

Call Humanity- A Crowdfunding Web Application

BY

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This Report Presented in Partial Fulfillment of the Requirements for the Degree of
Bachelor of Science in Computer Science and Engineering.

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DAFFODIL INTERNATIONAL UNIVERSITY

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APPROVAL

This Project/internship titled “Call Humanity- A Crowdfunding Web Application”, submitted by Mahade Hassan Khan, ID No: 171-15-9243 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 06/12/2019.

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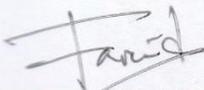
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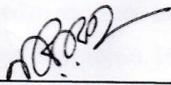
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DECLARATION

I hereby declare that; this project has been done by us under the supervision of Narayan Ranjan Chakraborty, Asst. Professor, Department of CSE Daffodil International University. I also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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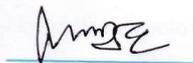
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ABSTRACT

Call Humanity is a crowdfunding system based on donor & recipient of collected fund, who received fund for his/her/them charity/education/startup/organization/medicine etc. Basically my project idea or goals Call Humanity is a social communication with trusted payment service platform to Unprivileged/Startup/Charity organization. Call humanity aims to create an easy, faster and trusted crowdfunding system between the donor and the recipient. Call humanity also verify recipient given information & reason for fundraising after that it will publish a website & also provide some opportunities that will help Donor and the fundraiser for meeting at physical place.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Call Humanity is a Crowdfunding Fundraising platform; it basically helps to raise money large number of amount through a community or channel from lots of individual people. A Person can post a request at Call Humanity for his/her or their projects, venture, business, charity etc. On the other hand, a donor can view all of active fundraising campaign at Call Humanity website. The Donor can donate any amount (10-1000000) to any campaign as per donor wish.

When a registered user posts a campaign request at Call Humanity, it will be pending at my system, admin will verify the document which are included with campaign then Admin will approve the fundraising campaign. It will be a trusted platform to everyone any donor can ask operation details or his/her/their donation details of Call Humanity.

My system will send an email to all registered donor about created campaign details & make awareness to reach more people. When an unprivileged person posts a campaign request at Call humanity, a team will cross check his/her/their data given is he/she or organization valid or not, after verifying campaign will publish by admin. There will be a donor database at back office and send them with a donation request. On the hand it will publish at social media. System will auto generate a link for sharing the campaign to another people. Interested donor will pay how much he/she want to donate on the campaign through Bkash, Rocket, Credit Card, Debit Card, Bank Transfer etc which are available at payment gateway.

1.2 Motivation

Last year, when I went to my village, I can know there was a girl got chance to admission at BUET but her father is a rickshawpuller & he haven't enough fund to provide his daughter education expense regularly. One of my friend got road accident last year, for recover he was need more than 10 lakhs taka and that cannot effort by his family. Some of my mutual friend take decision to collect funds through crowdfunding. lots of time when i walked in Dhanmondi Lake i can see there are some students collect fund for different types of event. I asked myself is the fund go through or expense at ridgeway properly. Then I got the Idea to develop a crowdfunding platform where any one can create a campaign for his/her/their need basis.

1.3 Objective

The main objective of this project is to build a platform more efficient from traditional fundraising system.

- Make trust to donor about his donation
- It will generate attraction social awareness and validation
- Reach large number of people.
- Collect more fund at shortest period
- Make a secure crowdfunding system
- To making a social community of large number of people.

1.4 Expected Outcome

Call Humanity can contribute at society at lot if can use properly. Important points are mentioned below

- At Bangladesh lots of charity organization will join to raise funding for their social work.
- lots of unprivileged student can create campaign for their education expense.
- It will be fast way to raise finance.
- Startup organization will find investor for their business.
- Anyone one can post any profitable & attractive idea to investor.
- It will be a good platform for to get people reaction about any business or service.
- It will be good alternative financial platform rather than bank loans.
- Investor can track their funding where they invest money.
- For Manage & maintain the operation of Call Humanity, System will take 5% commission of each transaction, So Call Humanity can be a profitable organization.

1.5 Report Layout

I am developing this web based crowdfunding application which name is “Call Crowed Funding”. I going to make sure that, the project will complete in time. Finally, it can happen, I completed my project report before deadline & I respect to my workflow which i design for my project report.

In 2nd chapter I will discuss about my project “Call Humanity” Background where include the Project Introduction, Project Related Works (similar project), Project Comparative Studies, Scope of the Problem with Challenges for implementation. In Chapter 3 named Requirement Specification i discuss about the Business Process Modeling, Requirement Collection and Analysis, Use Case Modeling and Descriptions, Logical Data Model, Design Requirements.

In chapter 4 named Design Specification I discuss about the Front-end Design, Back-end Design, UI Design and UX and Implementation Requirements. In chapter 5 named Implementation and Testing I discuss about the Implementation of Database, Implementation of Front-end Design, Testing Implementation, Test Results and Reports. In chapter 6 named Discussion and Conclusion i discuss about the Future Scope, Discussion and Conclusion of the whole project.

CHAPTER 2

BACKGROUND

2.1 Introduction

Let Example Mr. X got GPA 5 at SSC & HSC examination & got chance at Dhaka Medical College but his father is a daily labor, he hasn't enough fund to bear the cost of study and leaving expenses. He need fund for complete his MBBS Degree. So he need to find investor or sponsors for his expenses. It will too difficult to find sponsor list and go to their door to door. On the other hand, Mr. Y competed his graduation from Daffodil International University in CSE. He made a profitable & attractive business solution for run his startup to sell this solution he need fund, It is also impossible for him finding investor & go to their door to door.

Call Humanity a crowdfunding platform will be a social network to Investor/Donner & Recipient/Organization/Startup. A recipient can post a campaign request at Call Humanity with a proper description and documents and mention how much fund he/she/they have need with in how may days. They can share the campaign at their social networks. The Administration of Call Humanity will verify his/her/their documents is it valid or not. After verifying Admin will approve the campaign request and it will be publishing at Call Humanity website. If anyone get interest to donate any amount for any campaign then he/she can donate/investment 10 Taka to 100,0000 Taka at time with Bkash, Rocket, Credit Card, Debit Card, PayPal, Bank Transfer.

In Bangladesh there are lots of people wants to make donation for charity work but they have fear or tension for fraud activity. Call Humanity will publish only valid campaign who need actual fund. After few years then it will be normal to donate easily to anyone.

2.2 Related Works

In Bangladesh there haven't any renowned crowdfunding platform yet. At Globally there are huge application for Crowdfunding, Kickstarter one of the famous and biggest crowdfunding platform. Gofundme is another big personal fund rising platform. Both of these platform is free for users. If anyone need fund of business/charity/travel more than 100 categories, they have open for users & User can post a campaign for rising fund with deadline. Donner can donate any amount directly.

2.3 Comparative Studies

As I mention [2.2] in Bangladesh there are no Platform yet. Kickstarter the company has been funded more than \$100 Billions from 250,000 projects & campaign. Kickstarter is associate all or nothing platform, which implies that you simply don't get your funds unless you complete your campaign. It conjointly means the funder's MasterCard won't be charged unless you meet your campaign goal. The fee is five-hitter on high of process payment charges (3- to 5-percent) per transaction. If you raise enough cash, there's a 14-day waiting amount for funds.

GoFundMe completed thousands of successful campaigns, including the Las Vegas Victims at October 01 2017 where 56 innocent people killed by self-infected gun shooting & GofundMe collect almost Fund (\$11.8 million) and the Time's Up Legal Defense Fund (\$22 million). This platform is a good option for fundraiser, If anyone go towards a service-based cause, such as medical needs or emergency relief it will help fund raiser. There are a few caveats, however: Conventional startups may not raise as much capital on GoFundMe, and it's important to be mindful that only one in ten campaigns ever get fully funded on the site.

2.4 Scope of the Problem

As I said there is no platform available in Bangladesh that's why it will be good if I can implement this project properly. I mention some points at bellows:

- Using Bangladesh Payment Gateway to financial transaction, Global Platform are not using Bangladeshi currency for payment that's why it is mandatory if I implement Call Humanity Project.
- Trust will be the great issue when a campaign goes on crowdfunding, need to ensure donor trust about campaign fund. If I implement donor panel where donor can track where fund is go through.
- Sometimes people copy someone's project at he/she can publish campaign for funding, there need to be copyright checker.
- There is a huge amount of uncertainly when accountability comes through crowdfunding.

According to these problems, my application offers solutions that will help both the Donner and recipient no doubt. I will look after this from two perspectives; one with the donner and another with the User.

For user, helps

- To post campaign easily.
- To calculate exact campaign amount
- Managing copyright issues
- Accountability about campaigning
- Recipient Panel

For Donner, helps

- Donate with Bangladeshi Currencies
- Secure Donner Data
- Expenditure of donated amount can be acknowledging by donner.

2.5 Challenges

In this world there is no task complete without any challenge. There is also lots of challenge to implement Call Humanity Project

- There is no necessary to every project need to apply for fund raising through crowdfunding platform, sometimes tradition way will be more effective.
- At Bangladesh there are no renowned crowdfunding platform, few of people know about crowdfunding lots of people haven't idea what is crowdfunding and how its work, making awareness will be great challenge.
- As It have financial issues there will be some restriction from Bangladesh Bank
- Using Bangladeshi Payment Gateway System is a costlier thing that i need to use my project.
- I haven't any idea about detecting financial fraud & it is a big challenge for me to live Call Humanity for Public.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling:

As we know business process model is a structural or graphical representation of process of a system. I'll explain my system process mention at below:

Receiver/Fundraiser: For post a campaign receiver/fundraiser must login or signup at system without signup receiver/fundraiser can't access events/campaign but he/she can check existing events/campaign which are already posted by another user/fundraiser. After login Call Humanity system, the user can post campaign or edit or delete the campaign.

Donner: A donner can sign up at our system, donner can check or view post/campaign which are posted at website, donner can donate any amount through gateway.

Admin: when complete of above process, admin will get notify and admin has access to stop or delete any campaign or post.

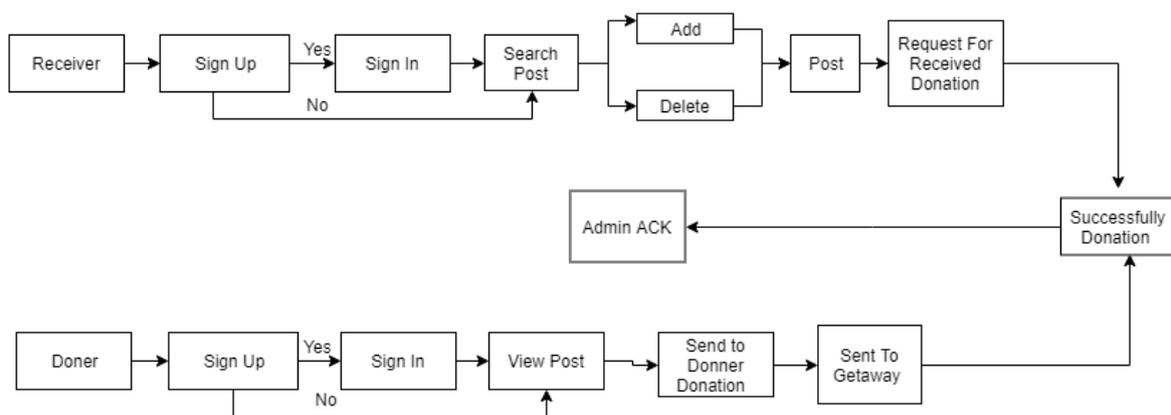


Figure 3.1: Call Humanity Business Process Model

3.2 Requirement Collection and Analysis

When I start working on this crowdfunding project, a delivery time of the project has already given. That's why project works must be planned and executed to deliver timely with the solutions that are both relevant and realistic to the project problem.

My project is an online based Donner and Recipient financial transaction system. So, the process of collection requirements must incorporate and address all the realities. It's because to identify the requirements at all levels and perceptions [3].

Software Requirements:

- Recipient/Receiver & Donner
- Login system for the donner
- Login system for the Recipient
- Time convenience
- Easily accessible

Hardware and Software Requirements for my system:

For develop Call Humanity application basic hardware requirements is minimum 512 MB Ram on server or PC. If use it on local network, then hardware must configurable with local server.

Basic software requirements are: Apache server need PHP $\geq 7.1.3$, MySQL ≥ 5.6 , BCMath PHP Extension, OpenSSL PHP Extension, PDO PHP Extension, Mbstring PHP Extension, JSON PHP Extension.

I'm using Laravel 5.4 Framework, My Sql Database & Xampp as my local server to develop this project.

