. Super Admin shall add admin to the system. Super admin can delete an admin from the system. A super admin can perform all the task that an admin performs. |
| **Admin** | Admin shall add, update, delete loan for a beneficiary. Admin shall view the loan request sent by beneficiary and assign a status upon reading of request. Admin shall reply to the queries of volunteers and beneficiary. Admin shall send marketing emails to users of the application. Admin shall notify the beneficiary when they have collected the donation amount for the beneficiary. |
| **Volunteer** | Volunteer shall view the campaigns and cause on which organization is asking for donation. Volunteer shall donate to the organization via credit/debit card. Volunteer shall ask admin for help in case of query. Volunteer can select a specific category to which he/she likes to donate (System shall send them an email on creation of that specific category). |
| **Beneficiary** | Beneficiary shall fill out the request loan form to ask organization for donation. Beneficiary shall have his own dashboard where he/she can view the loan request status. Beneficiary can view the loan amount due to be paid to organization. Beneficiary shall be notified when the organization has collected the donation against their request. |

## Operating Environment

**OE-1:** *The system shall operate on any internet browser. And the application will be best visible on following devices:*

* *Desktop*
* *Tablet*
* *Mobile*

**OE-2:** *Application will be using React JS for the user interface, react is a JavaScript library for creating interactive frontend design. The backend of the system will be created through Node JS. NodeJS is best known for asynchronous nature of function handling. System shall be using mongo DB for data storage and retrieval and mongoose which is a Node.js based Object Data Modeling (ODM) library for MongoDB.*

**OE-3:** *Application will be hosted on a Linux server. Linux servers are more reliable, and applications are easy to modify. Remote access of the server is provided developer can easily make changes on the application.*

## Design and Implementation Constraints

CON-1: *The Application will only be accessible through the browser*.

CON-2: *The Application needs internet connection to be accessed.*

CON-3: *All the transactions will proceed using the Stripe payment method.*

CON-4: *Application shall be built on MERN Stack*

CON-5: *JavaScript shall be used as the programming language of the application.*

# Requirement Identifying Technique

## 3.1 Use cases

Following are the use cases of global reach

**Module 1: User authorization**

|  |  |
| --- | --- |
| **M1-UC1** | Sign up |
| **M1-UC2** | Sign in |
| **M1-UC3** | Email Verification |
| **M1-UC4** | Remember me |
| **M1-UC5** | Logout |
| **M1-UC6** | Delete users |
| **M1-UC7** | Forgot password |
| **M1-UC8** | Change password |
| **M1-UC9** | Login as Admin |
| **M1-UC10** | Logout as Admin |

**Module 2: Latest News**

|  |  |
| --- | --- |
| **M2-UC1** | Ongoing campaigns |
| **M2-UC2** | New Donors/Volunteers |
| **M2-UC3** | Projects built |
| **M2-UC4** | Donations needed |
| **M2-UC5** | New project |
| **M2-UC6** | Delete News |
| **M2-UC7** | Add News |
| **M2-UC8** | Update News |

**Module 3:** **Social media integration**

|  |  |
| --- | --- |
| M3-UC1 | View picture gallery |
| M3-UC2 | Share link on Instagram |
| M3-UC3 | Share a Link on twitter |
| M3-UC4 | Share a link on Facebook |
| M3-UC5 | Add a YouTube video |

**Module 4: Chat bots**

|  |  |
| --- | --- |
| **M4-UC1** | Request Chat for Loan |
| **M4-UC2** | Request chat for campaign queries |
| **M4-UC3** | Chat with support team |
| **M4-UC5** | Admin Reply |

**Module 5: System reminder to users for scheduled task and appointments**

|  |  |
| --- | --- |
| **M5-UC1** | Reminder |
| **M5-UC2** | Donation Confirmation |
| **M5-UC3** | New Campaign |
| **M5-UC4** | Campaign Completion |
| **M5-UC5** | Appointment Email |

**Module 6:** **Loan management**

|  |  |
| --- | --- |
| **M6-UC1** | Search beneficiaries Loan data |
| **M6-UC2** | Add Loan |
| **M6-UC3** | Update Loan |
| **M6-UC4** | Remove Loan |
| **M6-UC5** | Request Loan |
| **M6-UC6** | Loan Status |

**Module 7:** **Beneficiary**

|  |  |
| --- | --- |
| **M7-UC1** | Return loan to organization |
| **M7-UC2** | Request for Loan |
| **M7-UC3** | Request for campaign |
| **M7-UC4** | View debt |

**Module 8:** **Total Amount Donated Bar**

|  |  |
| --- | --- |
| **M8-UC1** | Show percentage of bar |
| **M8-UC2** | Donate to this campaign |
| **M8-UC3** | View campaign details |
| **M8-UC4** | Next campaign |
| **M8-UC5** | Previous campaign |

**Module 9: Notification sidebar**

|  |  |
| --- | --- |
| **M9-UC1** | Display latest donation by donors |
| **M9-UC2** | Display how much is needed for a campaign |
| **M9-UC3** | Remove the donation by donors’ notification |
| **M9-UC4** | Display latest donors on our website. |

**Module 10: Transferring Money from Donor to Organization**

|  |  |
| --- | --- |
| **M10-UC1** | Add Card Details |
| **M10-UC2** | Deposit |
| **M10-UC3** | Generate Receipt |
| **M10-UC4** | Update Donation Record |
| **M10-UC5** | Select Cause/Category |
| **M10-UC6** | General Donation |

**Module 11: Application analytics**

|  |  |
| --- | --- |
| **M11-UC1** | Display latest Record |
| **M11-UC2** | Generate Chart for donation |
| **M11-UC3** | Compare donations |
| **M11-UC4** | Show analytics |
| **M11-UC5** | Predict donation revenue |

**Module 12: Campaign Creation**

|  |  |
| --- | --- |
| **M12-UC1** | Add Campaign |
| **M12-UC2** | Update Campaign |
| **M12-UC3** | Delete Campaign |
| **M12-UC4** | Display Campaign |
| **M12-UC5** | Share campaign |

**Module 13: Email Marketing**

|  |  |
| --- | --- |
| **M13-UC1** | Add Emails. |
| **M13-UC2** | Send Emails. |
| **M13-UC3** | Specific Category Email. |
| **M13-UC4** | Newsletter Emails. |
| **M13-UC5** | Invite Donors to the Event. |

**Module 14: Be a donor**

|  |  |
| --- | --- |
| **M14-UC1** | Donate for a campaign |
| **M14-UC2** | Participate in a campaign |
| **M14-UC3** | Adopt a child |
| **M14-UC4** | Fund a child |

### 3.1.1 Use Case Diagrams:

Diagram

Description automatically generated

**Figure-1**

Diagram

Description automatically generated

**Figure 2**

Diagram

Description automatically generated

**Figure 3**

Diagram

Description automatically generated

**Figure 4**

Diagram

Description automatically generated

**Figure 5**

Diagram

Description automatically generated

**Figure 6**

### 3.1.2. Use Case Table:

**Module 1: User authorization**

* 1. **Sign up**

|  |  |
| --- | --- |
| **Use Case ID:** | M1-UC1 |
| **Use Case Name:** | Sign Up |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | This Use Case will help users to create their account to use this application. |
| **Trigger:** | The user shall click on the sign-up button. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: There must be an email ID of the user. |
| **Postconditions:** | POST-1: User profile will be created once the user fills the sign-up form and submit it.  POST-1: The user has access to all the activities on the application. |
| **Normal Flow:** | 1. User shall enter the application URL in the browser. 2. At the top menu the user shall be opted to Sign up/ Sign in. 3. Users shall select sign up. 4. A window shall be displayed containing a form to be filled by the user to create an account. |
| **Alternative Flows:** | None |
| **Exceptions:** | 1. Input is invalid 2. A message shall be displayed beside the input field to enter correct credentials. 3. The user shall re-enter the input for specific fields. |
| **Business Rules** | BR-1: Not more than 1 account shall be created on 1 email address.  BR-2: Passwords must be strong for the application user. |
| **Assumptions:** | 1. The user must provide the correct details of the specific field. |

**1.2. Sign in**

|  |  |
| --- | --- |
| **Use Case ID:** | M1-UC2 |
| **Use Case Name:** | Sign in |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | This use case shall allow users to log in to our application. |
| **Trigger:** | The user shall click on sign in button |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: User shall remember the email address and password for his account. |
| **Postconditions:** | Users shall be logged in the system if the provided details are correct. |
| **Normal Flow:** | 1. User shall enter the application URL in the browser. 2. At the top menu the user shall be opted to Sign up/ Sign in. 3. Users shall select sign in. 4. A window shall be displayed containing a form to be filled by the user to sign into the system. |
| **Alternative Flows:** | None |
| **Exceptions:** | 1. Users may forget the password of his/her account. 2. Select forgot password. 3. Normal flow of M1-UC7 |
| **Business Rules** | None |
| **Assumptions:** | The user must remember his/her account email and password. |

**1.3. Email verification**

|  |  |
| --- | --- |
| **Use Case ID:** | M1-UC3 |
| **Use Case Name:** | Email Verification |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | This use case shall verify the emails of the users creating an account on the application. |
| **Trigger:** | The user shall click on the submit button on the sign-up form. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: User shall enter the email address on the sign-up form.  PRE-3: Submission of sign-up form is must. |
| **Postconditions:** | Users can login to the system after email verification. |
| **Normal Flow:** | 1. User enters the details in sign up form. 2. Clicks submit 3. An email will be sent to the user's email address. 4. In the email verify button shall be shown. Users shall click the verify button to verify the email. |
| **Alternative Flows:** | None |
| **Exceptions:** | 1. Email provided by the user is incorrect. 2. Users shall sign up again with the correct email. |
| **Business Rules** | None |
| **Assumptions:** | The user email shall not spam the email sent by the application. |

**1.4. Logout**

|  |  |
| --- | --- |
| **Use Case ID:** | M1-UC4 |
| **Use Case Name:** | Logout |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | Users shall be able to logout of the application. |
| **Trigger:** | The user shall click on the ‘logout’ button while logged into the system. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: User shall be logged in the application. |
| **Postconditions:** | User session on the application will be removed. |
| **Normal Flow:** | 1. Users sign into the application 2. Clicks on logout. |
| **Alternative Flows:** | If the user has not selected the remember me option, closing the browser tab shall log the user out of the application. |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has signed into the application. |

**1.5. Delete user**

|  |  |
| --- | --- |
| **Use Case ID:** | M1-UC5 |
| **Use Case Name:** | Delete user |
| **Actors:** | Admin |
| **Description:** | Admin shall be able to delete a donor or beneficiary from the system. |
| **Trigger:** | The admin shall delete the donor or beneficiary by clicking on delete user. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to open the application.  PRE-2: User shall be logged in the application.  PRE-3 Admin shall be viewing the view user’s table. |
| **Postconditions:** | A specific user will be removed from the system. |
| **Normal Flow:** | 1. Admin sign into the application  2. Clicks on view users   1. Click on the user 2. Click on the delete user |
| **Alternative Flows:** | The user deletes his own account. |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has been deleted from application. |

**1.6. Forgot Password**

|  |  |
| --- | --- |
| **Use Case ID:** | M1-UC6 |
| **Use Case Name:** | Forgot Password |
| **Actors:** | Beneficiary, Volunteer, Admin |
| **Description:** | Users shall be able to recover their passwords through the forgot password option. |
| **Trigger:** | The user shall click on the ‘Forgot password’ button if he forgot his password or is unable to login due to incorrect password. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application  PRE-2: User shall click on the forgot password option. |
| **Postconditions:** | User has changed the password. He has now recovered the password. |
| **Normal Flow:** | 1. User goes into the sign in form 2. User enters the password and is prompted that it is incorrect. 3. User clicks the forgot password option |
| **Alternative Flows:** | The user just clicks on the forgot password directly and recovers it. |
| **Exceptions:** | The user has lost access to his email with which he signed up on the system. |
| **Business Rules** | None |
| **Assumptions:** | The user has recovered the password and changed it. |

**1.7. Change password**

|  |  |
| --- | --- |
| **Use Case ID:** | M1-UC7 |
| **Use Case Name:** | Change password |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | Users shall be able to change his password. |
| **Trigger:** | The user shall click on the ‘Change password’ button while logged into the system. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: User shall be logged in the application.  PRE-3: User shall go into the settings  PRE-4: User shall click change password button. |
| **Postconditions:** | User has changed his password. |
| **Normal Flow:** | 1: Users shall be logged in the application.  2: User shall go into the settings  3: User shall click change password button |
| **Alternative Flows:** | If the user has not selected the remember me option, closing the browser tab shall log the user out of the application. |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has signed into the application. |

**1.8. Login for admin**

|  |  |
| --- | --- |
| **Use Case ID:** | M1-UC8 |
| **Use Case Name:** | Login for admin |
| **Actors:** | Admin |
| **Description:** | Admin shall be able to login through his email and password. |
| **Trigger:** | The admin shall click on the ‘login’ button while he has opened the website. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be on login for admins page. |
| **Postconditions:** | The admin has logged into the system. |
| **Normal Flow:** | 1: Admin shall open the website  2: Admin shall go to login for admins page  3: Admin shall enter credentials  4: Admin gets logged into the system. |
| **Alternative Flows:** | If the user has not selected the remember me option, closing the browser tab shall log the user out of the application. |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has signed into the application. |

**1.9 Logout for admin**

|  |  |
| --- | --- |
| **Use Case ID:** | M1-UC9 |
| **Use Case Name:** | Logout for admin |
| **Actors:** | Admin |
| **Description:** | Admin shall be able to logout of the application. |
| **Trigger:** | The admin shall click on the ‘logout’ button while logged into the system. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in the application. |
| **Postconditions:** | Admin session on the application will be removed. |
| **Normal Flow:** | 1. Users sign into the application   2. Clicks on logout. |
| **Alternative Flows:** | If the user has not selected the remember me option, closing the browser tab shall log the user out of the application. |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has signed in to the application. |

