

Crowd Funding Bd

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APPROVAL

This Project titled “CrowdFunding Bd” submitted by Moinul Hassan Siddiquie, Kazi Rubaiyat Shahriar Rahman, Rakib Hossain 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 (BSc) and approved as to its style and contents. The presentation has been held on 07.10.2020

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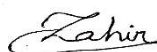
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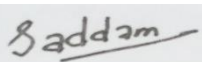
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DECLARATION

We, Moinul Hassan Siddiquie, Kazi Rubaiyat Shahriar Rahman, Rakib Hossain declare that this thesis titled, CrowdFunding and the work presented in it are our own. We confirm that:

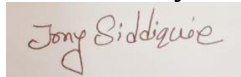
This work was done wholly or mainly while in poor, crisis people in Bangladesh. Where we will know their problem and share their problem. Where we have quoted from the work of others, the source is always given. With the exception of such quotations, this thesis is entirely our own work. Where the thesis is based on work done by ourselves, we have made clear exactly what was done by ourselves individually and we have acknowledged all main sources of help.

Supervised by

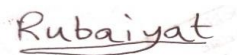


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ABSTRACT

The project Crowdfunding's main aim is to build a helping platform for poor / crisis people. Crowdfunding will be able to manage data of the Bangladeshi people provide easy access to the information. General public can use this system through the web interface. Those who need help should simply register and share the post. They will visit the site, then register and report their problem to us by post, then we will verify it, Once the verification is complete, we will post it on the website. Our main aim is donation based. Our crowdfunding website is free for all. We have a lot of user verification id anyone want to donation or give donation. These are user-friendly and fast. And we are providing one of the best CrowdFunding platforms in bd.

ACKNOWLEDGEMENTS

First, we express our heartiest thanks and gratefulness to almighty God for His divine blessing makes us possible to complete the final year project/internship successfully.

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CHAPTER 1

INTRODUCTION

1.1 Introduction:

Crowdfunding is the system of collecting money via internet typically the purpose of financial, victim venture, business or cause. It is a best way to collect money for victims or business now a days. Crowdfunding has some category. It has reward based, donation based and equity and Profit-sharing / revenue-sharing. In our project we mainly focused donation based and some kinds of reward based. Donation based which collect money for victims as like as who want to be needed. This collecting system is basically event share type. By people sharing event this post get everyone and people provides money. And reward based basically is a type of small-business financing in which entrepreneurs solicit financial donations from individuals. It has a lot of advantages and disadvantages. In online any platform who are collecting money for a reason people check their trustworthy. The crowdfunding is also depending on peoples trust worth. A successful crowdfunding campaign should be innovative. A successful crowdfunding campaign means that people likes the idea because they have invested in it, and that's a great impact of success. In our Bangladesh though many organizations and street people collecting money for their help. But there has no identification and also verification authentication. So, our project has come. And we started to build people trust and it's all about crowdfunding.

1.2 Motivation

We believe that Our project might be very interesting and successful. In our project we mostly focused charity-based donation. We have three members of team. They are very hardworking and motivational guy. When a member faces an any problem, we all are try to solve this. We are flexible of our work. There have some resources that we have collected in our project. These resources are very helpful. We all like receiving recognition for a job well done. It makes us feel good and motivates us to repeat the same standard of work. It is perhaps one of the best and easiest ways to motivate your team. Many of the soft skills required to succeed at crowdfunding are also essential to entrepreneurship in general.

1.3 Objectives

1. To create an engaged, supportive Helpless people's network.
2. To thoroughly investigate and analyze the existing web-based Crowdfunding bd.
3. Maintain updates and current information (i.e. those who need help) for all vulnerable people.
4. To promote the general welfare of the institution.

1.4 Expected Outcome

Crowdfunding is a way to raise funds for a specific cause or project by asking a large number of people to donate money, usually in small amounts, and usually during a relatively short period of time, such as a few months. It's all about donation-based funding, where donors contribute to a total amount for a new project. In this method your contributions simply go towards a charitable cause you'd like to support with the only return being the positive vibes you get from doing a good deed. Funds are typically deposited directly into your bank account daily. We've partnered with Stripe, so setting up a funding account takes only minutes.