3.3 Use Case Modeling and Description:

A use case model is a graphic description of the interactions among the elements of a system. A use case is a methodology used in system analysis to identify, clarify and organizing system requirements [5].

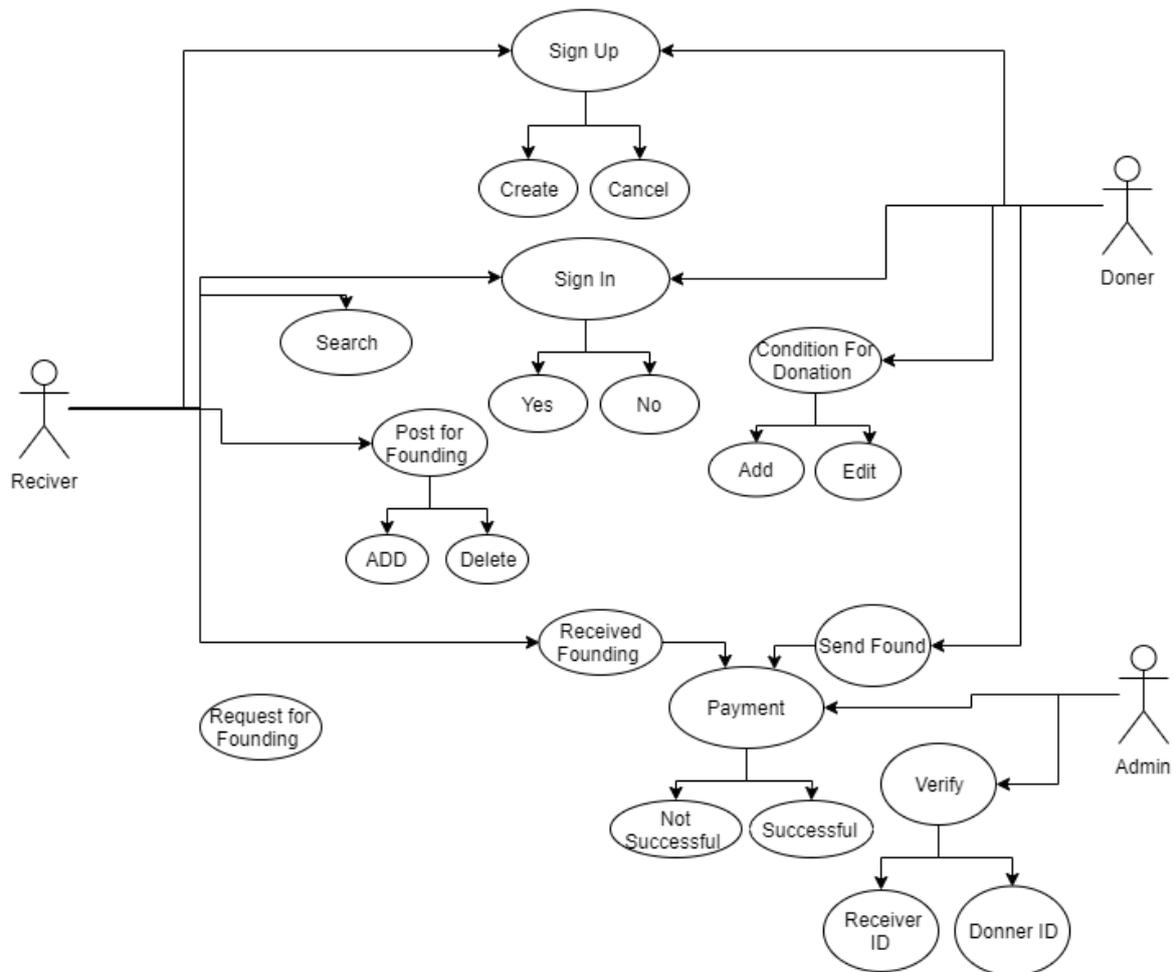


Figure 3.2: Use case diagram of Call Humanity

Use Case Description of Call Humanity

Use Case: Login

Actor: Receiver/ Recipient

Pre-condition: NULL

Primary Path

- Choose login as receiver or recipient
- Fill the required data level
- Click on create account button
- Redirect to the home page

Alternate Path

- Didn't choose login as receiver or recipient
- Required data field is empty

Post-condition

- If login is successful
- If home page is loaded

Receiver or Recipient can use application

Use Case: Receiver / Recipient Login

Actor: Receiver

Pre-condition: Login

Primary Path

- Choose login
- Fill the data fields
- Click the log in button

- Take to the home page

Alternate Path

- Didn't choose login page
- Data field is empty

Post-condition

- If login is successful
- If home page is loaded

Use Case: Post

Actor: Receiver

Pre-condition: Login

Primary Path

- Add Campaign
- Delete Campaign
- Edit Campaign

Alternate Path

- Didn't post any campaign
- Connection error

Post-condition

- If post was loaded

Use Case: Search post

Actor: Receiver

Pre-condition: Login

Primary Path

- Choose search button
- Type self-donation campaign name

Alternate Path

- Didn't choose search button
- Didn't typed self-donation campaign name
- Typed wrong type of search
- Connection error

Post-condition

- If search is successful

Use Case: Can Discuss with Problem

Actor: Receiver

Pre-condition: Login

Primary Path

- Click on the campaign

Alternate Path

- Didn't solve problem
- Didn't click on the campaign

Use Case: See donation campaign list

Actor: Receiver

Pre-condition: Login

Primary Path

- Find the self or other donation post
- Click on self-profile

Alternate Path

- Didn't match any donner
- Didn't click on the donner profile

Use Case: Search Donner

Actor: Receiver

Pre-condition: Login

Primary Path

- Find the self-donation campaign for any need
- Search on the donation list

Alternate Path

- Didn't find out donner
- Didn't search on the donation list

Use Case: Sign-In

Actor: Donner

Pre-condition: Null

Primary Path

- Choose sign in as donner
- Fill the data fields
- Click the login button

- Take to the home page

Alternate Path

- Can't choose sign in as donner
- Data field is empty
- Connection error donner profile

Post-condition

- If sign-in successful
- If home page is loaded

Use Case: Login

Actor: Donner

Pre-condition: Sign-in

Primary Path

- Choose login
- Fill the data fields
- Click the login button
- Take to the home page

Alternate Path

- Didn't choose login page
- Data field is empty
- Connection error

Post-condition

- If login successful

- If home page is loaded

Use Case: Search Donation post

Actor: Donner

Pre-condition: Login

Primary Path

- Choose search donation
- Type of donation

Alternate Path

- Didn't choose search button
- Didn't typed donation name
- Wrong type of campaign search
- Connection error

Post-condition

- If search is successful

Use Case: Can Discuss with Problem

Actor: Donner

Pre-condition: Login

Primary Path

- Find problem
- Click on the campaign

Alternate Path

- Didn't solve problem

- Didn't click on the campaign

Use Case: See donation details

Actor: Donner

Pre-condition: Login

Primary Path

- Choose list of the donation
- Easily can Check Receiver profile for any information need
- Easily can donation any recipient

Alternate Path

- Didn't choose list of the donation
- Connection error

Post-condition

- If donation details were loaded

Use Case: Acknowledge both side

Actor: Admin

Pre-condition: Null

Primary Path

- Choose the Real-time Database
- Type MySQL database connection

Alternate Path

- Didn't choose Real-time Database

- Didn't typed MySQL database connection
- Connection error

Post-condition

- Null

3.4 Logical Data Model

Entity Relation Diagram or Logical Data Modeling is a process to define and identified requirement to support the business processes. Entity Relationship Diagram, additionally called ERD, ER Diagram or ER model, may be a style of structural diagram to be used in info style. AN ERD contains completely different symbols and connectors that visualize to necessary information: the main entities inside the system scope, and also the inter-relationships among these entities. At my crowdfunding Platform there are 3 primary entities Donner, Receiver & Admin. Every entity has same & different type of attributes.

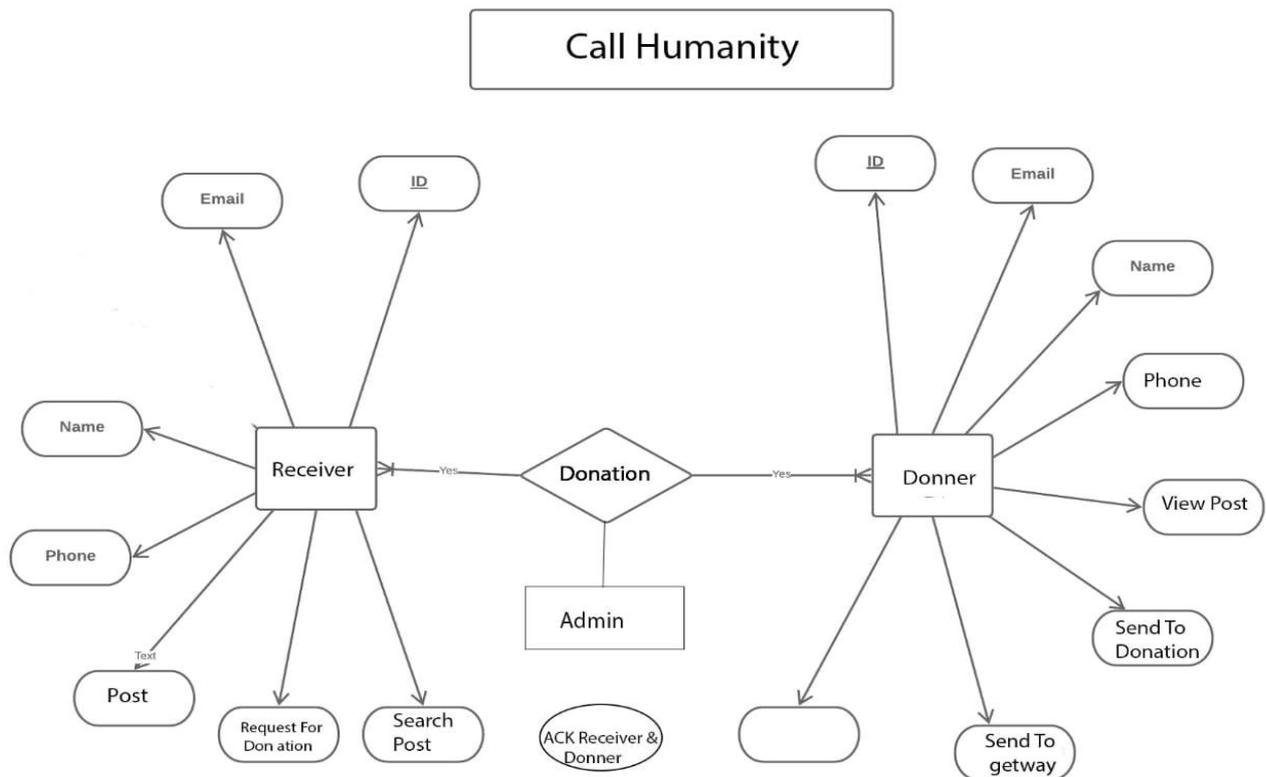


Figure 3.4: ER Diagram of Call Humanity

3.5 Design Requirements

When i design a software or system, i consider some requirements to make the project efficient. The following requirements are almost mandatory to do.

Ensure the system Easy Facile and Flexible: This system will be designed in such an easy way that the users feel satisfaction, easy way to facile and flexible to use it.

Make the system Balanced: This system must be suitable in the whole system and future maintenance. It's have very easy function for anyone can easy in this use system

Efficiency: The most important thing of software is its efficiency. The system must be capable to run and work with a minimal level of hardware resource available with a good use of time.

Responsive: Now a day's responsive design is most important for every web based application. It helps to user use the system at different device like Mobile, Tablet, Desktop and different browser. My project is also responsive, all of page are successfully load and supported at different device.

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end Design

The front end usually designed by two parts Call Humanity application design and front-end Application development. In present time, it has been cleared and very easy that there is a difference between Photoshop designed UI and Bootstrap (Html, css). It has become more significant when people start working with bootstrap (Html, css) and php [7].\

Everything that i can see is a combination of Bootstrap (Html, CSS) and PHP. These include things like fonts, button, notification bar, image etc.

i use Bootstrap (Html, CSS) for my application design.

4.2 Back-end Design

The backend usually designed of two parts: a server. An application and a database. If you Receiver/Recipient then you can post for want to any Donation, you usually open the donner and interact with the frontend or any Digital system use. Once you have input the data that needed, the application stores it in a database [8] that was created on a server.

So, in my back-end system, i create the database to store data that the server gets through users. i basically used php & laravel framework 5.4.