**Module 2: Latest News**

**2.1. Ongoing Campaigns**

|  |  |
| --- | --- |
| **Use Case ID:** | M2-UC1 |
| **Use Case Name:** | Ongoing Campaigns |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | Users can view the Ongoing campaigns handled by the organization. |
| **Trigger:** | Select Ongoing campaign category on the latest news section. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application. |
| **Postconditions:** | None |
| **Normal Flow:** | 1. Enter the application URL in the browser. 2. Select the ongoing campaign category from the latest news section. |
| **Alternative Flows:** | None |
| **Exceptions:** | If no news is added in the application. It shall hide the latest news section |
| **Business Rules** | None |
| **Assumptions:** | The user has visited our application and scrolled to the latest news section. |

**2.2. New Donors/Volunteers**

|  |  |
| --- | --- |
| **Use Case ID:** | M2-UC2 |
| **Use Case Name:** | New Donors/Volunteers |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | New Donors name will be displayed on the applications. |
| **Trigger:** | Select the New Volunteer category on the latest news section. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application. |
| **Postconditions:** | New Donor names will be displayed on the latest news section |
| **Normal Flow:** | 1. Enter the application URL in the browser. 2. Select the new donor’s category from the latest news section. |
| **Alternative Flows:** | Users can select the donor list option from the menu to display donor names. |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has visited our application and scrolled to the latest news section. |

**2.3. Project Built**

|  |  |
| --- | --- |
| **Use Case ID:** | M2-UC3 |
| **Use Case Name:** | Project Built |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | This Use Case will display the projects that have been completed by the organization |
| **Trigger:** | Select the project-built category on the latest news section. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application. |
| **Postconditions:** | Users shall be able to view the organization's past work. |
| **Normal Flow:** | 1. Enter the application URL in the browser. 2. Select project-built option from the latest news category. |
| **Alternative Flows:** | Users can select projects option from the menu to display the previous projects. |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has signed in to the application. |

**2.4. Donations Needed**

|  |  |
| --- | --- |
| **Use Case ID:** | M2-UC4 |
| **Use Case Name:** | Donations Needed |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | Users can view the urgent donation campaigns in the latest news. |
| **Trigger:** | Open the homepage of the application |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application. |
| **Postconditions:** | Users shall be able to view the donation campaigns on the homepage. |
| **Normal Flow:** | 1. Enter the application URL in the browser. 2. Select the donation category from the latest news section. |
| **Alternative Flows:** |  |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has signed into the application. |

**2.5. New project**

|  |  |
| --- | --- |
| **Use Case ID:** | M2-UC5 |
| **Use Case Name:** | New project |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | Users can view the new projects started by the organization. |
| **Trigger:** | Select the new project option from the latest news category |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application. |
| **Postconditions:** | Users shall be able to view the new projects details created on the system. |
| **Normal Flow:** | 1. Enter the application URL in the browser. 2. Select the new project category from the latest news section. |
| **Alternative Flows:** | If the user has not selected the remember me option, closing the browser tab shall log the user out of the application. |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has signed into the application. |

**2.6. Delete News**

|  |  |
| --- | --- |
| **Use Case ID:** | M2-UC6 |
| **Use Case Name:** | Delete News |
| **Actors:** | Admin |
| **Description:** | Admin can delete news from the application. |
| **Trigger:** | Select the news and click delete. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged into the system. |
| **Postconditions:** | Post-1:The specific news will be deleted permanently from the application. |
| **Normal Flow:** | 1. Login to the admin dashboard 2. Select list all news. 3. Delete a specific news item. |
| **Alternative Flows:** |  |
| **Exceptions:** | None |
| **Business Rules** | On deleting the news all information regarding the news should be stopped displaying throughout the website. |
| **Assumptions:** | The admin has Logged in to the application. |

**2.7. Add News**

|  |  |
| --- | --- |
| **Use Case ID:** | M2-UC7 |
| **Use Case Name:** | Add News |
| **Actors:** | Admin |
| **Description:** | Admin can Add news to the application. |
| **Trigger:** | Add news details and click submit. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged into the system. |
| **Postconditions:** | The news will be posted on the website on submit. |
| **Normal Flow:** | 1. Login to the admin dashboard 2. Select add new news. 3. Add news details 4. Select submit to post new news. |
| **Alternative Flows:** | None. |
| **Exceptions:** | None |
| **Business Rules** | On adding the news, it should update the information and display the news on to the latest news section. |
| **Assumptions:** | The admin has Logged in to the application. |

**2.8. Update News**

|  |  |
| --- | --- |
| **Use Case ID:** | M2-UC8 |
| **Use Case Name:** | Update News |
| **Actors:** | Admin |
| **Description:** | Admin can Update news on the application. |
| **Trigger:** | Update news details and click submit. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged into the system. |
| **Postconditions:** | The news will be updated on the application. |
| **Normal Flow:** | 1. Login to the admin dashboard 2. List all news 3. Select news to be updated. 4. Update news details. 5. Click on submit. |
| **Alternative Flows:** | None. |
| **Exceptions:** | None |
| **Business Rules** | On updating the news, it should update the information and display the updated news on to the latest news section. |
| **Assumptions:** | The admin has Logged in to the application. |

**Module 3: Social Media integration**

**3.1. View Picture Gallery**

|  |  |
| --- | --- |
| **Use Case ID:** | M3-UC1 |
| **Use Case Name:** | View picture gallery |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | Users shall be able to see our Instagram post from this gallery |
| **Trigger:** | Open View picture gallery category |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: Users shall go click the view picture gallery option |
| **Postconditions:** | Users shall be able to view our Instagram posts. |
| **Normal Flow:** | 1. Enter the application through the browser. 2. Click the view picture gallery category. |
| **Alternative Flows:** | User directly goes to our Instagram page. |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has viewed our picture gallery. |

**3.2. Share Link on Instagram**

|  |  |
| --- | --- |
| **Use Case ID:** | M3-UC2 |
| **Use Case Name:** | Share Link on Instagram |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | Users shall be able to share our campaigns on Instagram through share link |
| **Trigger:** | The user shall click on the ‘Share link’ button provided below the campaign. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: User shall click the share link to open the link  PRE-3: User shall copy the link  PRE-4: User shall paste the link on his Instagram |
| **Postconditions:** | People can click the link to directly enter our website and see the campaign. |
| **Normal Flow:** | 1. Users open our web app 2. Users click on the share link 3. User copies the link and pastes it on his Instagram. |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has successfully shared our campaign’s link on Instagram. |

**3.3. Share Link on twitter**

|  |  |
| --- | --- |
| **Use Case ID:** | M3-UC3 |
| **Use Case Name:** | Share Link on twitter |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | Users shall be able to share our campaigns on twitter through share link |
| **Trigger:** | The user shall click on the ‘Share link’ button provided below the campaign. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: User shall click the share link to open the link  PRE-3: User shall copy the link  PRE-4: User shall paste the link on his twitter |
| **Postconditions:** | People can click the link to directly enter our website and see the campaign. |
| **Normal Flow:** | 1. Users open our web app 2. Users click on the share link 3. User copies the link and pastes it on his twitter. |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has successfully shared our campaign’s link on twitter. |

**3.4. Share Link on Facebook**

|  |  |
| --- | --- |
| **Use Case ID:** | M3-UC4 |
| **Use Case Name:** | Share Link on Facebook |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | Users shall be able to share our campaigns on twitter through share link |
| **Trigger:** | The user shall click on the ‘Share link’ button provided below the campaign. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: User shall click the share link to open the link  PRE-3: User shall copy the link  PRE-4: User shall paste the link on his Facebook |
| **Postconditions:** | People can click the link to directly enter our website and see the campaign. |
| **Normal Flow:** | 1. Users open our web app 2. Users click on the share link 3. User copies the link and pastes it on his Facebook. |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The user has successfully shared our campaign’s link on Facebook. |

**3.5. Add a YouTube video**

|  |  |
| --- | --- |
| **Use Case ID:** | M3-UC5 |
| **Use Case Name:** | Add YouTube video |
| **Actors:** | Admin, Super admin |
| **Description:** | Admin shall be able to add a YouTube video on the webapp. |
| **Trigger:** | The admin shall paste the URL of YouTube video on the input field and press the ‘Add video’ button. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit the application.  PRE-2: Admin shall be logged into the web application.  PRE-3: Admin shall paste the URL  PRE-4: Admin shall press the add video button |
| **Postconditions:** | The YouTube video is added to the website. |
| **Normal Flow:** | 1: Admin shall have a browser and internet to visit the application.  2: Admin shall be logged into the web application.  3: Admin shall paste the URL  4: Admin shall press the add video button |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | Admin has successfully our YouTube video on the website |

**Module 4: Chat bots**

**4.1. Request chat for loan**

|  |  |
| --- | --- |
| **Use Case ID:** | M4-UC1 |
| **Use Case Name:** | Request chat for loan |
| **Actors:** | Beneficiary |
| **Description:** | Beneficiaries shall be able to request a chat for loan with admin. |
| **Trigger:** | Beneficiary clicks on chat bot and then select chat for loan. |
| **Preconditions:** | PRE-1: Beneficiary shall have a browser and internet to visit our application.  PRE-2: Beneficiary shall be logged on the website.  PRE-3: Beneficiary shall click on the chat bot  PRE-4: Beneficiary shall click on the request for loan |
| **Postconditions:** | Beneficiaries shall be able to chat with admin about Loan. |
| **Normal Flow:** | 1: Enter the application through the browser.  2: Click on the chat bot.  3: Click on the request for a loan.  4: Answer few predefined questions  5: Chat with admin. |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | All pre-conditions must be fulfilled before the user might proceed |
| **Assumptions:** | The beneficiary shall chat about a requested loan from admin. |

**4.2. Request chat for campaign queries.**

|  |  |
| --- | --- |
| **Use Case ID:** | M4-UC2 |
| **Use Case Name:** | Request chat for campaign queries. |
| **Actors:** | Donors |
| **Description:** | Donors shall be able to request a chat for campaign queries with the admin. |
| **Trigger:** | Donors clicks on chat bot and then select chat for campaign queries |
| **Preconditions:** | PRE-1: Donor shall have a browser and internet to visit our application.  PRE-2: Donor shall be logged on the website.  PRE-3: Donor shall click on the chat bot  PRE-4: Donor shall click on the request for loan |
| **Postconditions:** | Donors shall be able to chat with the admin about campaign queries |
| **Normal Flow:** | 1: Enter the application through the browser.  2: Click on the chat bot.  3: Click on the request for media queries.  4: Answer few predefined questions  5: Chat with admin. |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | All pre-conditions must be fulfilled before the user might proceed |
| **Assumptions:** | The Donor shall be able to chat about campaign queries. |

**4.3. Chat with support team**

|  |  |
| --- | --- |
| **Use Case ID:** | M4-UC3 |
| **Use Case Name:** | chat with support team |
| **Actors:** | Donors, beneficiary |
| **Description:** | users shall be able to chat with the support team. |
| **Trigger:** | users click on the chat bot and then request help from the support team. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: Users shall be logged on the website.  PRE-3: Users shall click on the chat bot  PRE-4: Users shall click on the help from the support team. |
| **Postconditions:** | Users shall be able to chat with the support team |
| **Normal Flow:** | 1: Enter the application through the browser.  2: Click on the chat bot.  3: Click on the help from the support team.  4: Answer few predefined questions  5: Chat with support team, |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | All pre-conditions must be fulfilled before the user might proceed |
| **Assumptions:** | The Donor shall be able to chat about campaign queries. |

**4.4. Admin reply**

|  |  |
| --- | --- |
| **Use Case ID:** | M4-UC4 |
| **Use Case Name:** | Admin reply |
| **Actors:** | Admin |
| **Description:** | Admin shall be able to reply to the requested chats he gets. |
| **Trigger:** | The admin shall receive the notification and click on the chatbot. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit the application.  PRE-2: Admin shall be logged into the web application.  PRE-3: Admin shall click on the chatbot |
| **Postconditions:** | Admin replied to incoming texts. |
| **Normal Flow:** | 1: Admin shall have a browser and internet to visit the application.  2: Admin shall be logged into the web application.  3: Admin shall click on the chatbot |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | Admin has successfully replied to the users. |

**Module 5: System reminder for tasks and appointment**

**5.1. Reminder**

|  |  |
| --- | --- |
| **Use Case ID:** | M5-UC1 |
| **Use Case Name:** | Reminder |
| **Actors:** | Donor/Volunteer |
| **Description:** | Donors shall be able to get an email about the campaign that they have volunteered for 2 hours before the campaign begins |
| **Trigger:** | Donors have to volunteer for the campaign and as soon as there are 2 hours left in the campaign. Donor will get an email related to the campaign. |
| **Preconditions:** | PRE-1: Donor shall have an internet and have access to his email.  PRE-2: Donor shall open his email. |
| **Postconditions:** | Donors shall be able to get an email 2 hours before the campaign starts |
| **Normal Flow:** | 1. Open the email account 2. Read the email |
| **Alternative Flows:** | Directly read the email from notifications on your mobile phone or Pc. |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The donor read our email. |

**5.2. Donation confirmation**

|  |  |
| --- | --- |
| **Use Case ID:** | M5-UC2 |
| **Use Case Name:** | Donation confirmation. |
| **Actors:** | System |
| **Description:** | System shall be able to send confirmation email to the donor once our system has received his donation. |
| **Trigger:** | The user shall click on the ‘donate’ button after filling the donation information form. |
| **Preconditions:** | PRE-1: Donor shall have a browser and internet to visit our application.  PRE-2: Donor shall click on the donate button after fulfilling the donation form. |
| **Postconditions:** | Donors shall be able to get a confirmation email. |
| **Normal Flow:** | 1. Donors open the web app 2. Donor logs in and fill out donation form of campaign 3. Donor clicks the donate button 4. Donor gets an email of donation confirmation from our system |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The donor has received the donation confirmation email. |