1.5 Report Layout

The thesis is organized as follows: Chapter 2 provides a literature review on the problem and how people solved it, software requirement specification. Chapter 3 introduces the methodology, software and hardware requirement of the project. Chapter 4 proposes the front-end design and database design of the project with some results. Chapter 5 is about standards of performance and constraints. chapter 6 conclusion.

CHAPTER 2

BACKGROUND

This chapter will provide a literature review on the problem and how people solved it.

2.1 Introduction

The background of a project is an important document to create an overview of the project activities and goals. In Bangladesh we know there has some trustworthy funding site that they are helping and collecting money. But in our project, we've focused verified option of the helpless who want to get fund. The number of people whose are collecting some money in park, streets. They are no verified person that people can think they are trustworthy. So, in our project we focused both of them. Crowdfunding is the best place to fundraise, whether you can donate and get Fund easily by some verifying options.

2.2 Related Works

In this section we discussed the recent project and related works evolving this area.

- **Go Fund Me:**

GoFundMe is one of the best crowdfunding sites which are collecting money via internet. You can donate individual, group, or organization. This is launched in 2010 the world's largest social fundraising platform. It is an American crowdfunding platform. They share life events like accidental cause, celebrations, graduations etc. Yet they have been raised over \$9 billion. People tell their problem and they started to campaign. Sign up is completely free in their sites. They are doing a great job. But it gets some profit from the site. Many people ask me question is the safe for security and money problem? Their answer is very clear that they keep people trust. The site is completely free. They can easily raise money for you and even make sure that donations go directly to your bank account the way they work.

- Oporajoy:

It is one of the Bangladeshi sites who are doing crowdfunding jobs. The organization does not collect your money process rather they will give your money back safely. You can create campaign and by sharing friend's family and one to another it increases money. Yeas the site has also perform event sharing by social media like Facebook, Twitter, Website, Pinterest, vlog and email sharing. Sign in is completely free and safe. You can take your fundraise money by Bank account with lot of safety and they just focused the main thing that is back money to victims. They also doing a great job.

- Indiegogo:

This is the mixing crowdfunding site. Additionally, Indiegogo doesn't require you to meet your fundraising goal in order to collect. There has some rules and regulations. They get a profit from it. It has some costs. It is best for business platform. It gives both fixed and flexible funding. There also have so many sites in the world. But our job is to focus donation for charity. Because majority of the issues who are collecting money for victims, they have no validation and proof. Rather people choice a validation platform whose are collecting money and give their trustworthy guarantee.

2.3 Comparative Studies

Well Crowdfunding is a way to raise funds for a specific cause or project by asking a large number of people to donate money, usually in small amounts, and usually during a relatively short period of time, such as a few months. It's all about donation-based funding, where donors contribute to a total amount for a new project. In this method your contributions simply go towards a charitable cause you'd like to support with the only return being the positive vibes you get from doing a good deed. Funds are typically deposited directly into your bank account daily. We've partnered with Stripe, so setting up a funding account takes only minutes.

2.4 Scope of the Problem

1. It's more efficient than traditional fundraising.
2. It's a place to build traction, social, proof, and validation.
3. Establishing or strengthening a brand.
4. Increasing membership.
5. Get secure payments and automated donor receipts.
6. Allowing user generated content.
7. Outreaching to your clients or the public.
8. Providing event information.
9. Hosting public or private information resources.
10. Engaging with visitors or potential clients.
11. Different levels of access based on user rights.
12. Integration with social media. It's an opportunity for crowd sourced brainstorming to refine your idea. ... It gains you early adopters and loyal advocates. ...

2.5 Challenges

However, some questions have been raised for this project –How can we think the site is trustworthy? How will do you collect money and how will be the management system? Is it for everyone those who want to get fund? What will do the verified system for the project? How do you raise money for yourself? How long will it take to receive my funds? What is crowdfunding investment?

These are some necessary questions we get. We are focused the future goals of our project.

CHAPTER 3

SYSTEM REQUIREMENT SPECIFICATION

3.1 Functional Requirements

1. Registration

- a. Description: First the user will have to register/sign up. All crisis peoples have to enter their name, id, national id, photo and email to register in this system. There are two different types of users, Admin and crisis people.
- b. user (Crisis people): The user has to provide details about his/her name, national id, photo and email.

2. Sign Up

- a. Input: Detail about the user as mentioned in the description.
- b. Output: Confirmation message of registration and a password will be generated and mailed to his/her valid email address.