4.3 Interaction Design and UX

Interaction Design is mostly important for getting positive review from user with User Experience (UX) design. If we study human phycology people want easy to do anything that can be an application. I try to keep my project homepage interactive and user-friendly. An application will success when its user is get satisfaction after using the system. UX design, UI design, info architecture, and Interaction style square measure a number of the digital terms that people external to the look industry or new to it notice confusing. There are 5 important things for interaction design.

Interaction Design

5 Pillars of Interaction Design(IxD)

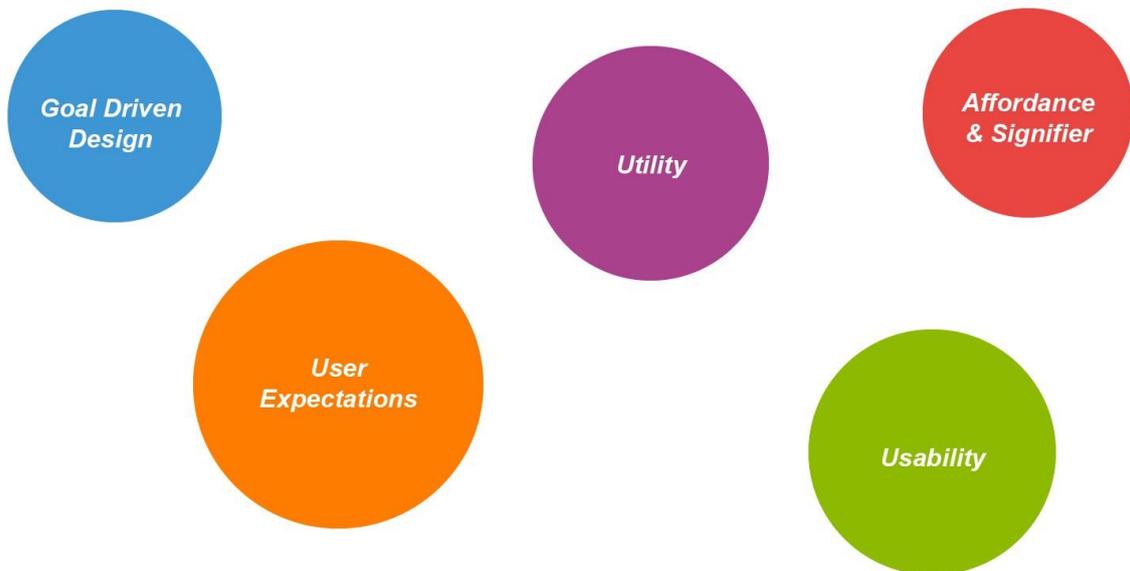


Figure 4.3: UX of Call Humanity [11]

4.4 Implementation Requirements

The implementations Requirements was given us a very good idea. The main task of this part is to make the entire things easier, user friendly. The list of implementation requirements is given bellow;

- Very simple method use for user can easy create account.
- Very simple method use for easily user can maintains account.
- Very simple method use for easily user can analysis account.
- Dynamic and responsive pages.
- Simple and User-friendly.

CHAPTER 5

IMPLEMENTATION & TESTING

5.1 Implementation of Database

When I complete the UX UI of Call Humanity project, I got puzzle about using database. SQL, MySQL or Maria DB which will better for my project. I took decision to use MySQL because of It is free and open source on the other hand my project isn't too big for using SQL of oracle Database. I used php myadmin which is included with xamp default database. Create a Database named "call humanity" and create several table into the database.

At admin table there are 25 rows where stored all admin information like Project title, description, welcome text, Admin & user role, Currency, Country, Payment gateway, Bank details, total campaign report, total funding amount, & total fund given to fundraiser.

At Campaign table there are 15 rows where include campaign id, title, description, amount, image, location & deadline etc.

At category table there are 6 rows category ID, Category name, category slug, Mode & status.

At user table there are user table, donation table, withdrawal table, migration & pages Etc.

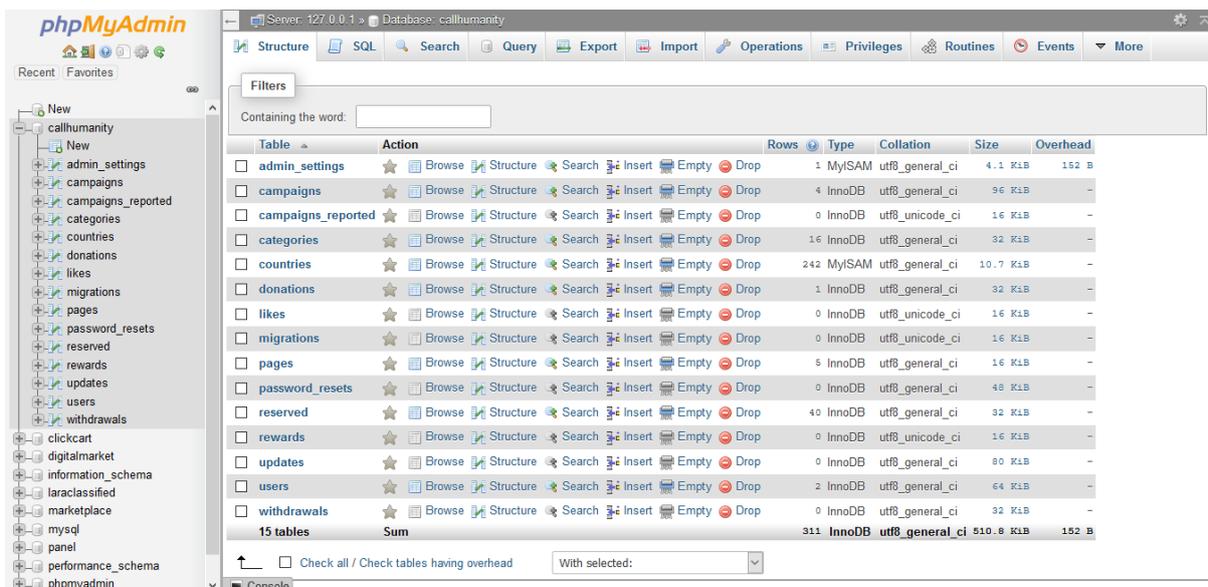


Figure 5.1.1: MySQL Database Attributes Table

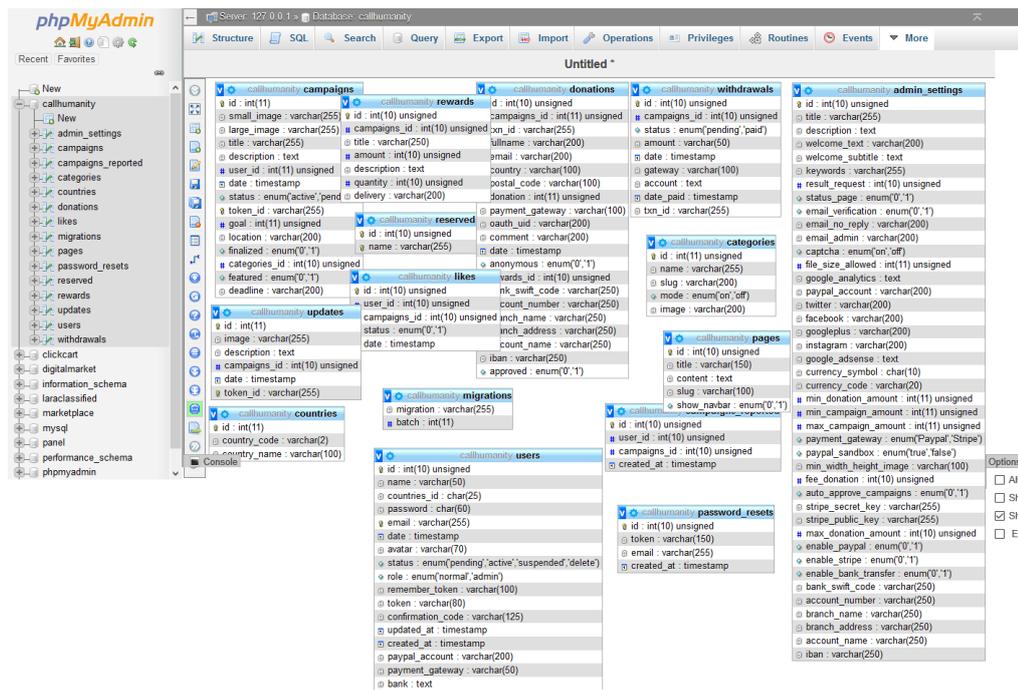


Figure 5.1.2: MySQL Relationship with entity and attributes and Data Storage.

5.2 Implementation of Front-end Design

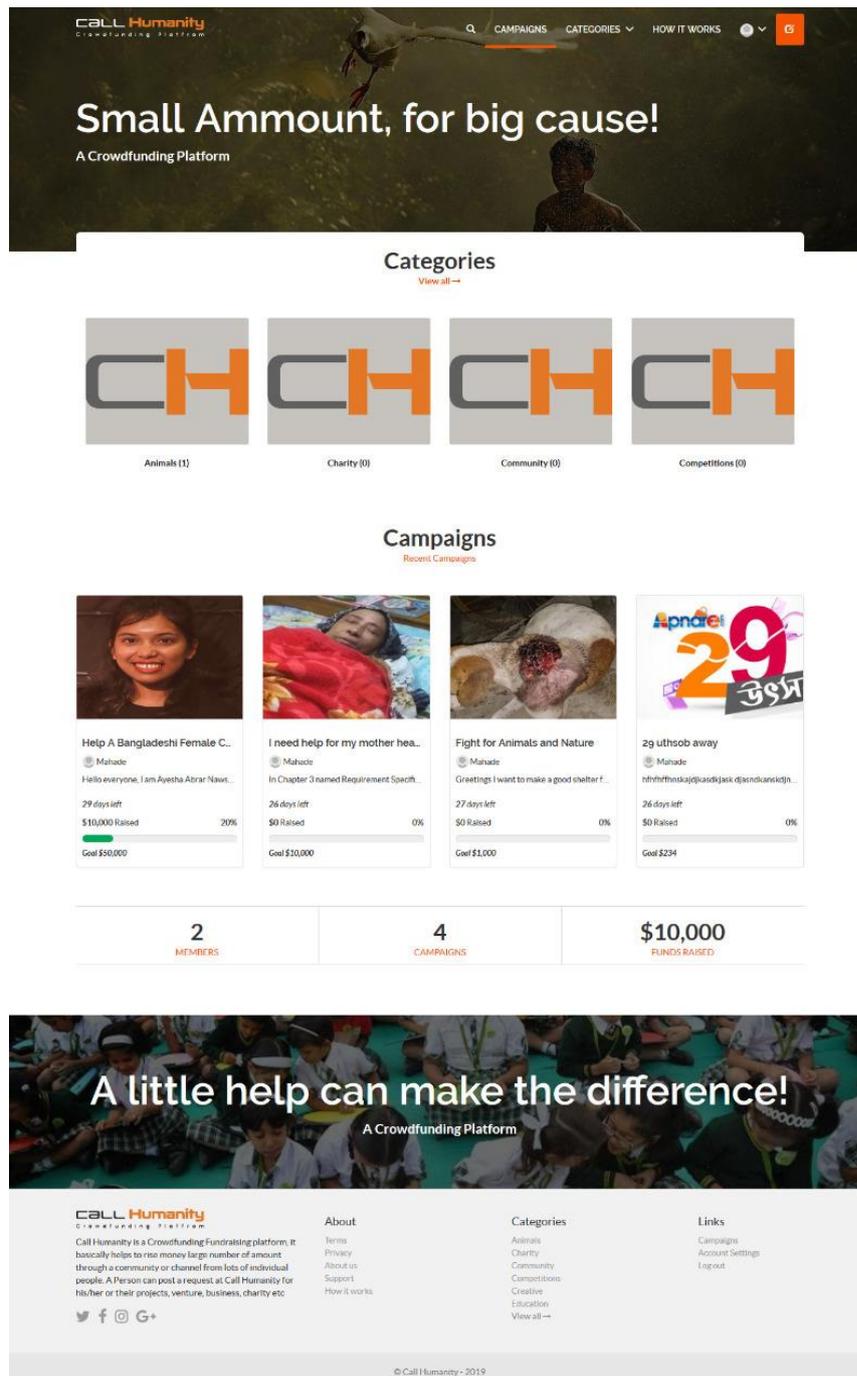


Figure 5.2.1: Home Page

In figure 5.2.1 home page top four categories will show below top categories there show some recent campaign, total users, total campaign & total collected amount.