**5.3. New campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M5-UC3 |
| **Use Case Name:** | New campaign email |
| **Actors:** | System, Admin |
| **Description:** | System shall be able to send email to all donors once an admin starts a campaign. |
| **Trigger:** | The admin shall create a new campaign and then the system shall send an email. |
| **Preconditions:** | PRE-1: Admin shall be logged in.  PRE-2: Admin shall click on the create new campaign button  PRE-3: Admin shall fill out the campaign form and shall create the the campaign |
| **Postconditions:** | A new campaign has been created and donors have gotten an email about the new campaign. |
| **Normal Flow:** | 1. Admin opens the web app and logs in. 2. Admin click on the create new campaign button. 3. Admin fill out the campaign form and shall create the campaign 4. Donors get the new campaign email |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The donor has received the new campaign email. |

**5.4. Campaign completion**

|  |  |
| --- | --- |
| **Use Case ID:** | M5-UC4 |
| **Use Case Name:** | Campaign completion email |
| **Actors:** | System |
| **Description:** | System shall be able to send email to all donors once the campaign has ended or reached the required goal. |
| **Trigger:** | Once the campaign has ended or reached the required goal, then the system shall send an email to all donors. |
| **Preconditions:** | PRE-1: The campaign shall end or reach the required goal.  PRE-2: Donors shall have an active internet connection to receive the email. |
| **Postconditions:** | Donors have been notified about the completion of the campaign. |
| **Normal Flow:** | 1. The campaign ends.  2. Donors get notified about the completion of the campaign. |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | The donor has received the new campaign email. |

**5.5. Appointment email**

|  |  |
| --- | --- |
| **Use Case ID:** | M5-UC5 |
| **Use Case Name:** | Appointment email |
| **Actors:** | System |
| **Description:** | System shall notify the user who has booked a meeting 2 hours before the appointed meeting. |
| **Trigger:** | When the time is left 2 hours before the meeting user will be notified. |
| **Preconditions:** | PRE-1: There should be 2 hours left in the appointed meeting.  PRE-2: Users must have an active internet to get the email. |
| **Postconditions:** | The users are notified about the appointed meeting. |
| **Normal Flow:** | 1: There are 2 hours left in the appointed meeting.  2: Users have active internet  3: They receive an email to remind them |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | None |
| **Assumptions:** | Users are notified about their appointed email. |

**Module 6: Loan Management**

**6.1. Search beneficiary Loan Data**

|  |  |
| --- | --- |
| **Use Case ID:** | M6-UC1 |
| **Use Case Name:** | Search beneficiary loan data |
| **Actors:** | Admin |
| **Description:** | Admin can search beneficiary loan information. |
| **Trigger:** | Admin inputs the ID and clicks submit. |
| **Preconditions:** | PRE-1: Donor shall have an internet and have access to his email.  PRE-2: Admin shall be logged in the application |
| **Postconditions:** | Displays the beneficiary information on submit. |
| **Normal Flow:** | 1. Login to admin dashboard 2. Select search beneficiary 3. Input beneficiary ID. 4. Displays the beneficiary details in the table. |
| **Alternative Flows:** | None |
| **Exceptions:** | Beneficiary with the email does not exist. |
| **Business Rules** | Beneficiaries shall be searched by ID. As ID will be unique for all beneficiaries. |
| **Assumptions:** | The admin has logged in to the application. |

**6.2. Add Loan**

|  |  |
| --- | --- |
| **Use Case ID:** | M6-UC2 |
| **Use Case Name:** | Add Loan |
| **Actors:** | Admin |
| **Description:** | Admin shall add the loan amount of a beneficiary in the application. |
| **Trigger:** | Admin will select the beneficiary and add the loan amount. Clicks submit. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the system. |
| **Postconditions:** | Loan amount will be displayed at the beneficiary dashboard. |
| **Normal Flow:** | 1. Login to Admin Dashboard 2. Select Add Loan 3. Select Beneficiary 4. Add Loan Amount 5. Click Submit. |
| **Alternative Flows:** | None |
| **Exceptions:** | 1. If Beneficiary already has a pending loan. Then add this loan amount in the previous amount. 2. Entered amount shall not be less than or equal to zero. |
| **Business Rules** | Amount shall be added with the consent of the beneficiary. Beneficiaries can inform via chat bot in case of error. |
| **Assumptions:** | 1. Admin shall be logged in to the application 2. Loan amount shall be added with the consent of beneficiaries. |

**6.3. Update Loan**

|  |  |
| --- | --- |
| **Use Case ID:** | M6-UC3 |
| **Use Case Name:** | Update loan |
| **Actors:** | System |
| **Description:** | System shall be able to update the loan amount of the beneficiary. |
| **Trigger:** | The beneficiary returns a loan |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: Beneficiary shall be logged in to the application. |
| **Postconditions:** | Beneficiary shall return the amount. |
| **Normal Flow:** | 1. Login to Admin Dashboard 2. Select return loan 3. Enter amount 4. Click Submit |
| **Alternative Flows:** | None |
| **Exceptions:** | Entered amount shall not be less than or equal to zero. |
| **Business Rules** | Amount shall be updated once the beneficiary has transferred or requested for money. |
| **Assumptions:** | The beneficiary loan data is updated. |

**6.4. Remove Loan**

|  |  |
| --- | --- |
| **Use Case ID:** | M6-UC4 |
| **Use Case Name:** | Remove Loan |
| **Actors:** | Admin |
| **Description:** | In this use case we can delete the loan amount of the beneficiary. |
| **Trigger:** | Select Beneficiary click on clear loan. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the application. |
| **Postconditions:** | Loan Amount shall be removed from the beneficiary dashboard. |
| **Normal Flow:** | 1. Login to Admin Dashboard 2. Select Beneficiary 3. Change loan status to ‘paid’. |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | Once the loan is paid by the beneficiary, no notifications should be sent regarding the previous loan. |
| **Assumptions:** | The user has successfully shared our campaign’s link on Facebook. |

**6.5. Request Loan**

|  |  |
| --- | --- |
| **Use Case ID:** | M6-UC5 |
| **Use Case Name:** | Request Loan |
| **Actors:** | Beneficiary |
| **Description:** | Beneficiaries can request the loan from the organization. |
| **Trigger:** | Fill the loan form and click submit. |
| **Preconditions:** | PRE-1: Beneficiary shall have a browser and internet to visit the application.  PRE-2: Beneficiary shall be logged in the system. |
| **Postconditions:** | Form request will be sent to the admin and assigned a status. |
| **Normal Flow:** | 1. Beneficiaries shall log in to the application. 2. From beneficiary’s dashboard select ‘request a loan’ 3. Fill out the form. 4. Click ‘submit form’ |
| **Alternative Flows:** | None |
| **Exceptions:** | Fields are empty or not correct. Form will not be submitted without valid information. |
| **Business Rules** | Form entries shall be evaluated by the system admin. |
| **Assumptions:** | Beneficiary is logged in to the system and provided details are valid. |

**6.6. Loan Status**

|  |  |
| --- | --- |
| **Use Case ID:** | M6-UC6 |
| **Use Case Name:** | Loan Status |
| **Actors:** | Admin |
| **Description:** | Admin shall assign the request status sent by the beneficiary. |
| **Trigger:** | Select a status from the given options. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit the application.  PRE-2: Admin shall be logged in the system. |
| **Postconditions:** | request status will be updated on the beneficiary dashboard. |
| **Normal Flow:** | 1. Login to Admin panel 2. Select Loan Forms 3. Select a Form 4. Change status from the given options. |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | Loan forms can be accepted, rejected, or added into pending status by the admin. |
| **Assumptions:** | Admin has read the form carefully and verified all the details. |

**Module 7: Beneficiary**

**7.1. Return loan to organization**

|  |  |
| --- | --- |
| **Use Case ID:** | M7-UC1 |
| **Use Case Name:** | Return loan to organization |
| **Actors:** | Beneficiary |
| **Description:** | Beneficiary shall be able to return some amount of the loan or the whole loan at once |
| **Trigger:** | Beneficiary shall then fill the form of return debt and press ‘return ‘ to pay his debt. |
| **Preconditions:** | PRE-1: Beneficiary shall have an internet and shall be logged into the website.  PRE-2: Beneficiary shall open view debt category  PRE-3: Beneficiary shall open return debt form  PRE-4: Beneficiary shall enter the amount to return and give his details. |
| **Postconditions:** | Beneficiary is able to return part of Loan. |
| **Normal Flow:** | 1. Beneficiary open view debt category 2. Beneficiary open return debt form. 3. Beneficiary enters the amount he wants to return. |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | Beneficiaries shall enter the amount to return through return debt form. |
| **Assumptions:** | The beneficiary has returned loan to organization |

**7.2. Request for Loan**

|  |  |
| --- | --- |
| **Use Case ID:** | M7-UC3 |
| **Use Case Name:** | Request for campaign |
| **Actors:** | Beneficiary |
| **Description:** | Beneficiary got to request a campaign and fill out the campaign form. |
| **Trigger:** | Beneficiary shall press request for campaign button after filling the form |
| **Preconditions:** | PRE-1: Beneficiary shall have an internet and shall be logged into the website.  PRE-2: Beneficiary shall open request for loan category.  PRE-3: Beneficiary shall fill request for loan form  PRE-4: Beneficiary shall enter the amount to request for loan and give his details. |
| **Postconditions:** | Beneficiary shall be able to make a request for a loan. |
| **Normal Flow:** | 1. Beneficiary open request for loan category. 2. Beneficiary fill request for loan form 3. Beneficiary presses the request for loan button |
| **Alternative Flows:** | None |
| **Exceptions:** | Organization cannot lend loans at the time being. |
| **Business Rules** | Beneficiary shall enter the amount that he wants to request through the request loan form. |
| **Assumptions:** | Beneficiary has successfully made a request for a loan. |

**7.3. Request for campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M7-UC3 |
| **Use Case Name:** | Request for loan |
| **Actors:** | Beneficiary |
| **Description:** | Beneficiary got to request for the loan category and fill the request loan form. |
| **Trigger:** | Beneficiary shall press ask for loan button after filling the form |
| **Preconditions:** | PRE-1: Beneficiary shall have an internet and shall be logged into the website.  PRE-2: Beneficiary shall open request for campaign category.  PRE-3: Beneficiary shall fill request for campaign form  PRE-4: Beneficiary shall press the request for loan button. |
| **Postconditions:** | Beneficiary shall be able to make a request for a campaign. |
| **Normal Flow:** | 1. Beneficiary open request for campaign category. 2. Beneficiary fill request for campaign form 3. Beneficiary presses the request for campaign button |
| **Alternative Flows:** | None |
| **Exceptions:** | Beneficiary didn't provide valid data. |
| **Business Rules** | Beneficiary shall give proper description of the campaign that he wants to request through the request campaign form. |
| **Assumptions:** | Beneficiary has successfully made a request for a campaign |

**7.4. View debt**

|  |  |
| --- | --- |
| **Use Case ID:** | M7-UC4 |
| **Use Case Name:** | View debt |
| **Actors:** | Beneficiary |
| **Description:** | Beneficiaries shall be able to view their current debt by clicking on the view debt category. Beneficiary shall be able to view all stats of his loan. Beneficiaries shall be able to see how much loan has been returned. How much has returned. How much time in remaining |
| **Trigger:** | The Beneficiary shall click on the ‘view debt’ category. |
| **Preconditions:** | PRE-1: Beneficiary shall have a browser and internet to visit our application.  PRE-2: Beneficiary shall click on the view debt category. |
| **Postconditions:** | Beneficiary shall be able to view all of the debt data. |
| **Normal Flow:** | 1. Beneficiary enters his credentials to login into the application. 2. Beneficiary shall click on the view debt category 3. Beneficiary shall navigate his current debt |
| **Alternative Flows:** | None |
| **Exceptions:** | Beneficiary has no debt. |
| **Business Rules** | Beneficiary must log in to view his current debt data. |
| **Assumptions:** | The beneficiary has successfully viewed his debt data. |

**Module 8: Total Amount Donated Bar**

**8.1. Show percentage of bar**

|  |  |
| --- | --- |
| **Use Case ID:** | M8-UC1 |
| **Use Case Name:** | Show percentage of bar |
| **Actors:** | Beneficiary, Volunteer |
| **Description:** | Users can view the percentage of the amount donated to the cause. |
| **Trigger:** | Users can view the bar at the specified campaign page. |
| **Preconditions:** | PRE-1: Users shall have an internet connection. |
| **Postconditions:** | Bar value shall increase on the new donations. |
| **Normal Flow:** | 1. Open Campaign page 2. Select a Campaign 3. Donation Bar will be appeared on campaign page |
| **Alternative Flows:** | None |
| **Exceptions:** | If Amount donated exceeds the limit, the bar shall show the donation amount 100%. |
| **Business Rules** | if donation exceeds the limit, then the exceeded amount shall be used in other campaigns. |
| **Assumptions:** | none |

**8.2. Donate To Campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M8-UC2 |
| **Use Case Name:** | Donate To Campaign |
| **Actors:** | Volunteer |
| **Description:** | Users can view the campaign and select a campaign to donate. |
| **Trigger:** | Click on the ‘donate’ button to donate an amount. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application. |
| **Postconditions:** | Volunteers can donate to campaigns via credit or debit card. |
| **Normal Flow:** | 1. Open Campaign page 2. Select a campaign 3. Click donate 4. Enter card detail and amount to be donated 5. Click ‘donate’ |
| **Alternative Flows:** | None |
| **Exceptions:** | 1. Entered card details are incorrect |
| **Business Rules** | Amount shall be added with the consent of the beneficiary. Beneficiaries can inform via chat bot in case of error. |
| **Assumptions:** | 1. Admin shall be logged in to the application 2. Loan amount shall be added with the consent of beneficiaries. |