3. Login

- a. Input: Enter the id and password.
- b. Output: User will be able to use the features of system.

4. Profile Management

- a. Description: All crisis people have a profile with their details (her name, password, gender, national id, phone and email etc.)
- b. Input: User have to complete login process.
- c. Output: User will be able to use all the features of profile.

5. Add information

- a. Input: Enter the information user want to add such as helping information.
- b. Output: Confirmation of addition will appear in the profile.

6. Post News or Notices

- a. Input: User will write a news or notice and a request will send to admin to approve the notice or news to post it in the news feed.

- b. Output: After confirmation from admin, the news will be in the news feed.

3.2 Non-Functional Requirements

- Availability Requirement

The system will available 100percent for the user and will be used 24 hrs., a day and 365 days a year. The system will be operational 24 hours a day and 7 days a week.

- Efficiency Requirement

Mean Time to Repair (MTTR) - Even if the system fails, the system will be recovered back up within an hour or less.

- Accuracy

The system will accurately provide real time information taking into consideration various concurrency issues. The system will provide 100percent access reliability.

- Performance Requirement

The information will be refreshed depending upon whether some updates have occurred or not in the application.

- Reliability Requirement

The system will run 7 days a week, 24 hours a day.

3.3 UML Design

Here, we have provided UML diagrams of our project based on the UML (Unified Modeling Language) with the purpose of visually representing our system along with its main actors, roles, actions, artifacts or classes in order to better understand, alter, maintain, or document information about our system.

- Activity Diagram: Figure 3.1 is our activity diagram visually presents a series of actions or flow of control in our system.