Mahade
Created Oct 31, 2019
Dhaka

Donate Now

0

29 days left

\$10,000 of \$50,000 goal
20% Raised by 1 Donation
Travel

http://localhost/Callhumanity/campaign Copy Link

Help A Bangladeshi Female Changemaker

Share Tweet G+ Share Embed

The Story Donations 1 Updates 0

Hello everyone, I am Ayesha Abrar Nawshin from Bangladesh. I am a freshman student at Asian University For Women (AUW) in Chittagong, Bangladesh. I am majoring in Politics, Philosophy, and Economics (PPE). My dream is to lead the change in women's right in my country. This fall I have received an excellent opportunity to travel to South Korea and study a semester at Sookmyung Women's University (SMU) !!

This is a lifetime opportunity for me and I cannot wait to experience it. However, my scholarship doesn't cover all the expenses and I cannot afford it. Therefore, I need your help.

Who am I?

I was born in a small village in Bangladesh. I'm the eldest daughter of my family, also the eldest sister of 2 young girls. I come from a society where girls are considered weak. I left my village at the age of 12 to study in a school in the city with a full scholarship. When I came back home, more than half of my female friends from the village were forced to leave school, get married and abused.

From that instance, I wanted to work for girls who were deprived of their basic rights. I geared my life towards working for women's right, and I never stopped.

- I'm a social activist and philanthropist. I encourage the girls to read books, to dream big and know about their rights.
- I'm the president of my university's travel club that encourages women to explore beyond limitation.
- I'm an academic mentor at AUW to support junior students with their academics and personal goal.

[View more...](#)

Figure 5.2.2: Campaign Details

In figure 5.2.2 campaign details can be found, why this campaign run by fundraiser how much amount need with in how many days, donors can donate to click "Donate Now" button.

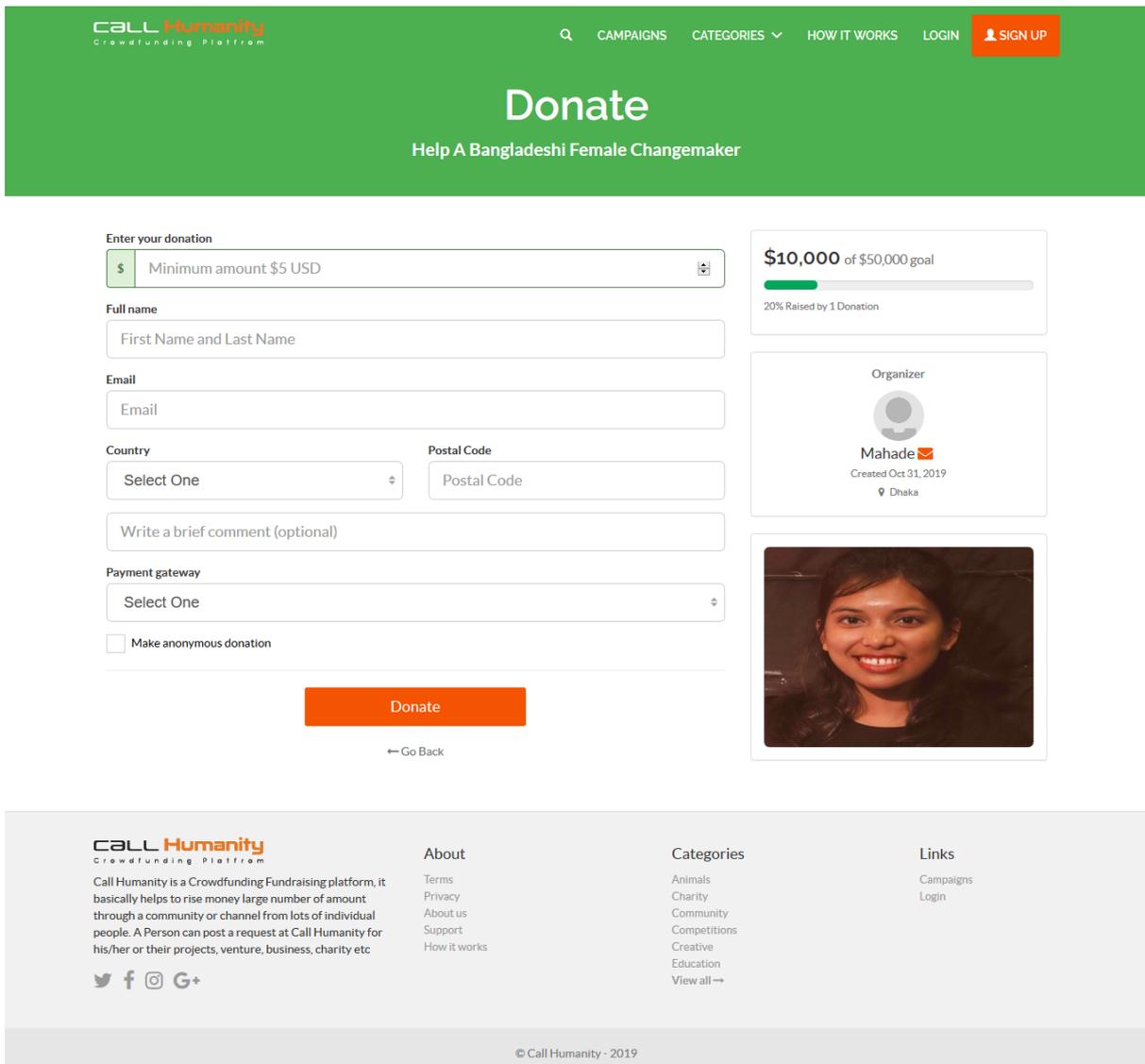


Figure 5.2.3 For donation input data

In figure 5.2.3 A donor need to input how much he/she want to donate, donor name & with information and donor can select payment gateway for donation.

The image shows a screenshot of the Call Humanity website's user signup form. The header features the Call Humanity logo and navigation links: CAMPAIGNS, CATEGORIES, HOW IT WORKS, LOGIN, and a SIGN UP button. The main heading is "Sign up" with the Call Humanity logo below it. The form includes fields for Name, Email, Password, Confirm Password, and a dropdown for "Select your country". A "Sign up" button is positioned below the form. The footer contains the Call Humanity logo, a description of the platform, social media icons, and navigation links for About, Categories, and Links. The copyright notice "© Call Humanity - 2019" is at the bottom.

CALL Humanity
Crowdfunding Platform

CALL Humanity is a Crowdfunding Fundraising platform, it basically helps to rise money large number of amount through a community or channel from lots of individual people. A Person can post a request at Call Humanity for his/her or their projects, venture, business, charity etc

Twitter Facebook Instagram Google+

CALL Humanity
Crowdfunding Platform

Search CAMPAIGNS CATEGORIES HOW IT WORKS LOGIN SIGN UP

Sign up

Call Humanity

Name

Email

Password

Confirm Password

Select your country

Sign up

CALL Humanity
Crowdfunding Platform

Call Humanity is a Crowdfunding Fundraising platform, it basically helps to rise money large number of amount through a community or channel from lots of individual people. A Person can post a request at Call Humanity for his/her or their projects, venture, business, charity etc

Twitter Facebook Instagram Google+

About

- Terms
- Privacy
- About us
- Support
- How it works

Categories

- Animals
- Charity
- Community
- Competitions
- Creative
- Education
- View all →

Links

- Campaigns
- Login

© Call Humanity - 2019

Figure 5.2.4: User Signup Form

In Figure 5.2.4 a signup form for user it can be for donor or fundraiser. User must use valid email id, name & located country and a password for account security.

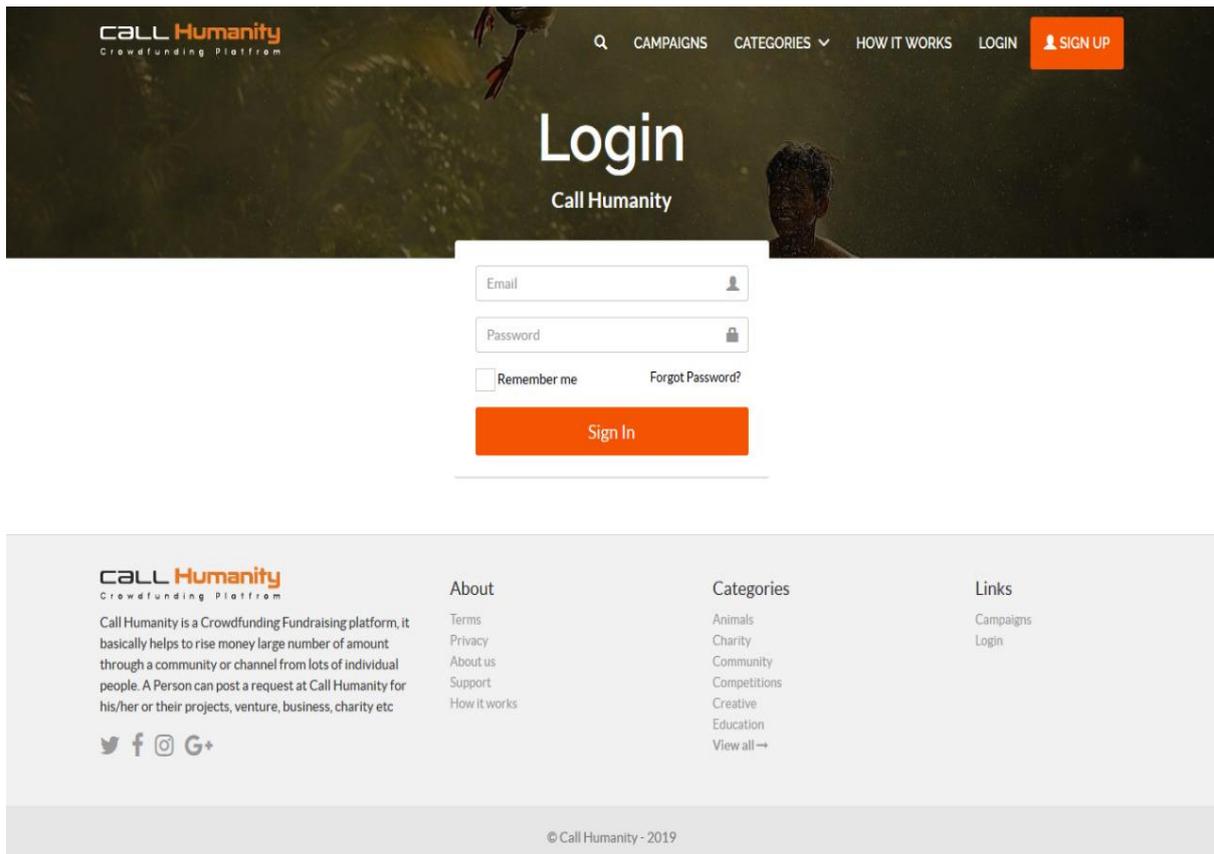


Figure:5.2.5 User Login Page

In figure 5.2.5 a user must login at system to create a fundraising campaign without login user can't access the panel for posting a campaign.

CALL Humanity
Crowdfunding Platform

[CAMPAIGNS](#)
[CATEGORIES](#)
[HOW IT WORKS](#)

Create Campaign



Click to select an image
The image must be greater than or equal to: 2MB - 800x400

Campaign Title

Choose a category

Campaign Goal

Location

Campaign deadline

*The minimum duration is 7 days, if you want your campaign does not have a deadline, leave blank, it can not be changed.

About the campaign

Rich text editor toolbar: Undo, Redo, Bold, Italic, Underline, Strikethrough, Link, Unlink, Bulleted List, Numbered List, Indent, Outdent, Image, Table

Create Campaign

CALL Humanity
Crowdfunding Platform

Call Humanity is a Crowdfunding Fundraising platform, it basically helps to rise money large number of amount through a community or channel from lots of individual people. A Person can post a request at Call Humanity for his/her or their projects, venture, business, charity etc

[Twitter](#) [Facebook](#) [Instagram](#) [G+](#)

About

- [Terms](#)
- [Privacy](#)
- [About us](#)
- [Support](#)
- [How it works](#)

Categories

- [Animals](#)
- [Charity](#)
- [Community](#)
- [Competitions](#)
- [Creative](#)
- [Education](#)
- [View all →](#)

Links

- [Campaigns](#)
- [Account Settings](#)
- [Log out](#)

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Figure 5.2.6, Create Campaign Page

In figure 5.2.6 fundraiser can post campaign, Why he/she need fund it can describe and post.