**8.3. Next Campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M8-UC3 |
| **Use Case Name:** | Next Campaign |
| **Actors:** | Volunteer |
| **Description:** | Users can view the next campaign from the campaign detail page. |
| **Trigger:** | Click ‘Next Campaign’ |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application. |
| **Postconditions:** | Users can view the next campaign without moving back to the campaign page. |
| **Normal Flow:** | 1. Open Campaign page 2. Select a Campaign 3. Display Campaign detail 4. Click ‘Next Campaign’ |
| **Alternative Flows:** | Go back to the campaign page, select the next campaign. |
| **Exceptions:** | If there is no next campaign, then the button shall be disabled. |
| **Business Rules** | Campaigns shall be added in a sequence. |
| **Assumptions:** | There are more than 1 campaigns added in the application. |

**8.4. Previous Campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M8-UC4 |
| **Use Case Name:** | Previous Campaign |
| **Actors:** | Volunteer |
| **Description:** | Users can view the previous campaign from the campaign detail page. |
| **Trigger:** | Click ‘Previous Campaign’ |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application. |
| **Postconditions:** | Users can view the previous campaign without moving back to the campaign page. |
| **Normal Flow:** | 1. Open Campaign page 2. Select a Campaign 3. Display Campaign detail 4. Click ‘Previous Campaign’ |
| **Alternative Flows:** | Go back to the campaign page, select the previous campaign. |
| **Exceptions:** | If there is no previous campaign, then the button shall be disabled. |
| **Business Rules** | Campaigns shall be added in a sequence. |
| **Assumptions:** | There are more than 1 campaigns added in the application. |

**Module 9: Donation amount notification**

**9.1. Display latest donations done by donor**

|  |  |
| --- | --- |
| **Use Case ID:** | M9-UC1 |
| **Use Case Name:** | Latest donations done by donor |
| **Actors:** | System |
| **Description:** | System can show the latest donations done by donors to the organization. |
| **Trigger:** | Donors have donated to a campaign. |
| **Preconditions:** | PRE-1: Donors shall have an internet connection.  PRE-2: Donor shall donate to any campaign.  PRE-3: System updates notification sidebar |
| **Postconditions:** | The users of the website shall be able to see the latest donations made. |
| **Normal Flow:** | 1. Open website 2. Open homepage 3. See the latest donation |
| **Alternative Flows:** | None |
| **Exceptions:** | If the system is down, it won't be able to upload the latest donations. |
| **Business Rules** | Users shall go to the home page and stay active for a while to see a notification pop up. |
| **Assumptions:** | System has uploaded the latest donations on the display donation bar |

**9.2. Display how much is needed for campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M9-UC2 |
| **Use Case Name:** | Display how much is needed for campaign |
| **Actors:** | System |
| **Description:** | System can show how much donations are needed for campaigns. |
| **Trigger:** | Users visited the website and were active for a while. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: Users shall open our website.  PRE-3: System updates notification sidebar and views the amount of donations needed for campaigns. |
| **Postconditions:** | Users shall be able to see how much donation is needed for the campaigns. |
| **Normal Flow:** | 1. User visits the website 2. Notification sidebar pops up after some time updating them about amount needed for campaign |
| **Alternative Flows:** | None |
| **Exceptions:** | There are no campaigns at the time being so no notification pops up. |
| **Business Rules** | The notification sidebar will be available on the home page only |
| **Assumptions:** | System has displayed notifications related to how much of a donation is needed for campaigns. |

**9.3. Remove old donor’s notifications**

|  |  |
| --- | --- |
| **Use Case ID:** | M9-UC3 |
| **Use Case Name:** | Remove donations by donor |
| **Actors:** | Admin |
| **Description:** | Admin shall be able to delete old donations by donors so new data should only be presented into the side bar. |
| **Trigger:** | The admin shall press delete button against the data being displayed through notification |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the application.  PRE-3: Admin shall go to notification settings category  PRE-4: Admin shall press delete button in the table against the specific data being shown. |
| **Postconditions:** | Old donor notification has been deleted. |
| **Normal Flow:** | 1. Admin log into the website 2. Admin go to notification settings category 3. Admin presses the delete button in the table against the specific data being shown. |
| **Alternative Flows:** | None |
| **Exceptions:** | There is no old data to delete. |
| **Business Rules** | Admin has to go to the notification setting table and delete the old data. |
| **Assumptions:** | The notification bar will only show the latest donors. |

**9.4. Add latest donors**

|  |  |
| --- | --- |
| **Use Case ID:** | M9-UC4 |
| **Use Case Name:** | Add new donors data to notification |
| **Actors:** | Admin |
| **Description:** | Admin shall be able to add new donors to notifications setting tables. So the website displays a notification with a welcome message in the notification sidebar. |
| **Trigger:** | The admin shall press the add button in the notification setting table. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the application.  PRE-3: Admin shall go to notification settings category  PRE-4: Admin shall press delete button in the table against the specific data being shown. |
| **Postconditions:** | Old donor notification has been deleted. |
| **Normal Flow:** | 1. Admin log into the website 2. Admin go to notification settings category 3. Admin presses the add button in the notification setting table. 4. Admin fills the form displayed 5. Admin presses add |
| **Alternative Flows:** | None |
| **Exceptions:** | There are no new donors to display.. |
| **Business Rules** | Admin has to go to the notification setting table and add new donors data. |
| **Assumptions:** | The notification bar will show a welcome message with the new donor’s name. |

**Module 10: Transferring Money from Donor To Organization**

**10.1. Add Card Details**

|  |  |
| --- | --- |
| **Use Case ID:** | M10-UC1 |
| **Use Case Name:** | Add Card Details |
| **Actors:** | Donors |
| **Description:** | Donors shall add the card details for donating. |
| **Trigger:** | Click Add Card Information. |
| **Preconditions:** | PRE-1: Donors shall have an internet connection.  PRE-2: Donors shall have credit/debit card.  PRE-3: Users shall be logged in to the application. |
| **Postconditions:** | Users can choose whether to save the card details in application. |
| **Normal Flow:** | 1. Select a campaign 2. Click Donate 3. Add card details in the field |
| **Alternative Flows:** | None |
| **Exceptions:** | The card shall be a master or visa card. |
| **Business Rules** | Card data shall be fully secured with having near to none security breach. |
| **Assumptions:** | Cards shall have online payments activated. |

**10.2. Generate Receipts.**

|  |  |
| --- | --- |
| **Use Case ID:** | M10-UC2 |
| **Use Case Name:** | Generate Receipts |
| **Actors:** | System |
| **Description:** | System shall generate a receipt of the donation done by the donor. |
| **Trigger:** | Successful Donation |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: Volunteers shall donate to a campaign.  PRE-3: Users shall be logged in to the application. |
| **Postconditions:** | 1. Donated amount will be added to the donor records 2. Percentage bar will increase on the basis of the amount donated. |
| **Normal Flow:** | 1. Volunteer deposits the amount 2. Success page will be displayed 3. A pdf receipt file will be attached at the bottom. |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | The PDF file will be the only legal proof the volunteer will have for the donation. |
| **Assumptions:** | Volunteers have logged in and successfully donated on our application. |

**10.3. Update Donation Record**

|  |  |
| --- | --- |
| **Use Case ID:** | M10-UC3 |
| **Use Case Name:** | Update Donor Record |
| **Actors:** | System |
| **Description:** | In this use case system will update the donor record upon donation. |
| **Trigger:** | Successful Donation. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: Users shall be logged in to the application.  PRE-3: Volunteer shall donate to a campaign |
| **Postconditions:** | Total donation record will be updated on successful donation. |
| **Normal Flow:** | 1. Volunteer deposits the amount 2. System shall update the records |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | Donation records shall only be shared with the Admins of the application. |
| **Assumptions:** | none. |

**10.4. Select Donation Category**

|  |  |
| --- | --- |
| **Use Case ID:** | M10-UC4 |
| **Use Case Name:** | Select Donation Category |
| **Actors:** | Volunteers |
| **Description:** | Donor shall select the category to which he/she wants to donate |
| **Trigger:** | Select Category from options. |
| **Preconditions:** | PRE-1: Volunteers shall have a browser and internet to visit the application.  PRE-2: Volunteers shall be logged in the system. |
| **Postconditions:** | none |
| **Normal Flow:** | 1. Select donate option from volunteer dashboard 2. Select category 3. Add card details 4. Enter donation amount 5. Click Donate. |
| **Alternative Flows:** | None |
| **Exceptions:** | If no category is selected, donations will be sent to the general donation. |
| **Business Rules** | Donations to a certain category shall be spent on that specific category. |
| **Assumptions:** | None. |

**10.5. General Donation**

|  |  |
| --- | --- |
| **Use Case ID:** | M10-UC5 |
| **Use Case Name:** | General Donation |
| **Actors:** | Volunteers |
| **Description:** | Volunteers shall donate in general. Organizations shall be allowed to spend anyway they prefer. |
| **Trigger:** | Select general from options. |
| **Preconditions:** | PRE-1: Volunteers shall have a browser and internet to visit the application.  PRE-2: Volunteers shall be logged in the system. |
| **Postconditions:** | none |
| **Normal Flow:** | 1. Select donate option from volunteer dashboard 2. Select general option 3. Add card details 4. Enter donation amount 5. Click Donate. |
| **Alternative Flows:** | None |
| **Exceptions:** | If no category is selected, donations will be sent to the general donation. |
| **Business Rules** | Organizations can spend general donations anyway they prefer. |
| **Assumptions:** | None. |

**Module 11: Keeping track of donations every month**

**11.1. Display Latest record**

|  |  |
| --- | --- |
| **Use Case ID:** | M11-UC1 |
| **Use Case Name:** | Display latest record |
| **Actors:** | System |
| **Description:** | System shall display the latest record in the analytics. Every time Data is updated in the database. |
| **Trigger:** | Data in the database has been updated |
| **Preconditions:** | PRE-1: Data is changed in the database either by admin or by donor making the donations.  PRE-2: Analytics component is rendering without any difficulty |
| **Postconditions:** | The system is rendering the latest data from the database. |
| **Normal Flow:** | 1. Data is changed in the database either by admin or by the donor making the donations. 2. Analytics component renders the data |
| **Alternative Flows:** | Admin changes the data manually |
| **Exceptions:** | none |
| **Business Rules** | Data in the system has to be updated in order for the new data to be rendered. |
| **Assumptions:** | Any latest changes in the system are being shown in the analytics. |

**11.2. Generate graph for donations**

|  |  |
| --- | --- |
| **Use Case ID:** | M11-UC2 |
| **Use Case Name:** | Generate graphs for donations. |
| **Actors:** | System |
| **Description:** | System shall generate a graph for donation. Everytime new donations are being made to the organization, Graph gets updated. |
| **Trigger:** | Donations are being made to the organization. |
| **Preconditions:** | PRE-1:Donor shall donate to the organization  PRE-2:Data is going correctly into the database.  PRE-3:Frontend is in perfect sync with the database. |
| **Postconditions:** | Graph is showing based on the latest data in the database. |
| **Normal Flow:** | 1. Donations are being added to the database 2. Graph is being update with changes in the database |
| **Alternative Flows:** | None |
| **Exceptions:** | Graph is not updated with the latest donation. |
| **Business Rules** | The changes in the donations database will directly affect the graph and the graph is being updated due donations. |
| **Assumptions:** | System is updating graphs based on the latest donations. |

**11.3. Compare donations**

|  |  |
| --- | --- |
| **Use Case ID:** | M11-UC3 |
| **Use Case Name:** | Compare donations. |
| **Actors:** | Admin, super admin |
| **Description:** | Admin shall click the category of comparing donations. He can then view graphs and analytics of the current month with the previous months. The admin can select which month’s data he wants to compare this month. |
| **Trigger:** | The admin clicks on to compare donations category. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the application.  PRE-3: Admin shall go to compare donations category  PRE-4: Admin shall click on the month he wants to compare current month’s data to. |
| **Postconditions:** | Admin shall be able to compare the data of current month with any month or by default previous month |
| **Normal Flow:** | 1. Admin go to compare donations category 2. Admin clicks on the month he wants to compare current month’s data to. |
| **Alternative Flows:** | None |
| **Exceptions:** | The previous month data was not recorded |
| **Business Rules** | Admin shall go to the compare data category and compare the data. |
| **Assumptions:** | The admin can clearly compare the data between different months and see the analytics. |

**11.4. Show analytics**

|  |  |
| --- | --- |
| **Use Case ID:** | M11-UC4 |
| **Use Case Name:** | Show analytics |
| **Actors:** | System, Admin |
| **Description:** | System shall be able to show analytics.Analytics shall include how many beneficiaries and donors are added and deleted in this month.How many donations are added into the database. How many campaigns have been started?These analytics shall also be shown with respective graphs. |
| **Trigger:** | The admin shall click on the analytics categories. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the application.  PRE-3: Admin shall go to analytics category |
| **Postconditions:** | Admin is able to view monthly analytics. |
| **Normal Flow:** | 1. Click on the view analytics category 2. View this months analytics |
| **Alternative Flows:** | Admin can also view analytics displayed below the graph. |
| **Exceptions:** | Analytics are not updated with the latest data. |
| **Business Rules** | System will update analytics with the latest changes made in the database. Admin has to view analytics through the analytics category. |
| **Assumptions:** | The system has displayed the latest analytics and the admin can view the analytics from the analytics category. |

**11.5. Predict donation revenue**

|  |  |
| --- | --- |
| **Use Case ID:** | M11-UC5 |
| **Use Case Name:** | Predict donation revenue |
| **Actors:** | System |
| **Description:** | System shall predict yearly revenue based on a 6 months donation. Admin shall go to view revenue category and the system will show the predictions there, Artificial intelligence shall be used for this.Admin shall also be able to view previous year revenue. |
| **Trigger:** | The system shall automatically calculate revenue for the year |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the application.  PRE-3: Admin shall go to view revenue category  PRE-4: Admin shall click on the previous year revenue or prediction of this year revenue. |
| **Postconditions:** | System shows the predictions about yearly revenue and shows previous year revenue. |
| **Normal Flow:** | 1. Admin log into the application 2. Admin goes to view revenue category 3. Admin views yearly revenue prediction. 4. Admin also views last year revenue |
| **Alternative Flows:** | None |
| **Exceptions:** | Not enough data to make a prediction. |
| **Business Rules** | Admin has to go to the yearly revenue and see the data |
| **Assumptions:** | Admin has successfully viewed year revenue. It’s either previous year revenue or prediction of this year. |

**Module 12: Campaign creation**

**12.1. Add campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M12-UC1 |
| **Use Case Name:** | Add campaign |
| **Actors:** | Admin,Super admin. |
| **Description:** | Admin shall be able to add campaigns through campaign creation form. Admin shall first navigate to campaign category |
| **Trigger:** | Admin clicks on the create campaign button. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the application.  PRE-3: Admin shall go to campaign category  PRE-4: Admin shall fill the form and enter information about the campaign. |
| **Postconditions:** | Admin has successfully created a new campaign |
| **Normal Flow:** | 1. admin login the application 2. admin goes to campaign category 3. admin adds a new campaign. |
| **Alternative Flows:** | none |
| **Exceptions:** | none |
| **Business Rules** | Admin has to fill the form of campaign creation and enter the data into the database which will then be rendered as one of our new campaigns. |
| **Assumptions:** | Admin has successfully created a new campaign |

**12.2. Update campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M12-UC1 |
| **Use Case Name:** | Update campaign |
| **Actors:** | Admin, Super admin. |
| **Description:** | Admin shall be able to update campaigns through campaign update form. There will be an update button against each campaign. Admin shall first navigate to campaign category |
| **Trigger:** | Admin clicks on the update campaign button. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the application.  PRE-3: Admin shall go to campaign category  PRE-4: Admin shall fill the form and enter information about the updating campaign. |
| **Postconditions:** | Admin has successfully updated the campaign |
| **Normal Flow:** | 1. admin login the application 2. admin goes to campaign category 3. admin adds a new campaign. |
| **Alternative Flows:** | none |
| **Exceptions:** | none |
| **Business Rules** | Admin has to fill the form of updating campaign and enter the data into the database which will then be rendered as one of our new campaigns. |
| **Assumptions:** | Admin has successfully updated a campaign |

**12.3. Delete campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M12-UC3 |
| **Use Case Name:** | Delete campaign |
| **Actors:** | Admin, super admins |
| **Description:** | Admin shall be able to update campaigns through campaign update form.There will be an update button against each campaign. Admin shall first navigate to campaign category |
| **Trigger:** | Admin clicks on the update campaign button. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the application.  PRE-3: Admin shall go to campaign category  PRE-4: Admin click on the campaign to delete |
| **Postconditions:** | 1. Admin see presses the delete button 2. Admin has successfully deleted a campaign. |
| **Normal Flow:** | 1. admin login the application 2. admin goes to campaign category 3. admin deletes a new campaign. |
| **Alternative Flows:** | none |
| **Exceptions:** | none |
| **Business Rules** | Admin has to click on the campaign and press the delete button.. |
| **Assumptions:** | Admin has successfully deleted a campaign |

**11.4. Display campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M12-UC4 |
| **Use Case Name:** | Display campaign |
| **Actors:** | System |
| **Description:** | System shall display our campaigns to the donors and users of our website. Campaigns shall be viewed from campaigns category in donor’s dashboard. Campaigns can also be viewed from the latest news page with campaigns being rendered there. Campaigns shall be displayed as soon as admin adds a campaign to the database. |
| **Trigger:** | The admin shall click on the analytics categories. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the application.  PRE-3: Admin shall add the campaign to database  PRE-4: Users/donors shall have an active internet |
| **Postconditions:** | Campaigns are displayed in the campaign category for donors and are also displayed on the normal website so the user can view it. |
| **Normal Flow:** | 1. Admin adds campaign to the database 2. Campaigns get rendered on the campaign category in donors dashboard. 3. Campaigns are getting rendered on the latest news section and our webpage |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | System shall automatically render the campaigns one they are added into the database. |
| **Assumptions:** | The system has displayed the latest campaigns. |

**12.5. Share campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M12-UC5 |
| **Use Case Name:** | Share campaign |
| **Actors:** | Admin,donors,beneficiary |
| **Description:** | Each campaign shall have a shareable link and admin,donors,beneficiary shall copy that link and share it on their social accounts to promote our cause. |
| **Trigger:** | The users shall copy that link and paste on social media. |
| **Preconditions:** | PRE-1: Users shall have a browser and internet to visit our application.  PRE-2: Users shall navigate to our campaigns section.  PRE-3: Users shall copy the link  PRE-4: Users shall paste the link on their socials |
| **Postconditions:** | Users have successfully shared the campaign on their socials via link. |
| **Normal Flow:** | 1. Users open the website 2. Users navigate to the our campaign section 3. Users copy the link 4. Users paste it on their socials. |
| **Alternative Flows:** | None |
| **Exceptions:** | Link gets corrupted |
| **Business Rules** | Users have to copy the link and then paste it on their socials. |
| **Assumptions:** | Our campaigns are successfully shared on social media. |

**Module 13: Email Marketing**

**13.1. Add Emails**

|  |  |
| --- | --- |
| **Use Case ID:** | M13-UC1 |
| **Use Case Name:** | Add Emails |
| **Actors:** | Users |
| **Description:** | Users shall provide their emails through an email signup form. |
| **Trigger:** | Enter email and click submit. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application. |
| **Postconditions:** | Verification email shall be sent to the user, user shall verify the email. |
| **Normal Flow:** | 1. Visit the homepage. 2. Scroll to the email signup form. 3. Enter your email. 4. Click submit. |
| **Alternative Flows:** | Create an account on the application. You will be asked to be sent newsletter emails, select yes. |
| **Exceptions:** | If the email is already included in the database. Ignore the email address. |
| **Business Rules** | Emails shall be verified before adding them into the database. |
| **Assumptions:** | Users shall enter a valid email address. |

**13.2. Send Emails**

|  |  |
| --- | --- |
| **Use Case ID:** | M13-UC2 |
| **Use Case Name:** | Send Emails |
| **Actors:** | System |
| **Description:** | System shall send the emails to the user on specific events. |
| **Trigger:** | Email verification, New Donation, Newsletter, New Campaign. |
| **Preconditions:** | PRE-1: System shall have SMTP for sending emails. |
| **Postconditions:** | Users shall receive the emails sent from the system. |
| **Normal Flow:** | System checks the condition if email needs to be sent, system shall send the email. |
| **Alternative Flows:** | none |
| **Exceptions:** | Email shall be valid including in the database. |
| **Business Rules** | New email shall be sent whenever a new email is sent. |
| **Assumptions:** | none. |

**13.3. Specific Category Email**

|  |  |
| --- | --- |
| **Use Case ID:** | M13-UC3 |
| **Use Case Name:** | Specific Category Email |
| **Actors:** | System |
| **Description:** | The volunteers who have donated to a specific category, shall be updated on creation of new campaigns of the same category. |
| **Trigger:** | Admin clicks on the update campaign button. |
| **Preconditions:** | PRE-1: System shall have SMTP for sending emails. |
| **Postconditions:** | Users shall receive the emails sent from the system. |
| **Normal Flow:** | Creation of a new campaign shall send the emails to the donor who have donated to the same cause before. |
| **Alternative Flows:** | none |
| **Exceptions:** | none |
| **Business Rules** | New email shall be sent whenever a new email is sent. |
| **Assumptions:** | Admin has successfully deleted a campaign |

**13.4. Newsletter Emails**

|  |  |
| --- | --- |
| **Use Case ID:** | M13-UC4 |
| **Use Case Name:** | Newsletter Emails |
| **Actors:** | System |
| **Description:** | Newsletter emails will be sent through our application. Inviting people to visit our application. |
| **Trigger:** | Click Send Mail |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the application.  PRE-3: System shall have SMTP for sending emails. |
| **Postconditions:** | An email will be sent to all users registered to the signup form. |
| **Normal Flow:** | 1. Login to Admin Dashboard 2. Select Newsletter Email 3. Write email body and subject 4. Send mail |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | Emails shall only be sent to the users that have subscribed to the newsletter signup form. |
| **Assumptions:** | All the emails shall be verified in the newsletter list. |

**13.5. Invite donors to the events**

|  |  |
| --- | --- |
| **Use Case ID:** | M13-UC5 |
| **Use Case Name:** | Invite donors to the events |
| **Actors:** | Admin |
| **Description:** | In this use case admin can invite donors to an event via email. |
| **Trigger:** | Click send invite. |
| **Preconditions:** | PRE-1: Admin shall have a browser and internet to visit our application.  PRE-2: Admin shall be logged in to the application.  PRE-3: System shall have SMTP for sending emails. |
| **Postconditions:** | Donors shall be able to view the invite to the upcoming events. |
| **Normal Flow:** | 1. Login to Admin Dashboard 2. Select Invitation Email 3. Write email body and subject 4. Send mail |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | Emails shall only be sent to the donors who have donated on the application. |
| **Assumptions:** | None |

**Module 14: Be a Donor**

**14.1. Donate For a Campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M14-UC1 |
| **Use Case Name:** | Donate for a campaign |
| **Actors:** | Volunteer |
| **Description:** | Volunteers shall donate to a campaign. |
| **Trigger:** | Click Add Card Information. |
| **Preconditions:** | PRE-1: Donors shall have an internet connection.  PRE-2: Donors shall have credit/debit card.  PRE-3: Users shall be logged in to the application. |
| **Postconditions:** | Users can choose whether to save the card details in the application. |
| **Normal Flow:** | 1. Select a campaign 2. Click Donate 3. Add card details in the field |
| **Alternative Flows:** | None |
| **Exceptions:** | The card shall be a master or visa card. |
| **Business Rules** | Card data shall be fully secured with having near to none security breach. |
| **Assumptions:** | Cards shall have online payments activated. |

**14.2. Participate in a campaign**

|  |  |
| --- | --- |
| **Use Case ID:** | M12-UC2 |
| **Use Case Name:** | Participate in a campaign |
| **Actors:** | Donor |
| **Description:** | Donors can participate in campaigns that do not require donation, but they want active participants. They will be considered volunteers for the campaign. |
| **Trigger:** | Click on participate. |
| **Preconditions:** | PRE-1: Donors shall have a browser and internet to visit our application.  PRE-2: Donors shall press on the participation button. |
| **Postconditions:** | Donors shall get an email notifying them that they are now a participant in the campaign. |
| **Normal Flow:** | 1. click on the participate button 2. see the details form 3. click on confirm button |
| **Alternative Flows:** | None |
| **Exceptions:** | None. |
| **Business Rules** | Donors must be logged in to participate in the campaign. |
| **Assumptions:** | Donors are now participants in campaign. |

**12.3. Adopt a child**

|  |  |
| --- | --- |
| **Use Case ID:** | M12-UC3 |
| **Use Case Name:** | Adopt a child |
| **Actors:** | Donors |
| **Description:** | Donors shall be able to adopt a child category and navigate through the list of children that are orphans and are looking for parents. Donors shall click on the child they want to adopt. They shall even filter categories and when they select a child, they shall be able to book a meeting with our organization. |
| **Trigger:** | Clicking on the adopt button. |
| **Preconditions:** | PRE-1: Donors shall have a browser and internet to visit our application.  PRE-2: Donors shall be logged into the website.  PRE-3: Donors shall go to adopt a child category.  PRE-4: Donors shall press the select button |
| **Postconditions:** | Donors are able to book a meeting with our organization. |
| **Normal Flow:** | 1. Donor’s log into the website. 2. Donors go to adopt a child category. 3. Donors press the select button 4. Donor books a meeting. |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | The donor shall be logged in and book a meeting before adopting a child. |
| **Assumptions:** | Donor booked a meeting and went to the organization and adopt the child. |

**10.4. Fund a child**

|  |  |
| --- | --- |
| **Use Case ID:** | M12-UC4 |
| **Use Case Name:** | Fund a child |
| **Actors:** | Donor |
| **Description:** | Donors shall be able to view children that need funding. They shall be able to fund the child however they want. These are the children who needs necessities like education, clothes and food. Donors shall be able to select through pay for food, education or clothes. The organization shall spend their funding according to the cause they donated for. |
| **Trigger:** | Donors have successfully funded the children. |
| **Preconditions:** | PRE-1: Donors shall have a browser and internet to visit our application.  PRE-2: Donors shall be logged in to the application.  PRE-3: Donors shall go to fund a child  PRE-4: Donors shall select how they want to fund. |
| **Postconditions:** | Donors have successfully funded. |
| **Normal Flow:** | 1. Donors shall go fund a child category 2. Select the child they want to fund. 3. Select how they want to fund. |
| **Alternative Flows:** | None |
| **Exceptions:** | None |
| **Business Rules** | Donors must provide full details and method how they want to pay. How much they want to pay for the funding of the child |
| **Assumptions:** | Donors have successfully funded for a child |