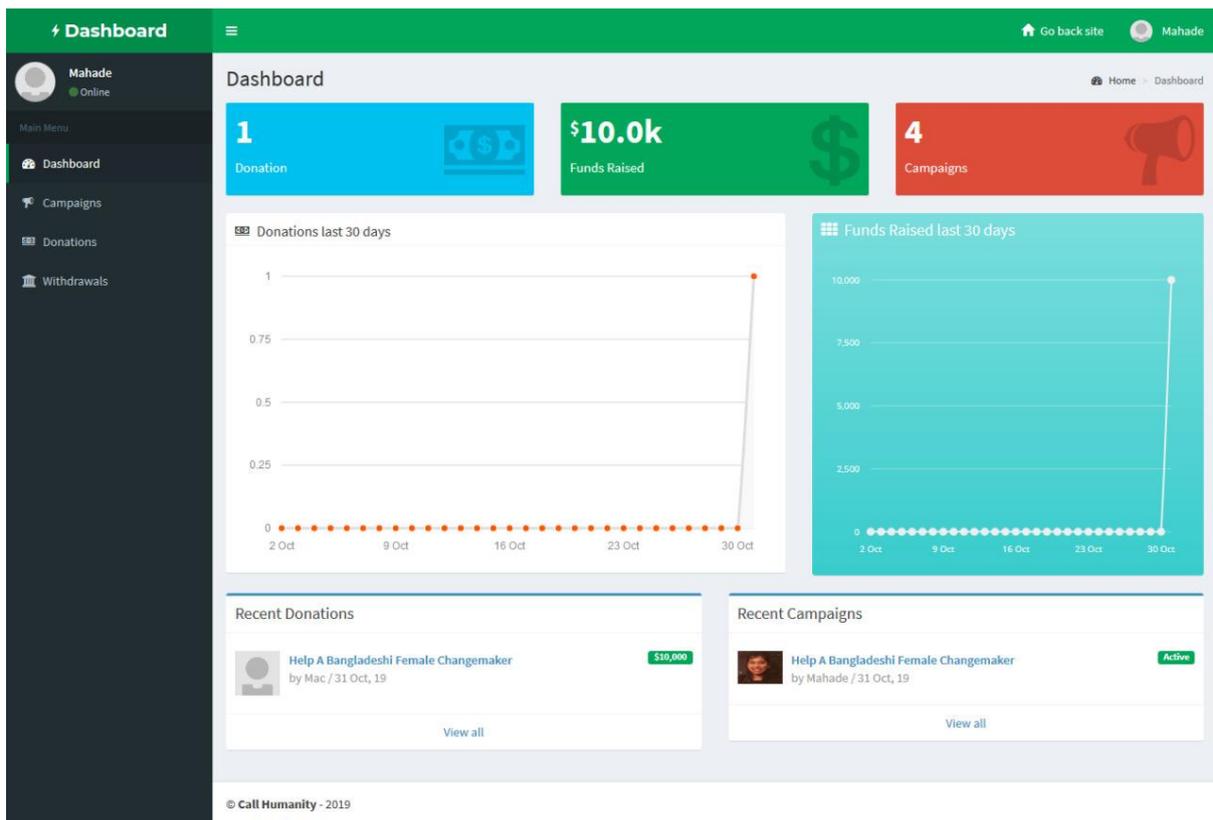


Figure 5.2.7: User Dashboard

5.3 Implementation of Interactions

Interactions are the common thing in today's from Crowded funding system [10]. It happens because of easy way communication Donner and Receiver. When the users are on a certain page but have to do others thing which is on other activity then interaction helps us. It should be done such a way that attracts the users.

5.4 Testing Implementation

5.4.1 Testing

Testing is a most important phase of any software system development project. The primary goal of testing is validating the contribution, authenticity, reliability and quality of the application. This project is to implement a Web based application that related to receiver & donner of crowdfunding with a communication system.

5.4.2 Unit Test

Every part of application is tested to make sure that the design is exactly completed. This make us ensure that each part of the application run as per the requirement.

5.4.3 Unit Test Case

Unit test case can be divided into two parts. Database handler and interface handler. i use some basic function in our application that's adding post, edit post and delete post. Database handler will check these three functions. And now our database handler test cases will be like this.

- Donner or Receiver very simply way use can add post or not.
- Donner or Receiver very simply way use can edit post or not.
- Donner or Receiver very simply way use can delete poster not.

5.4.4 Implementation Test

For a software development project most significant & final phase is Implementation. Connect users providing taring get real-time data and implement based on user experience.

5.5 Test Result and Reports

To enhance a system's proficiency of all the tests and integration are often completed through server based mostly computer code approach wherever every error is often found and I try to solved. I'll be incontestable screenshots of take a look at results of our system in bellow.

CHAPTER 6

CONCLUSION & FUTURE SCOPE

6.1 Discussion and Conclusion

Crowdfunding is will be good platform to communicate fundraiser with donner. At Bangladesh will be more popular & receive this technology as a blessing day by day if some of us can promote perfectly.

I studied more than 20+ crowdfunding website belongs in internet, kickstarter, Indiegogo, Patreon, GoFundMe, Crowdrise, Crowdfunder are most popular in world, I research their process campaign Payment system & business model. I collect requirements from several charity organizations that what type of problem they have been faced at physical crowdfunding & how make my platform easy to use with interactive tools. I'm happy to say that I can do the project as per recipient's requirements using lots of & it can contribute a to them.

I contact with some of my knower people who are donating several times with crowdfunding platform their primary requirements were installing BD payment gateway & keep donner data secret.

I described above everything about my crowdfunding system as you know there include a financial issue there will be some obstacles to live this project without any NGO background. I'm contacting with some of NGO who have operation at Bangladesh, forward them my proposal with business model & they have interest on my project if I could implement everything perfectly.

My idea & project is innovative at 21st century. There are lots of opportunity can provide through this application. I worked with lots of fundraiser & making a list of their problems, try my best to understand the communication can be happening with my application. Hope it will be helpful to everyone.

6.2 Scope of Further Development

I know that the world is moving to digital civilization. Communication system is always a changeable system. The world is developing day by day, getting better and better. Today what we think this is too good is tomorrow becomes previous old fashion. So, I have to need update this system always. It can useable not only for universities but also for all the crowed funding from all over the world. To fulfill that goal, I have several ideas to do.

- I want to develop this system only for all of the crowdfunding system.
- I want to make this call humanity system more than very easy, suitable, flexible, user friendly, keep update any data the users can always.
- Now it has only email and messaging option to its user but i want to start the voice messaging, video sharing etc.

6.3 Limitation of My Project

There is nothing in the world who haven't any limitation, on every application there belongs some limitation. My project has some limitation. Some of them are mention bellow

- At load testing got error if ≤ 10000 /sec users login my system.
- Can't connect payment gateway directly need to use third party solution.
- Attached document should be ≥ 8 MB.
- SMTP for email service is not working properly.
- Can't use multiple SMS gateway.

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PLAGIARISM REPORT

Test/3

ORIGINALITY REPORT

31%	7%	0%	29%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS

PRIMARY SOURCES

1	Submitted to Daffodil International University Student Paper	27%
2	www.thebalancesmb.com Internet Source	3%
3	Submitted to College of North West London, London Student Paper	1%
4	code24h.com Internet Source	<1%
5	Submitted to Manchester Metropolitan University Student Paper	<1%
6	dspace.daffodilvarsity.edu.bd:8080 Internet Source	<1%

Test/3

by Mahade Mahade

Submission date: 06-Nov-2019 07:50AM (UTC+0600)

Submission ID: 1207946723

File name: Call_Humanity-_after_Introduction.pdf (1.73M)

Word count: 4653

Character count: 24617

Introduction**1.1 Introduction**

Call Humanity is a Crowdfunding Fundraising platform; it basically helps to raise money large number of amount through a community or channel from lots of individual people. A Person can post a request at Call Humanity for his/her or their projects, venture, business, charity etc. On the other hand, a donor can view all of active fundraising campaign at Call Humanity website. The Donor can donate any amount (10-1000000) to any campaign as per donor wish.

When a registered user posts a campaign request at Call Humanity, it will be pending at my system, admin will verify the document which are included with campaign then Admin will approve the fundraising campaign. It will be a trusted platform to everyone any donor can ask operation details or his/her/their donation details of Call Humanity.

My system will send an email to all registered donor about created campaign details & make awareness to reach more people. When an unprivileged person posts a campaign request at Call humanity, a team will cross check his/her/their data given is he/she or organization valid or not, after verifying campaign will publish by admin. There will be a donor database at back office and send them with a donation request. On the hand it will publish at social media. System will auto generate a link for sharing the campaign to another people. Interested donor will pay how much he/she want to donate on the campaign through Bkash, Rocket, Credit Card, Debit Card, Bank Transfer etc which are available at payment gateway.

1.2 Motivation

Last year, when I went to my village, I can know there was a girl got chance to admission at BUET but her father is a rickshowplar & he haven't enough fund to provide his daughter education expense regularly.

One of my friend got road accident last year, for recover he was need more than 10 lakhs taka and that cannot effort by his family. Some of my mutual friend take decision to collect funds through crowdfunding.

lots of time when i walked in Dhanmondi Lake i can see there are some students collect fund for different types of event. I asked myself is the fund go through or expense at ridgeway properly.

Then I got the Idea to develop a crowdfunding platform where any one can create a campaign for his/her/their need basis.

1.3 Objective

The main objective of this project is to build a platform more efficient from traditional fundraising system.

- Make trust to donner about his donation
- It will generate attraction social awareness and validation
- Reach large number of people.
- Collect more fund at shortest period
- Make a secure crowdfunding system
- To making a social community of large number of people.

1.4 Expected Outcome

Call Humanity can contribute at society at lot if can use properly. Important points are mentioned below

- At Bangladesh lots of charity organization will join to rise funding for their social work.
- lots of unprivileged student can create campaign for their education expense.
- It will be fast way to rise finance.
- Startup organization will find investor for their business.
- Anyone one can post any profitable & attractive idea to investor.
- It will be a good platform for to get people reaction about any business or service.
- It will be good alternative financial platform rather than bank loans.
- Investor can track their funding where they invest money.
- For Manage & maintain the operation of Call Humanity, System will take 5% commission of each transaction, So Call Humanity can be a profitable organization.

1.5 Report Layout

I developing this web based crowdfunding application which name is “Call Crowed Funding”. I going to make sure that, the project will complete in time. Finally, it can happen, I completed my project report before deadline & I respect to my workflow which i design for my project report.

In 2nd chapter I will discuss about my project “Call Humanity” Background where include the Project Introduction, Project Related Works (similar project), Project Comparative Studies, Scope of the Problem with Challenges for implementation. In Chapter 3 named Requirement Specification i discuss about the Business Process Modeling, Requirement Collection and Analysis, Use Case Modeling and Descriptions, Logical Data Model, Design Requirements.

In chapter 4 named Design Specification I discuss about the Front-end Design, Back-end Design, UI Design and UX and Implementation Requirements. In chapter 5 named Implementation and Testing I discuss about the Implementation of Database, Implementation of Front-end Design, Testing Implementation, Test Results and Reports. In chapter 6 named Discussion and Conclusion i discuss about the Future Scope, Discussion and Conclusion of the whole project.

CHAPTER 2

Background

2.1 Introduction

Let Example Mr. X got GPA 5 at SSC & HSC examination & got chance at Dhaka Medical College but his father is a daily labor, he hasn't enough fund to bear the cost of study and leaving expenses. He need fund for complete his MBBS Degree. So he need to find investor or sponsors for his expenses. It will too difficult to find sponsor list and go to their door to door. On the other hand, Mr. Y completed his graduation from Daffodil International University in CSE. He made a profitable & attractive business solution for run his startup to sell this solution he need fund, It is also impossible for him finding investor & go to their door to door.

Call Humanity a crowdfunding platform will be a social network to Investor/Donner & Recipient/Organization/Startup. A recipient can post a campaign request at Call Humanity with a proper description and documents and mention how much fund he/she/they have need with in how may days. They can share the campaign at their social networks. The Administration of Call Humanity will verify his/her/their documents is it valid or not. After verifying Admin will approve the campaign request and it will be publishing at Call Humanity website. If anyone get interest to donate any amount for any campaign then he/she can donate/investment 10 Taka to 100,000 Taka at time with Bkash, Rocket, Credit Card, Debit Card, PayPal, Bank Transfer.

In Bangladesh there are lots of people wants to make donation for charity work but they have fear or tension for fraud activity. Call Humanity will publish only valid campaign who need actual fund. After few years then it will be normal to donate easily to anyone.