# 4. Functional Requirements

## Table 1: Description of FR-1

|  |  |
| --- | --- |
| **Identifier** | FR-1 |
| **Title** | First name |
| **Requirement** | The user should be able for enter his name to create his account |
| **Source** | Team member 1 |
| **Rationale** | User will be able to create his account |
| **Restrictions and Risks** | This field should be filled |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 2: Description of FR-2

|  |  |
| --- | --- |
| **Identifier** | FR-2 |
| **Title** | Last name field |
| **Requirement** | The user should be able to enter his last name to create an account. |
| **Source** | Team member 1 |
| **Rationale** | User will be able to create his account |
| **Restrictions and Risks** | This field should be filled |
| **Dependencies** | FR-1 |
| **Priority** | Medium |

## Table 3: Description of FR-3

|  |  |
| --- | --- |
| **Identifier** | FR-3 |
| **Title** | Email field |
| **Requirement** | The user shall be able to enter his email. |
| **Source** | Team member 1 |
| **Rationale** | User will be able to create his account |
| **Restrictions and Risks** | This field should be filled |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 4: Description of FR-4

|  |  |
| --- | --- |
| **Identifier** | FR-4 |
| **Title** | Password field |
| **Requirement** | The user shall be able to enter his password |
| **Source** | Team member 1 |
| **Rationale** | User will be able to create his account |
| **Restrictions and Risks** | This field should be filled |
| **Dependencies** | FR-3 |
| **Priority** | High |

## Table 5: Description of FR-5

|  |  |
| --- | --- |
| **Identifier** | FR-5 |
| **Title** | Signup button |
| **Requirement** | The user shall be able press this button to signup |
| **Source** | Team member 1 |
| **Rationale** | User will be able to create his account |
| **Restrictions and Risks** | This button should be pressed to sign up. |
| **Dependencies** | FR-3 |
| **Priority** | High |

## Table 6: Description of FR-6

|  |  |
| --- | --- |
| **Identifier** | FR-6 |
| **Title** | Email field |
| **Requirement** | The user shall be able enter his email in this field. |
| **Source** | Team member 1 |
| **Rationale** | User will be able to Login into his account |
| **Restrictions and Risks** | This field should be filled |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 7: Description of FR-7

|  |  |
| --- | --- |
| **Identifier** | FR-7 |
| **Title** | Password field |
| **Requirement** | The user shall be able enter his password |
| **Source** | Team member 1 |
| **Rationale** | Users will be able to Login into the account. |
| **Restrictions and Risks** | This field should be filled |
| **Dependencies** | FR-6 |
| **Priority** | High |

## Table 8: Description of FR-8

|  |  |
| --- | --- |
| **Identifier** | FR-8 |
| **Title** | Remember me |
| **Requirement** | The user shall be able press this button to stay logged in. |
| **Source** | Team member 1 |
| **Rationale** | User will be able stay logged in even if he closes the browser |
| **Restrictions and Risks** | N/A |
| **Dependencies** | FR-1, FR-2 |
| **Priority** | High |

## Table 9: Description of FR-9

|  |  |
| --- | --- |
| **Identifier** | FR-9 |
| **Title** | Login button |
| **Requirement** | This button should be pressed to login. |
| **Source** | Team member 1 |
| **Rationale** | User will be able stay logged in even if he closes the browser |
| **Restrictions and Risks** | N/A |
| **Dependencies** | 1.2.1,1.2.2 |
| **Priority** | High |

## Table 10: Description of FR-10

|  |  |
| --- | --- |
| **Identifier** | FR-10 |
| **Title** | Email verification button |
| **Requirement** | When user receives an email confirmation message. The user shall be able to verify his email through this button. |
| **Source** | Team member 1 |
| **Rationale** | User will be able to verify his email |
| **Restrictions and Risks** | This button shall be pressed to verify the email |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 11: Description of FR-11

|  |  |
| --- | --- |
| **Identifier** | FR-11 |
| **Title** | Logout button |
| **Requirement** | When user presses this button, he shall be logged out of the application. |
| **Source** | Team member 1 |
| **Rationale** | User shall be logged out of the application. |
| **Restrictions and Risks** | This button shall be pressed to Logout |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 12: Description of FR-12

|  |  |
| --- | --- |
| **Identifier** | FR-12 |
| **Title** | Email field |
| **Requirement** | Admin shall enter the email of the user he wants to delete. |
| **Source** | Team member 1 |
| **Rationale** | Admin will be able to delete the user. |
| **Restrictions and Risks** | This field should be filled |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 13: Description of FR-13

|  |  |
| --- | --- |
| **Identifier** | FR-13 |
| **Title** | ID field |
| **Requirement** | Admin shall enter the ID of the user he wants to delete. |
| **Source** | Team member 1 |
| **Rationale** | Admin will be able to delete the user. |
| **Restrictions and Risks** | This field should be filled |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 14: Description of FR-14

|  |  |
| --- | --- |
| **Identifier** | FR-14 |
| **Title** | Delete button |
| **Requirement** | When admin presses this button, the user shall be deleted from the application. |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to delete the user from the application. |
| **Restrictions and Risks** | This button shall be pressed to Logout |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 15: Description of FR-15

|  |  |
| --- | --- |
| **Identifier** | FR-15 |
| **Title** | Forgot password button |
| **Requirement** | User shall be able to go to the password recovery form |
| **Source** | Team member 1 |
| **Rationale** | User shall be able to recover his password. |
| **Restrictions and Risks** | This button should be pressed to recover the field. |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 16: Description of FR-16

|  |  |
| --- | --- |
| **Identifier** | FR-16 |
| **Title** | Email field |
| **Requirement** | User shall enter his email to get the recovery the email. |
| **Source** | Team member 1 |
| **Rationale** | User shall be able to recover his password |
| **Restrictions and Risks** | This field should be filled |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 17: Description of FR-17

|  |  |
| --- | --- |
| **Identifier** | FR-17 |
| **Title** | Reset button |
| **Requirement** | User will be able to press this button that he receives in his email to recover his password. |
| **Source** | Team member 1 |
| **Rationale** | User shall be able to recover his password |
| **Restrictions and Risks** | This button shall be pressed to recover password |
| **Dependencies** | FR-16, FR-15 |
| **Priority** | High |

## Table 18: Description of FR-18

|  |  |
| --- | --- |
| **Identifier** | FR-18 |
| **Title** | New password field |
| **Requirement** | User will be able enter his new email |
| **Source** | Team member 1 |
| **Rationale** | User shall be able to recover his password |
| **Restrictions and Risks** | This Field shall be filled in order to recover password |
| **Dependencies** | FR-17 |
| **Priority** | High |

## Table 19: Description of FR-19

|  |  |
| --- | --- |
| **Identifier** | FR-19 |
| **Title** | Confirm password field |
| **Requirement** | User will be able confirm his new password |
| **Source** | Team member 1 |
| **Rationale** | User shall be able to recover his password |
| **Restrictions and Risks** | This Field shall be filled to recover password |
| **Dependencies** | FR-18, FR-17, FR-16, FR-15 |
| **Priority** | High |

## Table 20: Description of FR-20

|  |  |
| --- | --- |
| **Identifier** | FR-20 |
| **Title** | Confirm button |
| **Requirement** | User will be able recover his password |
| **Source** | Team member 1 |
| **Rationale** | User shall be able to recover his password |
| **Restrictions and Risks** | This button shall be pressed to recover the password |
| **Dependencies** | FR-19, FR-18 |
| **Priority** | High |

## Table 21: Description of FR-21

|  |  |
| --- | --- |
| **Identifier** | FR-21 |
| **Title** | Change password button |
| **Requirement** | User will be able to open change password form. |
| **Source** | Team member 1 |
| **Rationale** | User shall be able to change his password |
| **Restrictions and Risks** | This button should be pressed to change password |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 22: Description of FR-22

|  |  |
| --- | --- |
| **Identifier** | FR-22 |
| **Title** | Old password field |
| **Requirement** | User should be able to enter his old password |
| **Source** | Team member 1 |
| **Rationale** | User should be able to change his password |
| **Restrictions and Risks** | This Field shall be filled to change password |
| **Dependencies** | 1.6.1 |
| **Priority** | High |

## Table 23: Description of FR-23

|  |  |
| --- | --- |
| **Identifier** | FR-23 |
| **Title** | New password field |
| **Requirement** | User should be able to enter his new password |
| **Source** | Team member 1 |
| **Rationale** | User should be able to change his password |
| **Restrictions and Risks** | This Field shall be filled to change password |
| **Dependencies** | FR-22 |
| **Priority** | High |

## Table 24: Description of FR-24

|  |  |
| --- | --- |
| **Identifier** | FR-24 |
| **Title** | Confirm button |
| **Requirement** | User will be able change his password |
| **Source** | Team member 1 |
| **Rationale** | User shall be able to change his password |
| **Restrictions and Risks** | This button shall be pressed to change the password |
| **Dependencies** | FR-22, FR-23 |
| **Priority** | High |

## Table 25: Description of FR-25

|  |  |
| --- | --- |
| **Identifier** | FR-25 |
| **Title** | Email of admin |
| **Requirement** | Admin shall be able to enter his email to login |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to login into the application |
| **Restrictions and Risks** | This field is required to login |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 26: Description of FR-26

|  |  |
| --- | --- |
| **Identifier** | FR-26 |
| **Title** | Enter password |
| **Requirement** | Admin shall be able to enter his password when he login into the application |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to login |
| **Restrictions and Risks** | This field is required to login |
| **Dependencies** | FR-25 |
| **Priority** | High |

## Table 27: Description of FR-27

|  |  |
| --- | --- |
| **Identifier** | FR-27 |
| **Title** | Login button |
| **Requirement** | Admin shall be able to login into the application when presses this button. |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to login |
| **Restrictions and Risks** | This button is required in order to login |
| **Dependencies** | FR-25, FR-26 |
| **Priority** | High |

## Table 28: Description of FR-28

|  |  |
| --- | --- |
| **Identifier** | FR-28 |
| **Title** | Logout button |
| **Requirement** | Admin shall be able to Logout from the application |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to logout |
| **Restrictions and Risks** | This field is required to Logout |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 29: Description of FR-29

|  |  |
| --- | --- |
| **Identifier** | FR-29 |
| **Title** | Latest news button |
| **Requirement** | User shall be able to click on latest news button and should be able to navigate to latest news page |
| **Source** | Team member 1 |
| **Rationale** | Users shall be able to see latest news about our organization |
| **Restrictions and Risks** | This button is required to view latest news |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 30: Description of FR-30

|  |  |
| --- | --- |
| **Identifier** | FR-30 |
| **Title** | Campaigns button |
| **Requirement** | User shall be able to click on the campaign button and view ongoing campaigns |
| **Source** | Team member 2 |
| **Rationale** | Users shall be able to see on going campaigns |
| **Restrictions and Risks** | This button is required to view the ongoing campaigns |
| **Dependencies** | FR-29 |
| **Priority** | High |

## Table 31: Description of FR-31

|  |  |
| --- | --- |
| **Identifier** | FR-31 |
| **Title** | Latest donor button |
| **Requirement** | Users shall be able to view latest donors on our website by clicking latest donors’ button which is placed on the latest news page. |
| **Source** | Team member 2 |
| **Rationale** | Users shall be able to view latest donors of our organization |
| **Restrictions and Risks** | This button is required to view our latest donors |
| **Dependencies** | FR-29 |
| **Priority** | High |

## Table 32: Description of FR-32

|  |  |
| --- | --- |
| **Identifier** | FR-32 |
| **Title** | Ongoing projects |
| **Requirement** | Users shall be able to view ongoing projects on our website by clicking Ongoing projects button which is placed on the latest news page. |
| **Source** | Team member 2 |
| **Rationale** | Users shall be able to view ongoing projects of our organization |
| **Restrictions and Risks** | This button is required to view our Ongoing projects |
| **Dependencies** | FR-29 |
| **Priority** | High |

## Table 33: Description of FR-33

|  |  |
| --- | --- |
| **Identifier** | FR-33 |
| **Title** | Donations needed |
| **Requirement** | Users shall be able to view how much donations are needed for our campaign on our website by clicking Donations needed button which is placed on the latest news page. |
| **Source** | Team member 2 |
| **Rationale** | Users shall be able to view donations needed for campaigns of our organization |
| **Restrictions and Risks** | This button is required in order to view our donations needed for our campaigns |
| **Dependencies** | FR-29 |
| **Priority** | High |

## Table 34: Description of FR-34

|  |  |
| --- | --- |
| **Identifier** | FR-34 |
| **Title** | News setting |
| **Requirement** | Admin shall click on this button to open news setting page |
| **Source** | Team member 3 |
| **Rationale** | Admin shall be able to open the news settings page |
| **Restrictions and Risks** | This admin cannot view news settings without clicking this button |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 35: Description of FR-35

|  |  |
| --- | --- |
| **Identifier** | FR-35 |
| **Title** | Click news |
| **Requirement** | Admin shall be able to click the news to make changes in it |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to view the news and make changes to it |
| **Restrictions and Risks** | N/A |
| **Dependencies** | FR-34 |
| **Priority** | High |

## Table 36: Description of FR-36

|  |  |
| --- | --- |
| **Identifier** | FR-36 |
| **Title** | Delete news |
| **Requirement** | Admin shall be able to delete the news with this button |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to delete the news |
| **Restrictions and Risks** | News can only be deleted after pressing this button. |
| **Dependencies** | FR-35 |
| **Priority** | High |

## Table 37: Description of FR-37

|  |  |
| --- | --- |
| **Identifier** | FR-37 |
| **Title** | Add news |
| **Requirement** | Admin shall be able to add news after pressing this button |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to add news |
| **Restrictions and Risks** | This button is required to add news |
| **Dependencies** | FR-34 |
| **Priority** | High |

## Table 38: Description of FR-38

|  |  |
| --- | --- |
| **Identifier** | FR-38 |
| **Title** | News title |
| **Requirement** | Admin shall be able to enter news title with this field |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to add title |
| **Restrictions and Risks** | This field is required to add news |
| **Dependencies** | FR-37 |
| **Priority** | High |