2.2 Related Works

In Bangladesh there haven't any renowned crowdfunding platform yet. At Globally there are huge application for Crowdfunding, **Kickstarter** one of the famous and biggest crowdfunding platform. **Gofundme** is another big personal fund rising platform. Both of these platform is free for users. If anyone need fund of business/charity/travel more than 100 categories they have open for users & User can post a campaign for rising fund with deadline. Donner can donate any amount directly.

2.3 Comparative Studies

As I mention [2.2] in Bangladesh there are no Platform yet. Kickstarter the company has been funded more than \$100 Billions from 250,000 projects & campaign. Kickstarter is associate all or nothing platform, which implies that you simply don't get your funds unless you complete your campaign. It conjointly means the funder's MasterCard won't be charged unless you meet your campaign goal. The fee is five-hitter on high of process payment charges (3- to 5-percent) per transaction. If you raise enough cash, there's a 14-day waiting amount for funds.

GoFundMe completed lots of successful campaigns, including the Las Vegas Victims at October 01 2017 where 56 innocent people killed by self-infected gun shooting & GofundMe collect almost Fund (\$11.8 million) and the Time's Up Legal Defense Fund (\$22 million). This platform is a good option for fundraiser, If anyone go towards a service-based cause, such as medical needs or emergency relief it will help fund raiser. There are a few caveats, however: Conventional startups may not raise as much capital on GoFundMe, and it's important to be mindful that only one in ten campaigns ever get fully funded on the site.

2.4 Scope of the Problem

As I said there is no platform available in Bangladesh that's why it will be good if I can implement this project properly. I mention some points at bellows:

- Using Bangladesh Payment Gateway to financial transaction, Global Platform are not using Bangladeshi currency for payment that's why it is mandatory if I implement Call Humanity Project.
- Trust will be the great issue when a campaign goes on crowdfunding, need to ensure donor trust about campaign fund. If I implement donor panel where donor can track where fund is go through.
- Sometimes people copy someone's project at he/she can publish campaign for funding, there need to be copyright checker.
- There is a huge amount of uncertainly when accountability comes through crowdfunding.

1

According to these problems, my application offers solutions that will help both the Donner and recipient no doubt. I will look after this from two perspectives; one with the donner and another with the User.

For user, helps

- To post campaign easily.
- To calculate exact campaign amount
- Managing copyright issues
- Accountability about campaigning
- Recipient Panel

For Donner, helps

- Donate with Bangladeshi Currencies
- Secure Donner Data
- Expenditure of donated amount can be acknowledging by donner.

2.5 Challenges

In this world there is no task complete without any challenge. There is also lots of challenge to implement **Call Humanity** Project

- There is no necessary to every project need to apply for fund raising through crowdfunding platform, sometimes tradition way will be more effective.
- At Bangladesh there are no renowned crowdfunding platform, few of people know about crowdfunding lots of people haven't idea what is crowdfunding and how its work, making awareness will be great challenge.
- As It have financial issues there will be some restriction from Bangladesh Bank
- Using Bangladeshi Payment Gateway System is a costlier thing that i need to use my project.
- I haven't any idea about detecting financial fraud & it is a big challenge for me to live Call Humanity for Public.

1 CHAPTER 3

Requirement Specification

3.1 Business Process Modeling:

As we know **business process model** is a structural or **graphical representation of process of a system**. I'll explain my system process mention at below:

Receiver/Fundraiser: For post a campaign receiver/fundraiser must login or signup at system without signup receiver/fundraiser can't access events/campaign but he/she can check existing events/campaign which are already posted by another user/fundraiser. After login **Call Humanity** system, the user can post campaign or edit or delete the campaign.

Donner: A donner can sign up at our system, donner can check or view post/campaign which are posted at website, donner can donate any amount through gateway.

Admin: when complete of above process, admin will get notify and admin has access to stop or delete any campaign or post.

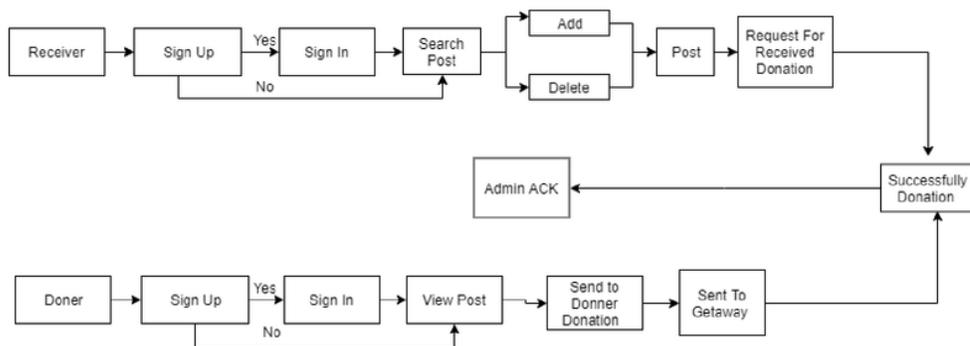


Figure 3.1: Call Humanity Business Process Model

3.2 Requirement Collection and Analysis

When I start working on this crowdfunding project, a delivery time of the project has already given. That's why project works must be planned and executed to deliver timely with the solutions that are both relevant and realistic to the project problem.

My project is an online based Donner and Recipient financial transaction system. So, the process of collection requirements must incorporate and address all the realities. It's because to identify the requirements at all levels and perceptions [3].

Software Requirements:

- Recipient/Receiver & Donner
- Login system for the donner
- Login system for the Recipient
- ¹ Time convenience
- Easily accessible

Hardware and Software Requirements for my system:

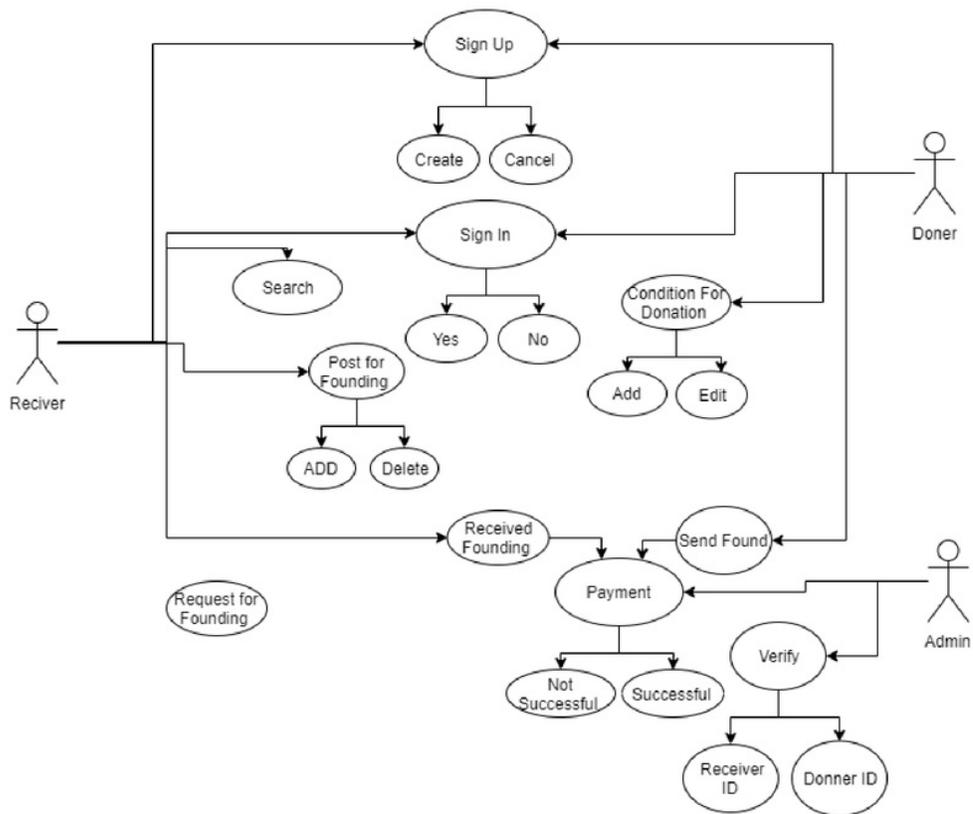
For develop **Call Humanity** application basic hardware requirements is minimum 512 MB Ram on server or PC. If use it on local network, then hardware must configurable with local server.

Basic software requirements are: Apache server need ⁴ PHP >= 7.1.3, MySQL >= 5.6, BCMath PHP Extension, OpenSSL PHP Extension, PDO PHP Extension, Mbstring PHP Extension, JSON PHP Extension.

I'm using Laravel 5.4 Framework, My Sql Database & ¹ Xampp as my local server to develop this project.

1
3.3 Use Case Modeling and Description:

A use case model is a graphic description of the interactions among the elements of a system. A use case is a methodology used in system analysis to identify, clarify and organizing system requirements [5].



1
Figure 3.2: Use case diagram of Call Humanity

Use Case Description of Call Humanity

Use Case: Sign-In

Actor: Receiver/ Recipient

Pre-condition: NULL

Primary Path

- Choose sign in as receiver / recipient
- ¹ Fill the data fields
- Click the sing up button
- Take to the home page

Alternate Path

- Didn't choose sign in as receiver/recipient
- Data field is empty

Post-condition

- If sign-in successful
- If home page is loaded
- Receiver/ Recipient easily use application

Use Case: Receiver / Recipient Login

Actor: Receiver

Pre-condition: Sign-In

Primary Path

© Daffodil International University

- Choose sign in
- ¹ Fill the data fields
- Click the log in button
- Take to the home page

Alternate Path

- Didn't choose sign in page
- Data field is empty

Post-condition

- If sign-in¹ successful
- If home page is loaded

Use Case: Post

Actor: Receiver

Pre-condition: Login

Primary Path

- Add post
 - Delete post
- Edit Post

¹ Alternate Path

- Didn't any post
- Connection error

Post-condition

- If post was loaded

Use Case: Search post

Actor: Receiver

1
Pre-condition: Login

Primary Path

- Choose search button
- Type self-Donation post **1** name

Alternate Path

- Didn't choose search button
- Didn't typed self-donation post **1** name
- Typed wrong type of search
- Connection error

1
Post-condition

- If search is successful

Use Case: Can Discuss with Problem

Actor: Receiver

1
Pre-condition: Login

Primary Path

- Click on the post

Alternate Path

- Didn't solve problem

- Didn't click on the post

Use Case: See donation post list

Actor: Receiver

1
Pre-condition: Login

Primary Path

- Find the self or other donation post
- Click on self-profile

Alternate Path

- didn't found donner
- Didn't click on the donner profile

Use Case: Search Donner

Actor: Receiver

Pre-condition: Login

1
Primary Path

- Find the self-donation post for any need
- Search on the donation list

Alternate Path

- Didn't find out donner
- Didn't search on the donation list

Use Case: Sign-In

Actor: Donner

© Daffodil International University

Pre-condition: Null

Primary Path

- Choose sign in as donner
- ¹ Fill the data fields
- Click the login button
- Take to the home page

Alternate Path

- Can't choose sign in as donner
- Data field is empty
- Connection error donner profile

Post-condition

- ¹ If sign-in successful
- If home page is loaded

Use Case: Login

Actor: Donner

Pre-condition: Sign-in

Primary Path

- Choose login
- ¹ Fill the data fields
- Click the login button
- Take to the home page

Alternate Path

- Didn't choose sign in page
- Data field is empty
- Connection error

Post-condition

- If login successful
- If home page is loaded

Use Case: Search Donation post

Actor: Donner

Pre-condition: Login

Primary Path

- Choose search donation
- Type of donation

Alternate Path

- ¹ Didn't choose search button
- Didn't typed ¹ donation name
- Typed wrong type of search
- Connection error

Post-condition

- ¹ If search is successful

Use Case: Can Discuss with Problem

Actor: Donner

1
Pre-condition: Login

Primary Path

- Find problem
- Click on the post

Alternate Path

- Didn't solve problem
- Didn't click on the post

Use Case: See donation details

Actor: Donner

Pre-condition: Login

Primary Path

- Choose list of the donation
- Easily can Check Receiver profile for any information need
- Easily can donation any recipient

Alternate Path

- 1**
• Didn't choose list of the donation
- Connection error

Post-condition

- If donation list was loaded

Use Case: ACK both side

Actor: Admin

1

Pre-condition: Null

Primary Path

- Choose the Real-time Database
- Type MySQL database connection

1

Alternate Path

- Didn't choose Real-time Database
- Didn't typed MySQL database connection
- Connection error

Post-condition

- Null

3.4 Logical Data Model

Entity Relation Diagram or Logical Data Modeling is a process to define and identified requirement to support the business processes. Entity Relationship Diagram, additionally called ERD, ER Diagram or ER model, may be a style of structural diagram to be used in info style. AN ERD contains completely different symbols and connectors that visualize to necessary information: the main entities inside the system scope, and also the inter-relationships among these entities. At my crowdfunding Platform there are 3 primary entities Donner, Receiver & Admin. Every entity has same & different type of attributes.

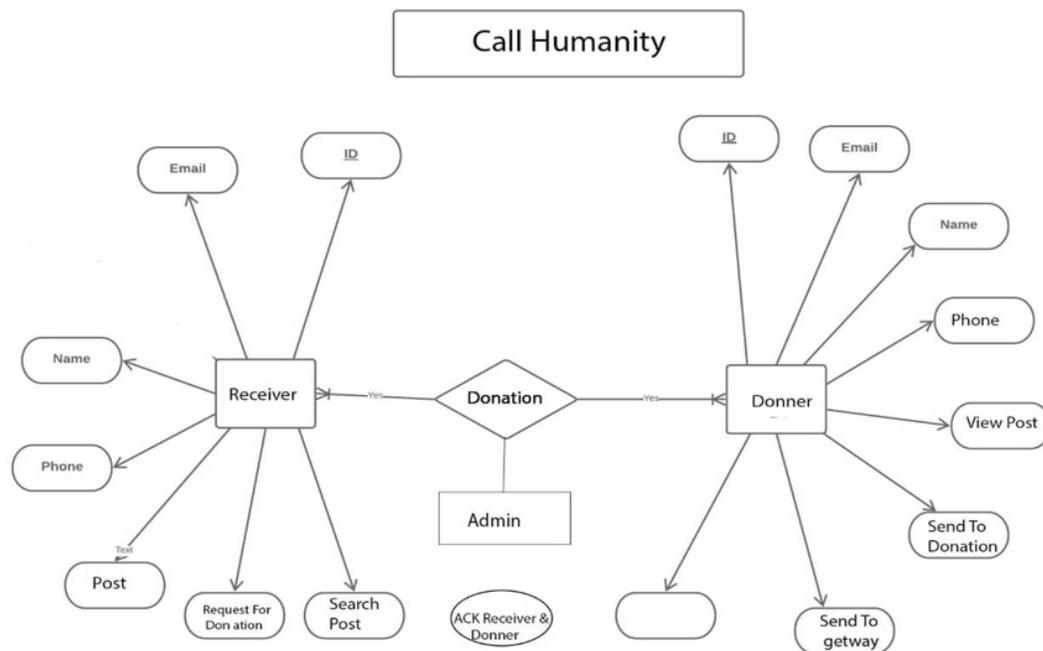


Figure 3.4: ER Diagram of Call Humanity

1 3.5 Design Requirements

When i design a software or system, i consider some requirements to make the project efficient. The following requirements are almost mandatory to do.

Ensure the system Easy Facile and Flexible: This system will be designed in such a easy way that the users feel satisfaction, easy way to facile and flexible to use it.

Make the system Balanced: This system must be suitable in the whole system and future maintenance. It's have very easy function for anyone can easy in this use system

Efficiency: The most important thing of software is its efficiency. The system must be capable to run and work with a minimal level of hardware resource available with a good use of time.

CHAPTER 4

Design Specification

4.1 Front-end Design

The front end usually designed by two parts Call Humanity application design and front-end Application development. In present time, it has been cleared and very easy that there is a difference between Photoshop designed UI and Bootstrap (Html, css). It has become more significant when people start working with bootstrap (Html, css) and php [7].

Everything that i can see is a combination of Bootstrap (Html, CSS) and PHP. These include things like fonts, button, notification bar, image etc. i use Bootstrap (Html, CSS) for my application design.

4.2 Back-end Design

The backend usually designed of two parts: a server. An application and a database. If you Receiver/Recipient then you can post for want to any Donation, you usually open the donner and interact with the frontend or any Digital system use. Once you have input the data that needed, the application stores it in a database [8] that was created on a server.

So, in my back-end system, i create the database to store data that the server gets through users. i basically used php & laravel framework 5.4.

1

4.3 Interaction Design and UX

Interaction Design is mostly important for getting positive review from user with User Experience (UX) design. If we study human psychology people want easy to do anything that can be an application. I try to keep my project homepage interactive and user-friendly. An application will success when its user is get satisfaction after using the system. UX design, UI design, info architecture, and Interaction style square measure a number of the digital terms that people external to the look industry or new to it notice confusing. There are 5 important things for interaction design.

Interaction Design

5 Pillars of Interaction Design(IxD)

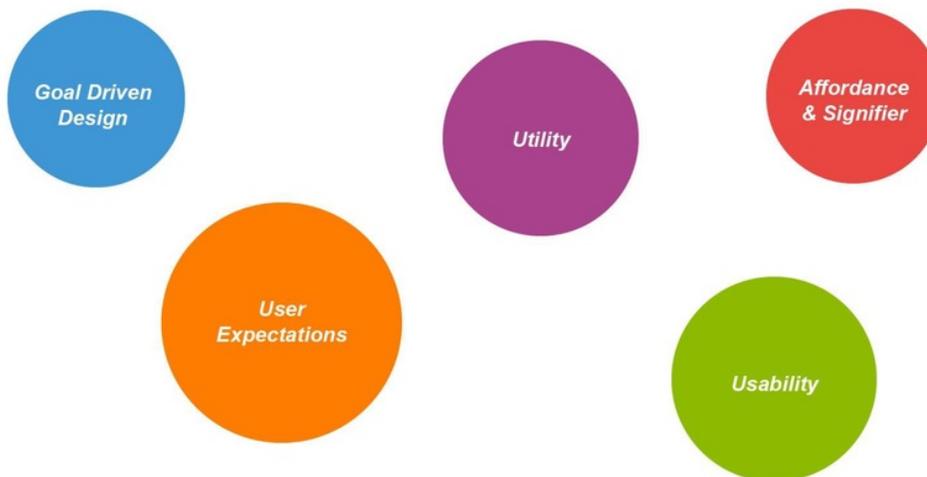


Figure 4.3: UX of Call Humanity [11]

1 4.4 Implementation Requirements

The implementations Requirements was given us a very good idea. The main task of this part is to make the entire things easier, user friendly. The list of implementation requirements is given below:

- Very simple method use for user can easy create account.
- Very simple method use for easily user can maintains account.
- Very simple method use for easily user can analysis account.
- Dynamic and responsive pages.
- Simple and User-friendly.

1 CHAPTER 5

Implementation and Testing

5.1 Implementation of Database

When I complete the UX UI of Call Humanity project, I got puzzle about using database. SQL, MySQL or Maria DB which will better for my project. I took decision to use MySQL because of It is free and open source on the other hand my project isn't too big for using SQL of oracle Database. I used php myadmin which is included with xamp default database. Create a Database named "call humanity" and create several table into the database.

At admin table there are 25 rows where stored all admin information like Project title, description, welcome text, Admin & user role, Currency, Country, Payment gateway, Bank details, total campaign report, total funding amount, & total fund given to fundraiser.

At Campaign table there are 15 rows where include campaign id, title, description, amount, image, location & deadline etc.

At category table there are 6 rows category ID, Category name, category slug, Mode & status.

At user table there are user table, donation table, withdrawal table, migration & pages Etc.

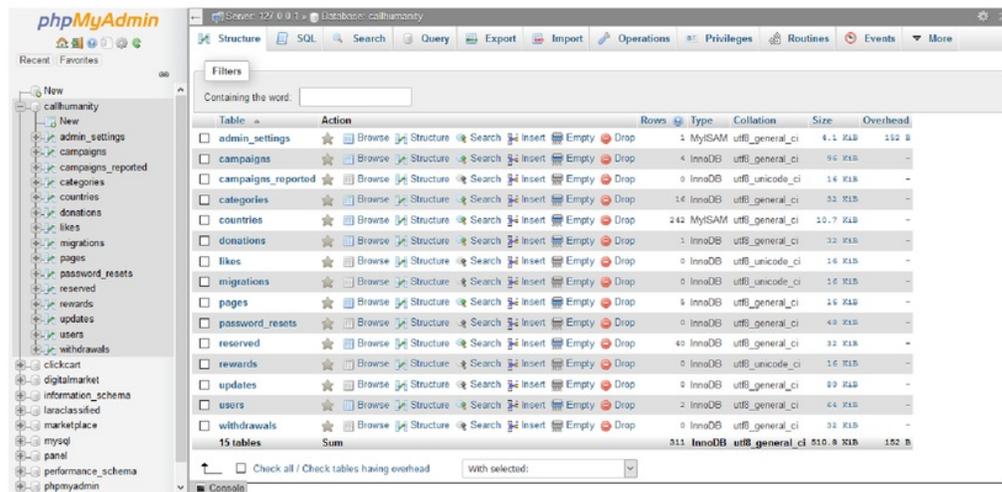


Table	Action	Rows	Type	Collation	Size	Overhead
admin_settings	Browse Structure Search Insert Empty Drop	1	MyISAM	utf8_general_ci	4.1 KkB	152 B
campaigns	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8_general_ci	9.0 KkB	-
campaigns_reported	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	1.6 KkB	-
categories	Browse Structure Search Insert Empty Drop	14	InnoDB	utf8_general_ci	53.1 KkB	-
countries	Browse Structure Search Insert Empty Drop	242	MyISAM	utf8_general_ci	10.7 KkB	-
donations	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8_general_ci	3.2 KkB	-
likes	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	1.6 KkB	-
migrations	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	1.6 KkB	-
pages	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8_general_ci	1.6 KkB	-
password_resets	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_general_ci	4.9 KkB	-
reserved	Browse Structure Search Insert Empty Drop	40	InnoDB	utf8_general_ci	3.2 KkB	-
rewards	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	1.6 KkB	-
updates	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_general_ci	8.0 KkB	-
users	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8_general_ci	4.4 KkB	-
withdrawals	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_general_ci	3.2 KkB	-
15 tables	Sum	311	InnoDB	utf8_general_ci	850.8 KkB	152 B

1 Figure 5.1.1: MySQL Database Attributes Table

1
5.2 Implementation of Front-end Design

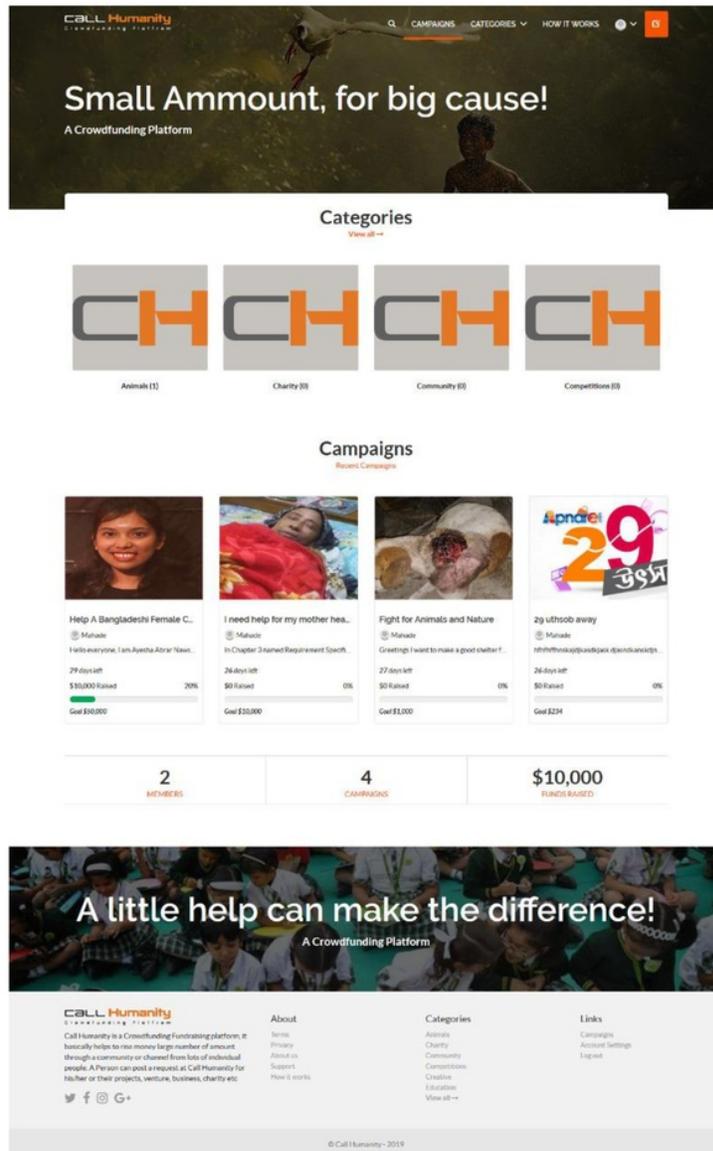


Figure 5.2.1: Home Page

In figure 5.2.1 home page top four categories will show below top categories there show some recent campaign, total users, total campaign & total collected amount.