## Table 39: Description of FR-39

|  |  |
| --- | --- |
| **Identifier** | FR-39 |
| **Title** | News description |
| **Requirement** | Admin shall be able to enter news description. |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to add description |
| **Restrictions and Risks** | This field is required to add news |
| **Dependencies** | FR-37 |
| **Priority** | High |

## Table 40: Description of FR-40

|  |  |
| --- | --- |
| **Identifier** | FR-40 |
| **Title** | Upload media |
| **Requirement** | Admin shall be able to upload media with this field. He shall be able to upload pictures or videos through this field |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to upload media |
| **Restrictions and Risks** | This field is required to add news |
| **Dependencies** | FR-37 |
| **Priority** | High |

## Table 41: Description of FR-41

|  |  |
| --- | --- |
| **Identifier** | FR-40 |
| **Title** | Update news |
| **Requirement** | Admin shall be able to update news with this field. He shall be able to make changes in title, description, and media |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to update news |
| **Restrictions and Risks** | This button is required to update news. |
| **Dependencies** | FR-35, FR-40, FR-39, FR-38 |
| **Priority** | High |

## Table 42: Description of FR-42

|  |  |
| --- | --- |
| **Identifier** | FR-42 |
| **Title** | Click chatbot |
| **Requirement** | Users shall be able to click on the chatbot for a chat box to open. |
| **Source** | Team member 1 |
| **Rationale** | Users shall be able to open a chat box |
| **Restrictions and Risks** | This button is required to open the chat box |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 43: Description of FR-43

|  |  |
| --- | --- |
| **Identifier** | FR-43 |
| **Title** | Chat for loan |
| **Requirement** | Users shall press this button to start a chat related to taking loan |
| **Source** | Team member 1 |
| **Rationale** | User shall be able to chat for loan |
| **Restrictions and Risks** | This button needs to be pressed to start a conversation for loan |
| **Dependencies** | FR-42 |
| **Priority** | High |

## Table 44: Description of FR-44

|  |  |
| --- | --- |
| **Identifier** | FR-44 |
| **Title** | Message type field |
| **Requirement** | Users shall be able to type his messages in this field |
| **Source** | Team member 1 |
| **Rationale** | Users shall be able to chat with organization |
| **Restrictions and Risks** | This field is required in order to type message |
| **Dependencies** | FR-42 |
| **Priority** | High |

## Table 45: Description of FR-45

|  |  |
| --- | --- |
| **Identifier** | FR-45 |
| **Title** | Send button |
| **Requirement** | Users shall be able to send his messages by clicking this button |
| **Source** | Team member 1 |
| **Rationale** | Users shall be able to send their messages |
| **Restrictions and Risks** | This button is required to send texts. |
| **Dependencies** | FR-44, FR-41 |
| **Priority** | High |

## Table 46: Description of FR-46

|  |  |
| --- | --- |
| **Identifier** | FR-46 |
| **Title** | Notification icon |
| **Requirement** | Admin shall be able to see the notifications pop up and see the incoming texts or another. |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to see the notifications. |
| **Restrictions and Risks** | This is how admin will be notified about incoming texts |
| **Dependencies** | N/A |
| **Priority** | medium |

## Table 47: Description of FR-47

|  |  |
| --- | --- |
| **Identifier** | FR-47 |
| **Title** | Message reply field |
| **Requirement** | Admin shall be able to type his messages in this field |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to chat with organization |
| **Restrictions and Risks** | This field is required to type message |
| **Dependencies** | FR-42 |
| **Priority** | High |

## Table 48: Description of FR-48

|  |  |
| --- | --- |
| **Identifier** | FR-48 |
| **Title** | Beneficiary button |
| **Requirement** | Admin shall be able to click this category in order view beneficiary data |
| **Source** | Team member 2 |
| **Rationale** | Admin shall be able to view the beneficiary table |
| **Restrictions and Risks** | This button shall be clicked to view beneficiary data. |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 49: Description of FR-49

|  |  |
| --- | --- |
| **Identifier** | FR-49 |
| **Title** | Search beneficiary |
| **Requirement** | Admin shall be able to search beneficiaries by typing there id here |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to view the searched beneficiary |
| **Restrictions and Risks** | This field needs to be filled to search beneficiary |
| **Dependencies** | FR-49 |
| **Priority** | High |

## Table 50: Description of FR-50

|  |  |
| --- | --- |
| **Identifier** | FR-50 |
| **Title** | Search button |
| **Requirement** | Admin shall be able to search the user after clicking on this button. |
| **Source** | Team member 1 |
| **Rationale** | Admin is able to view the searched beneficiary. |
| **Restrictions and Risks** | This button needs to be pressed to search the beneficiary |
| **Dependencies** | FR-49, FR-48 |
| **Priority** | High |

## Table 51: Description of FR-51

|  |  |
| --- | --- |
| **Identifier** | FR-51 |
| **Title** | Select beneficiary |
| **Requirement** | Admin shall click on the beneficiary and is able to select them to give them loan |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to upload media |
| **Restrictions and Risks** | This field is required to add news |
| **Dependencies** | FR-37 |
| **Priority** | High |

## Table 52: Description of FR-52

|  |  |
| --- | --- |
| **Identifier** | FR-52 |
| **Title** | enter loan amount |
| **Requirement** | Admin shall enter the amount of loan he wants to give to the beneficiary |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to enter amount of loan |
| **Restrictions and Risks** | This field is required to make send loan |
| **Dependencies** | FR-51 |
| **Priority** | High |

## Table 53: Description of FR-53

|  |  |
| --- | --- |
| **Identifier** | FR-53 |
| **Title** | Send loan |
| **Requirement** | Admin shall press this button to send loan to the beneficiary |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to give loan to beneficiary |
| **Restrictions and Risks** | This field is required to make donations |
| **Dependencies** | FR-51, FR-52 |
| **Priority** | High |

## Table 54: Description of FR-54

|  |  |
| --- | --- |
| **Identifier** | FR-54 |
| **Title** | Remove loan |
| **Requirement** | Admin shall click on this button in order view beneficiaries whose loans he wants to remove |
| **Source** | Team member 1 |
| **Rationale** | Admin shall press this button to remove loan of the beneficiary |
| **Restrictions and Risks** | Loans cannot be removed without clicking on this button |
| **Dependencies** | FR-51 |
| **Priority** | This field is required to remove loan |

## Table 55: Description of FR-55

|  |  |
| --- | --- |
| **Identifier** | FR-55 |
| **Title** | Update loan |
| **Requirement** | Admin shall press this button to update loan data of the beneficiary |
| **Source** | Team member 1 |
| **Rationale** | Admin is able update loan data of beneficiary |
| **Restrictions and Risks** | This button is required in be presses to update loan |
| **Dependencies** | FR-51, FR-52 |
| **Priority** | High |

## Table 56: Description of FR-56

|  |  |
| --- | --- |
| **Identifier** | FR-56 |
| **Title** | Request loan |
| **Requirement** | Beneficiary shall be able to press this button to open request loan form |
| **Source** | Team member 2 |
| **Rationale** | Beneficiary shall be able to make loan request |
| **Restrictions and Risks** | This field is required to make requests for loans. |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 57: Description of FR-57

|  |  |
| --- | --- |
| **Identifier** | FR-57 |
| **Title** | Loan Description field |
| **Requirement** | Beneficiary shall enter the description that why he wants the loan and the amount of loan he needs |
| **Source** | Team member 2 |
| **Rationale** | Beneficiary shall be able to give description of amount of loan that he needs |
| **Restrictions and Risks** | This field is must otherwise a loan will not be requested. |
| **Dependencies** | FR-56 |
| **Priority** | High |

## Table 58: Description of FR-58

|  |  |
| --- | --- |
| **Identifier** | FR-58 |
| **Title** | submit request |
| **Requirement** | Beneficiary shall press this button to submit his request |
| **Source** | Team member 2 |
| **Rationale** | Beneficiary shall be able to submit a request. |
| **Restrictions and Risks** | N/A |
| **Dependencies** | FR-57 |
| **Priority** | This field is required to remove loan |

## Table 59: Description of FR-59

|  |  |
| --- | --- |
| **Identifier** | FR-59 |
| **Title** | Return loan |
| **Requirement** | Beneficiary shall press this button view the form of return loan |
| **Source** | Team member 2 |
| **Rationale** | Beneficiary shall be able to view return loan form |
| **Restrictions and Risks** | This button is required in be presses to view loan form |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 60: Description of FR-60

|  |  |
| --- | --- |
| **Identifier** | FR-60 |
| **Title** | Enter amount |
| **Requirement** | Beneficiary shall enter the amount of loan that he wants to return |
| **Source** | Team member 2 |
| **Rationale** | Beneficiary shall be able to enter the amount of loan that he is going to return |
| **Restrictions and Risks** | Loans cannot be returned if this field is empty |
| **Dependencies** | FR-59 |
| **Priority** | High |

## Table 61: Description of FR-61

|  |  |
| --- | --- |
| **Identifier** | FR-61 |
| **Title** | Credit card number |
| **Requirement** | Beneficiary shall be able to enter his credit card number |
| **Source** | Team member 2 |
| **Rationale** | Beneficiary shall be able to enter credit card number |
| **Restrictions and Risks** | This field is must to return loan |
| **Dependencies** | FR-59 |
| **Priority** | High |

## Table 62: Description of FR-62

|  |  |
| --- | --- |
| **Identifier** | FR-62 |
| **Title** | Confirm button |
| **Requirement** | Beneficiary shall click on this button in order return the loan |
| **Source** | Team member 2 |
| **Rationale** | Beneficiary is able to return the loan |
| **Restrictions and Risks** | Loan cannot be returned without clicking on this button |
| **Dependencies** | FR-59 |
| **Priority** | High |

## Table 63: Description of FR-63

|  |  |
| --- | --- |
| **Identifier** | FR-63 |
| **Title** | View debt |
| **Requirement** | Beneficiary shall be able to see his debt by clicking on the organization |
| **Source** | Team member 1 |
| **Rationale** | Beneficiary can view his loan information and the debt he has to pay. |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | Medium |

## Table 64: Description of FR-64

|  |  |
| --- | --- |
| **Identifier** | FR-64 |
| **Title** | Request for campaign |
| **Requirement** | Beneficiaries shall be able to request a campaign. |
| **Source** | Team member 1 |
| **Rationale** | Beneficiary shall be to request a campaign |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 65: Description of FR-65

|  |  |
| --- | --- |
| **Identifier** | FR-65 |
| **Title** | Campaign name |
| **Requirement** | Beneficiary shall be able to add the name of the campaign. |
| **Source** | Team member 1 |
| **Rationale** | Beneficiaries shall be able to enter the name of the campaign. |
| **Restrictions and Risks** | N/A |
| **Dependencies** | FR-64 |
| **Priority** | High |

## Table 66: Description of FR-66

|  |  |
| --- | --- |
| **Identifier** | FR-66 |
| **Title** | Campaign description |
| **Requirement** | Beneficiary shall be able to enter the description of campaign |
| **Source** | Team member 2 |
| **Rationale** | Beneficiary is fill request campaign form |
| **Restrictions and Risks** | N/A |
| **Dependencies** | FR-64 |
| **Priority** | High |

## Table 67: Description of FR-67

|  |  |
| --- | --- |
| **Identifier** | FR-67 |
| **Title** | Confirm button |
| **Requirement** | Beneficiaries shall click on this button to request a loan. |
| **Source** | Team member 2 |
| **Rationale** | Beneficiary shall be able to request for a loan. |
| **Restrictions and Risks** | This button must be pressed to make a request. |
| **Dependencies** | FR-64 |
| **Priority** | High |

## Table 68: Description of FR-68

|  |  |
| --- | --- |
| **Identifier** | FR-68 |
| **Title** | Click on campaign |
| **Requirement** | Users can click on the campaign to view the amount donated. |
| **Source** | Team member 1 |
| **Rationale** | Users can view the amount donated. |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | Medium |

## Table 69: Description of FR-69

|  |  |
| --- | --- |
| **Identifier** | FR-69 |
| **Title** | Donate to campaign |
| **Requirement** | Donors shall be able to view campaign donation forms after clicking donate to campaign button. |
| **Source** | Team member 1 |
| **Rationale** | Donors can view campaign donation form |
| **Restrictions and Risks** | This button must be pressed to donate to a campaign. |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 70: Description of FR-70

|  |  |
| --- | --- |
| **Identifier** | FR-70 |
| **Title** | Enter amount |
| **Requirement** | Donors shall enter the amount of loan that he wants to donate |
| **Source** | Team member 2 |
| **Rationale** | Donor shall be able to enter the amount of loan that he is going to donate |
| **Restrictions and Risks** | Loans cannot be donated if this field is empty |
| **Dependencies** | FR-69 |
| **Priority** | High |

## Table 71: Description of FR-71

|  |  |
| --- | --- |
| **Identifier** | FR-71 |
| **Title** | Credit card number |
| **Requirement** | Donor shall be able to enter his credit card number |
| **Source** | Team member 2 |
| **Rationale** | Donor shall be able to enter credit card number |
| **Restrictions and Risks** | This field is a must to send donations. |
| **Dependencies** | FR-69 |
| **Priority** | High |

## Table 72: Description of FR-72

|  |  |
| --- | --- |
| **Identifier** | FR-72 |
| **Title** | Confirm button |
| **Requirement** | Donors shall click on this button to donate to campaign |
| **Source** | Team member 2 |
| **Rationale** | Donor shall be able to donate for a campaign |
| **Restrictions and Risks** | This button must be pressed to donate. |
| **Dependencies** | FR-69, FR-71, FR70 |
| **Priority** | High |