CALL Humanity
Crowdfunding Platform

SEARCH CAMPAIGNS CATEGORIES HOW IT WORKS LOGIN SIGN UP

Mahade
Created Oct 31, 2019
Dhaka

Donate Now

0

29 days left

\$10,000 of \$50,000 goal

20% Raised by 1 Donation

Travel

http://localhost:Callhumanity/campaign Copy Link

Help A Bangladeshi Female Changemaker

Share Tweet G+ Share Embed

The Story Donations Updates

Hello everyone, I am Ayesha Abrar Nawshin from Bangladesh. I am a freshman student at Asan University For Women (AUW) in Chittagong, Bangladesh. I am majoring in Politics, Philosophy, and Economics (PPE). My dream is to lead the change in women's right in my country. This fall I have received an excellent opportunity to travel to South Korea and study a semester at Sookmyung Women's University (SMU) !!

This is a lifetime opportunity for me and I cannot wait to experience it. However, my scholarship doesn't cover all the expenses and I cannot afford it. Therefore, I need your help.

Who am I?
I was born in a small village in Bangladesh. I'm the eldest daughter of my family, also the eldest sister of 2 young girls. I come from a society where girls are considered weak. I left my village at the age of 12 to study in a school in the city with a full scholarship. When I came back home, more than half of my female friends from the village were forced to leave school, get married and abused.

From that instance, I wanted to work for girls who were deprived of their basic rights. I geared my life towards working for women's right, and I never stopped.

- I'm a social activist and philanthropist. I encourage the girls to read books, to dream big and know about their rights.
- I'm the president of my university's travel club that encourages women to explore beyond limitation.
- I'm an academic mentor at AUW to support junior students with their academics and personal goal.

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CALL Humanity
Crowdfunding Platform

Call Humanity is a Crowdfunding Fundraising platform, it basically helps to raise money large number of amount through a community or channel from lots of individual people. A Person can post a request at Call Humanity for his/her or their projects, venture, business, charity etc

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Figure 5.2.2: Campaign Details

In figure 5.2.2 campaign details can be found, why this campaign run by fundraiser how much amount need with in how many days, donors can donate to click "Donate Now" button.

CALL Humanity
CROWDFUNDING PLATFORM

CAMPAIGNS CATEGORIES HOW IT WORKS LOGIN SIGN UP

Donate

Help A Bangladeshi Female Changemaker

Enter your donation

\$ Minimum amount \$5 USD

Full name
First Name and Last Name

Email
Email

Country
Select One

Postal Code
Postal Code

Write a brief comment (optional)

Payment gateway
Select One

Make anonymous donation

Donate

Go Back

\$10,000 of \$50,000 goal
20% Raised by 1 Donation

Organizer
Mahade
Created Oct 31, 2019
Dhaka

CALL Humanity
CROWDFUNDING PLATFORM

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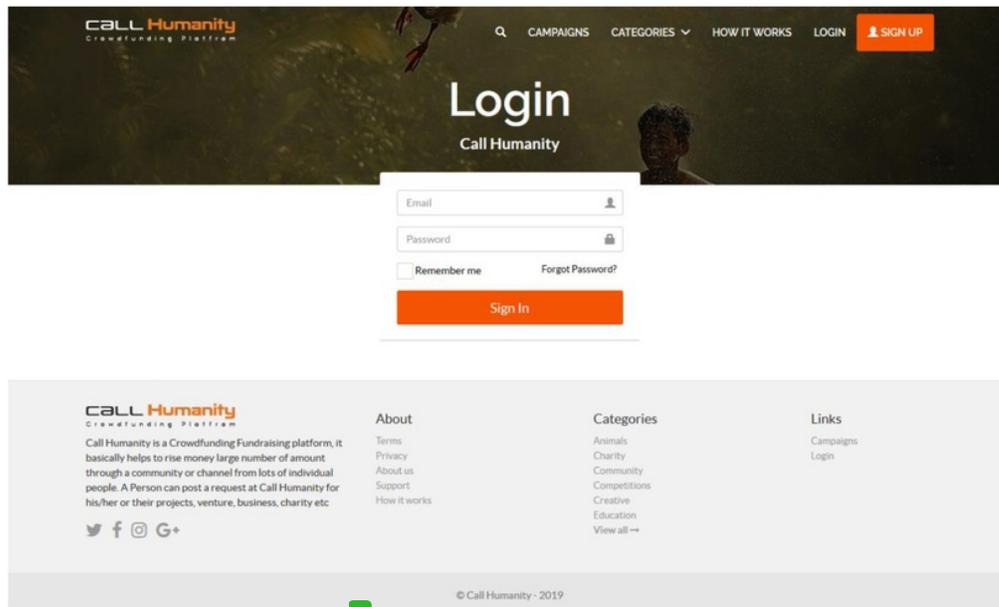
Figure 5.2.3 For donation input data

In figure 5.2.3 A donor need to input how much he/she want to donate, donor name & with information and donor can select payment gateway for donation.

The image shows a user sign-up form for the Call Humanity crowdfunding platform. The form is centered on a dark background with the text "Sign up Call Humanity". It includes input fields for Name, Email, Password, Confirm Password, and a dropdown for "Select your country". A prominent orange "Sign up" button is at the bottom of the form. The website header includes "CALL Humanity Crowdfunding Platform" and navigation links like "CAMPAIGNS", "CATEGORIES", "HOW IT WORKS", "LOGIN", and "SIGN UP". The footer contains "About", "Categories", and "Links" sections with various sub-links and social media icons.

Figure 5.2.4: User Signup Form

In Figure 5.2.4 a sign up form for user it can be for donner or fundraiser. User must sue valid email id, name & located country and a password for account security.



5
Figure:5.2.5 User Login Page

In figure 5.2.5 a user must be login at system to create a fundraising campaign without login user can't access the panel for posting a campaign.

CALL Humanity
Crowdfunding Platform

SEARCH CAMPAIGNS CATEGORIES HOW IT WORKS

Create Campaign



Click to select an image
The image must be greater than or equal to: 2MB - 800x400

Campaign Title

Choose a category

Campaign Goal
\$

Location

Campaign deadline

* The minimum duration is 7 days. If you want your campaign does not have a deadline, leave blank, it can not be changed.

About the campaign

Create Campaign

CALL Humanity
Crowdfunding Platform

Call Humanity is a Crowdfunding Fundraising platform, it basically helps to raise money large number of amount through a community or channel from lots of individual people. A Person can post a request at Call Humanity for his/her or their projects, venture, business, charity etc

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Categories

- [Animals](#)
- [Charity](#)
- [Community](#)
- [Competitions](#)
- [Creative](#)
- [Education](#)
- [View all →](#)

Links

- [Campaigns](#)
- [Account Settings](#)
- [Log out](#)

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Figure 5.2.6, Create Campaign Page

In figure 5.2.6 fundraiser can post campaign, Why he/she need fund it can describe and post.

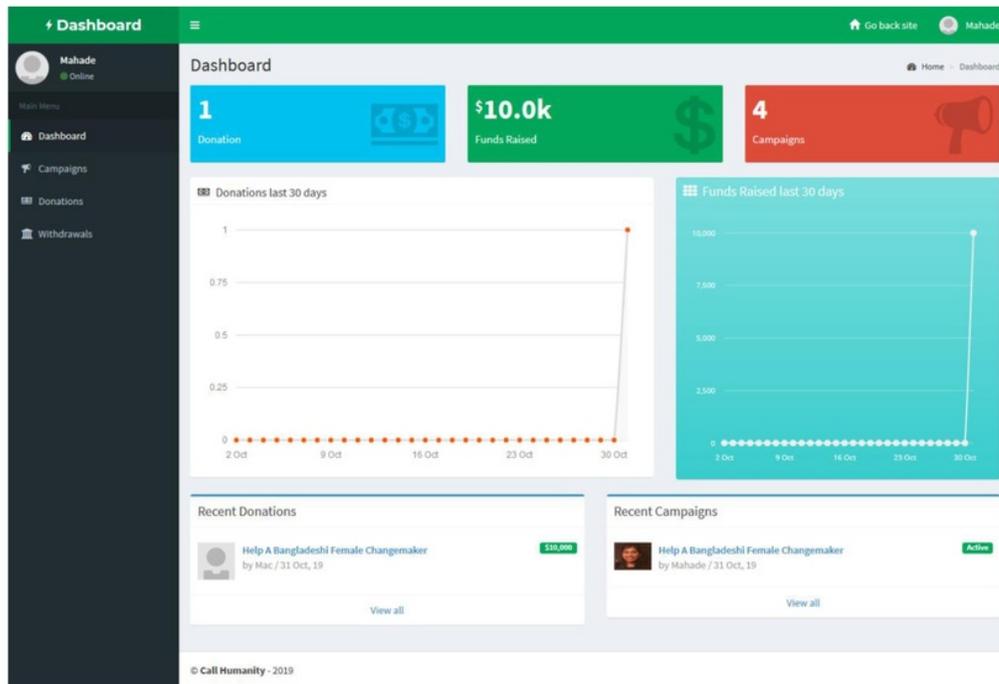


Figure 5.2.7: User Dashboard

1 5.3 Implementation of Interactions

Interactions are the common thing in today's crowd funding system [10]. It happens because of an easy way of communication between donor and receiver. When the user is on a certain page but has to do another thing which is on another activity, then interaction helps us. It should be done such a way that attracts the users.

5.4 Testing Implementation

5.4.1 Testing

Testing is a most important phase of any software system development project. The primary goal of testing is validating the contribution, authenticity, reliability, and quality of the application. This project is to implement a web-based application related to receiver & donor of crowdfunding with a communication system.

1

5.4.2 Unit Test

Every part of application is tested to make sure that the design is exactly completed. This makes us ensure that each part of the application runs as per the requirement.

5.4.3 Unit Test Case

Unit test case can be divided into two parts. Database handler and interface handler. I use some basic functions in our application that's adding post, edit post, and delete post. Database handler will check these three functions. And now our database handler test cases will be like this.

- Donor or Receiver very simply way use can add post or not.
- Donor or Receiver very simply way use can edit post or not.
- Donor or Receiver very simply way use can delete post or not.

5.4.4 Implementation Test

For a software development project most significant & final phase is Implementation. Connect users providing their get real-time data and implement based on user experience.

1

5.5 Test Result and Reports

To enhance a system's proficiency of all the tests and integrations are often completed through server-based mostly computer code approach wherever every error is often found and I try to solve it. I'll be including screenshots of take a look at results of our system in below.

CHAPTER 6

Conclusion and Future Scope

6.1 Discussion and Conclusion

Crowdfunding is will be good platform to communicate fundraiser with donner. At Bangladesh will be more popular & receive this technology as a blessing day by day if some of us can promote perfectly.

I studied more than 20+ crowdfunding website belongs in internet, kickstarter, Indiegogo, Patreon, GoFundMe, Crowdrise, Crowdfunder are most popular in world, I research their process campaign Payment system & business model. I collect requirements from several charity organizations that what type of problem they have been faced at physical crowdfunding & how make my platform easy to use with interactive tools. I'm happy to say that I can do the project as per recipient's requirements using lots of & it can contribute a to them.

I contact with some of my knower people who are donating several times with crowdfunding platform their primary requirements were installing BD payment gateway & keep donner data secret.

I described above everything about my crowdfunding system as you know there include a financial issue there will be some obstacles to live this project without any NGO background. I'm contacting with some of NGO who have operation at Bangladesh, forward them my proposal with business model & they have interest on my project if I could implement everything perfectly.

My idea & project is innovative at 21st century. There are lots of opportunity can provide through this application. I worked with lots of fundraiser & making a list of their problems, try my best to understand the communication can be happening with my application. Hope it will be helpful to everyone.

6.2 Scope of Further Development

I know that the world is moving to digital civilization. Communication system is always a changeable system. The world is developing day by day, getting better and better. Today what we

think this is too good is tomorrow becomes previous old fashion. So, I have to need update this system always. It can useable not only for universities but also for all the crowd funding from all over the world. To fulfill that goal, I have several ideas to do.

- I want to develop this system only for all of the crowdfunding system.
- I want to make this call humanity system more than very easy, suitable, flexible, user friendly, keep update any data the users can always.
- Now it has only email and messaging option to its user but i want to start the voice messaging, video sharing etc.

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