## Table 73: Description of FR-73

|  |  |
| --- | --- |
| **Identifier** | FR-73 |
| **Title** | Next campaign |
| **Requirement** | users shall be able to view the next campaign |
| **Source** | Team member 2 |
| **Rationale** | User can view the next campaign |
| **Restrictions and Risks** | N/A |
| **Dependencies** | FR-68 |
| **Priority** | medium |

## Table 74: Description of FR-74

|  |  |
| --- | --- |
| **Identifier** | FR-74 |
| **Title** | Previous campaign button |
| **Requirement** | users shall be able to view the previous campaign |
| **Source** | Team member 2 |
| **Rationale** | User can view the previous campaign |
| **Restrictions and Risks** | N/A |
| **Dependencies** | FR-68 |
| **Priority** | medium |

## Table 75: Description of FR-75

|  |  |
| --- | --- |
| **Identifier** | FR-75 |
| **Title** | notification setting category |
| **Requirement** | Admin shall go to the notification setting page by clicking on this button |
| **Source** | Team member 2 |
| **Rationale** | Admin can view notification setting page |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | medium |

## Table 76: Description of FR-76

|  |  |
| --- | --- |
| **Identifier** | FR-76 |
| **Title** | Delete donors’ notification |
| **Requirement** | Admin shall be able to delete old donors’ notification by clicking this button that is against the specific notification. |
| **Source** | Team member 2 |
| **Rationale** | Admin shall be able to delete that notification. |
| **Restrictions and Risks** | N/A |
| **Dependencies** | FR-74 |
| **Priority** | High |

## Table 77: Description of FR-77

|  |  |
| --- | --- |
| **Identifier** | FR-77 |
| **Title** | Add donors’ notification |
| **Requirement** | Admin shall be able to view and add new donors form by clicking this button. |
| **Source** | Team member 2 |
| **Rationale** | Admin shall be able to view new donors form |
| **Restrictions and Risks** | N/A |
| **Dependencies** | FR-74 |
| **Priority** | High |

## Table 78: Description of FR-78

|  |  |
| --- | --- |
| **Identifier** | FR-78 |
| **Title** | Enter donor name |
| **Requirement** | Admin shall enter the id of the donor |
| **Source** | Team member 2 |
| **Rationale** | Admin shall be able to add new notification of our latest donors |
| **Restrictions and Risks** | Donor does not exist in our database |
| **Dependencies** | FR-74, FR-76 |
| **Priority** | High |

## Table 79: Description of FR-79

|  |  |
| --- | --- |
| **Identifier** | FR-79 |
| **Title** | confirm button |
| **Requirement** | Admin shall be able to add this to our new notifications. |
| **Source** | Team member 2 |
| **Rationale** | This notification shall now be displayed |
| **Restrictions and Risks** | This button needs to be pressed to add this to notifications. |
| **Dependencies** | FR-77, FR-76, FR-74 |
| **Priority** | High |

## Table 80: Description of FR-80

|  |  |
| --- | --- |
| **Identifier** | FR-80 |
| **Title** | Generate receipts |
| **Requirement** | System shall be able to generate receipts when a donor has donated to organization and payment is verified |
| **Source** | Team member 2 |
| **Rationale** | Receipt is generated when donor donates |
| **Restrictions and Risks** | Payment was not verified. |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 81: Description of FR-81

|  |  |
| --- | --- |
| **Identifier** | FR-81 |
| **Title** | Update donations |
| **Requirement** | System shall be able to update the donations when a donor has donated to a campaign. |
| **Source** | Team member 2 |
| **Rationale** | System has updated database according to the donations made |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 82: Description of FR-82

|  |  |
| --- | --- |
| **Identifier** | FR-82 |
| **Title** | Donation category |
| **Requirement** | Donors shall be able to click this button to see the donation categories page |
| **Source** | Team member 2 |
| **Rationale** | Donors shall be able to enter the donations category page |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 83: Description of FR-83

|  |  |
| --- | --- |
| **Identifier** | FR-83 |
| **Title** | General donations |
| **Requirement** | Donors shall select this category to donate to the organizations generally |
| **Source** | Team member 2 |
| **Rationale** | Donors shall be able to generally donate to the organization |
| **Restrictions and Risks** | Payment was not verified |
| **Dependencies** | FR-80 |
| **Priority** | medium |

## Table 84: Description of FR-84

|  |  |
| --- | --- |
| **Identifier** | FR-84 |
| **Title** | View picture gallery |
| **Requirement** | Users shall click this button to view our picture gallery |
| **Source** | Team member 1 |
| **Rationale** | Users shall be able to view our picture gallery |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | medium |

## Table 85: Description of FR-85

|  |  |
| --- | --- |
| **Identifier** | FR-85 |
| **Title** | Add a YouTube video |
| **Requirement** | Admin shall be able to view add YouTube video from after clicking this button |
| **Source** | Team member 2 |
| **Rationale** | Admin shall be able to fill the form of add YouTube video. |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 86: Description of FR-86

|  |  |
| --- | --- |
| **Identifier** | FR-86 |
| **Title** | Enter URL of video |
| **Requirement** | Admin shall be able to paste the YouTube video URL |
| **Source** | Team member 2 |
| **Rationale** | Admin shall be able to upload video on our website |
| **Restrictions and Risks** | URL is not working |
| **Dependencies** | FR-83 |
| **Priority** | High |

## Table 87: Description of FR-87

|  |  |
| --- | --- |
| **Identifier** | FR-87 |
| **Title** | Upload video button |
| **Requirement** | Admin shall be able to upload video by pressing this button |
| **Source** | Team member 2 |
| **Rationale** | Video is uploaded on our page |
| **Restrictions and Risks** | N/A |
| **Dependencies** | FR-84, FR-83 |
| **Priority** | High |

## Table 88: Description of FR-88

|  |  |
| --- | --- |
| **Identifier** | FR-88 |
| **Title** | Adopt a child |
| **Requirement** | Donors shall be able to view children available for adoption |
| **Source** | Team member 2 |
| **Rationale** | Donors shall be able to view children available for adoption |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 89: Description of FR-89

|  |  |
| --- | --- |
| **Identifier** | FR-89 |
| **Title** | Select a child |
| **Requirement** | Donors shall be able to click on child data and book a meeting |
| **Source** | Team member 2 |
| **Rationale** | Donor has selected time and booked a meeting with the organization |
| **Restrictions and Risks** | Meeting could not be scheduled |
| **Dependencies** | FR-86 |
| **Priority** | High |

## Table 90: Description of FR-90

|  |  |
| --- | --- |
| **Identifier** | FR-90 |
| **Title** | Enter time |
| **Requirement** | Donors shall be able to enter time at which they are going to visit the organization |
| **Source** | Team member 2 |
| **Rationale** | Donor has selected the date of meeting with organization |
| **Restrictions and Risks** | That time is occupied |
| **Dependencies** | FR-87 |
| **Priority** | High |

## Table 91: Description of FR-91

|  |  |
| --- | --- |
| **Identifier** | FR-91 |
| **Title** | Enter date |
| **Requirement** | Donors shall be able to enter date at which they are going to visit the organization |
| **Source** | Team member 2 |
| **Rationale** | Donor has selected the date of meeting with organization |
| **Restrictions and Risks** | That date is not available |
| **Dependencies** | FR-88 |
| **Priority** | High |

## Table 92: Description of FR-92

|  |  |
| --- | --- |
| **Identifier** | FR-92 |
| **Title** | fund a child |
| **Requirement** | Donors shall be able view fund a child form after clicking this button |
| **Source** | Team member 2 |
| **Rationale** | Donors shall be able to fund a child |
| **Restrictions and Risks** | N/A |
| **Dependencies** | FR-90 |
| **Priority** | High |

## Table 91: Description of FR-93

|  |  |
| --- | --- |
| **Identifier** | FR-93 |
| **Title** | Select type of fund |
| **Requirement** | This will be a drop down with 3 categories. Fund for education, Fund for clothes. |
| **Source** | Team member 2 |
| **Rationale** | Donor shall be able to select how he wants his donations to be used |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 94: Description of FR-94

|  |  |
| --- | --- |
| **Identifier** | FR-94 |
| **Title** | Enter amount to fund |
| **Requirement** | Donors shall be able to donate some funding. |
| **Source** | Team member 2 |
| **Rationale** | Donors shall be able to fund children. |
| **Restrictions and Risks** | N/A |
| **Dependencies** | FR-90 |
| **Priority** | High |

## Table 95: Description of FR-95

|  |  |
| --- | --- |
| **Identifier** | FR-95 |
| **Title** | Analytics |
| **Requirement** | Admin shall click on analytics button to see the latest changes made in the database |
| **Source** | Team member 2 |
| **Rationale** | Donors shall be able to view the latest records. |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 96: Description of FR-96

|  |  |
| --- | --- |
| **Identifier** | FR-96 |
| **Title** | Compare donations button |
| **Requirement** | Admin shall be able to compare donations of this month with previous month or any selected month |
| **Source** | Team member 2 |
| **Rationale** | Admins shall be able to compare donations of months. |
| **Restrictions and Risks** | Last month data is not recorded. |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 97: Description of FR-97

|  |  |
| --- | --- |
| **Identifier** | FR-97 |
| **Title** | Year revenue prediction |
| **Requirement** | Admin shall click on year revenue prediction button, and he will be able to see the prediction of year’s revenue |
| **Source** | Team member 1 |
| **Rationale** | Admin shall be able to see year revenue prediction. |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | Medium |

## Table 98: Description of FR-98

|  |  |
| --- | --- |
| **Identifier** | FR-98 |
| **Title** | Newsletter signup button |
| **Requirement** | User can click on this button to open signup form for our newsletter |
| **Source** | Team member 2 |
| **Rationale** | Users shall be able to see our newsletter signup form |
| **Restrictions and Risks** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 99: Description of FR-99

|  |  |
| --- | --- |
| **Identifier** | FR-99 |
| **Title** | Email |
| **Requirement** | Users can enter their email in this text field. After this they shall be added to our newsletter specials database from where we will send them emails |
| **Source** | Team member 2 |
| **Rationale** | Users shall be able to receive news about us via emails after filling the form. |
| **Restrictions and Risks** | FR-98 |
| **Dependencies** | N/A |
| **Priority** | High |

## Table 100: Description of FR-100

|  |  |
| --- | --- |
| **Identifier** | FR-100 |
| **Title** | Confirm button |
| **Requirement** | User can click on this button to signup for our newsletter emails |
| **Source** | Team member 2 |
| **Rationale** | Users shall be able to receive news about us via emails after filling the form. |
| **Restrictions and Risks** | FR-99, FR-98 |
| **Dependencies** | N/A |
| **Priority** | High |

# 5. Non-Functional Requirements

## Reliability

**RE-1:** Security

The system will protect the user’s sensitive information like passwords etc.

**RE-2:** Safety

The system will protect the user data if in case application crash

**RE-3:** Dependability

The system will be dependent on speed of the internet connection. Application speed may vary due to slow internet speed.

## Usability

**USE-1:** User Interface

The system’s design shall be user friendly. System shall be built according to the regular application design. Application UX design shall be easy to use, so the user shall not face issue in regular use.

**USE-2:** Purpose of feature

User shall understand the feature of the application with in 5-10 minutes of use. Features shall not be complicated for the user

**USE-3:** Notifications

User will be notified in the menu. Notification shall not interfere with the normal activities of the user.

**USE-4:** Navigation

The application shall have an easy navigation menu. User shall be able to access pages more quickly and in efficient manner

## Performance

**PER-1:** Response Time

The system shall not take longer than 4 seconds to respond to user request. Chat bot may have 1-2 seconds delay while transferring message.

**PER-2:** Availability

The system shall be up and available 24/7.

**PER-3:** SEO

The website shall be SEO optimized to attract traffic onto the website.

## Security

**SEC-1: Authentication**

The system shall authenticate users by ensuring that no one signs in with incorrect credentials. Spammers will not be able to access the system, as password reset links will be sent directly to user email.

**SEC-2: Authorization**

Access rights of the system are defined for the authenticated users and applications. Super Admin can block an Admin in case if it gets hack.

**SEC-3: Encryption**

User password on the application database shall be encrypted. Viewer at the database shall not be able to read the password as they shall be hashed.

# 6. External Interface Requirements

## User Interfaces Requirements

### 7.1.1 Font Size

* h1 (font-family: Merriweather, weight: 900, size: 50px, line-height: 78px)
* h2 (font-family: Merriweather, weight: 700, size: 36px, line-height: 56px)
* h3 (font-family: Nunito Sans, weight:700, size: 30px, line-height: 32px)
* h4 (font-family: Nunito Sans, weight:700, size: 26px, line-height: 30px)
* p (font-family: Nunito Sans, weight: 400, size: 18px, line-height: 30px)

### 7.1.2 Color Scheme

* Green (#81B344)
* Red (#B40606)
* Pink (#F3D9DC)
* Dark Green (#406B0E)

### 7.1.3 Buttons

* Width: 270px (Desktop) 200px (Tablet) 100px (mobile)
* Height: 65px (Desktop) 60px (Tablet) 40px (mobile)
* Border Radius: 16px (All sides)
* Padding: 20px (Top) 40px (Right) 20px (Bottom) 40px (Right)

## Software interfaces

System shall be able to work on any operating system including Android, Windows, Linux, IOS. System shall have latest browser installed. Supported browser by system are:

* Google Chrome
* Mozilla Firefox
* Microsoft Edge
* Opera
* Safari

## Hardware interfaces

System shall have following capabilities to run the application:

* Core i3 or above
* Minimum 4GB RAM

## Communications interfaces

The communication in the application depends on the use case of the system. Communication in the system will be handle through following functions:

1. Emails
2. Web browser
3. Electronic Forms
4. Real time live chat.

# 7. References

* <https://edhi.org/>
* <http://darulsukun.com/>
* <http://darulsukun.com/>
* <https://shaukatkhanum.org.pk/>