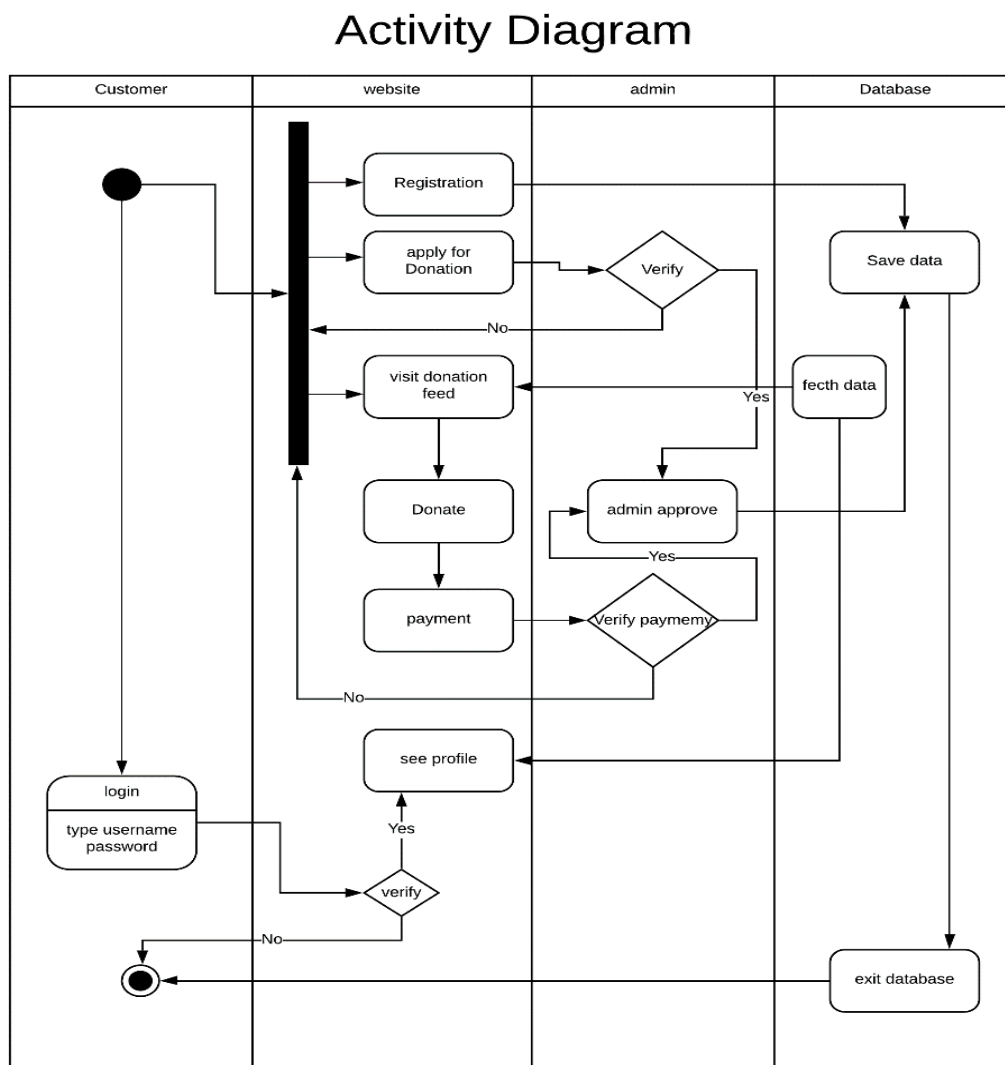


Figure 3.1: Activity diagram - CrowdFunding.

- Use Case Diagram: Here Figure 3.2 we have used use case methodology to identify, clarify, and organize system requirements. We have showed the relationships between and among the actors and the use cases.

- Actor: User

Crowd visitor can access registration, login, profile options.

- Actor: Admin and Visitors

Admin can access admin login option; admin can access the manage request Option, with this feature admin can manage the registration and post notice request from the system.

The visitors can only access the news feed and the crowd directory.

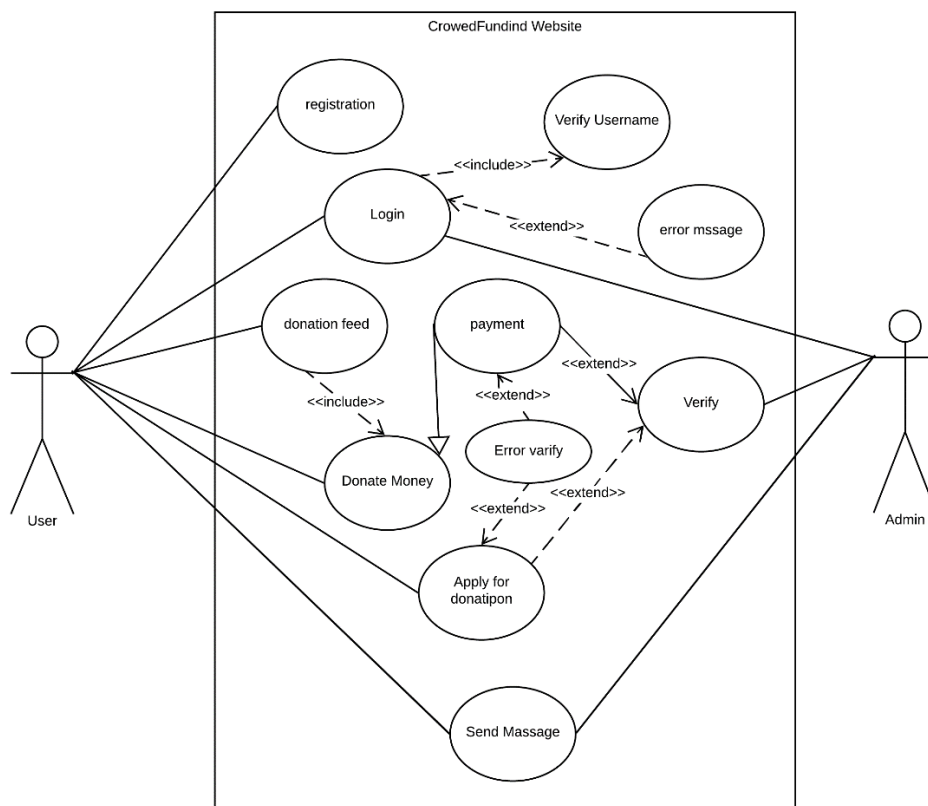


Figure 3.2: Use Case diagram - Crowd Funding Bd.

3.4 Use Case Description Form

3.4.1 Login use case

1. Use case id: 01
2. Use case name: Log In
3. Summary: This use case allows registered user to login into the system to access the relevant functions according to the user's role. To log in to the system, all user has to enter their unique id which is their user id and password. The User have a maximum of 3 attempts to log in after which their accounts are locked and they will have to contact the system administrator to unlock their account upon successful log in the system will display the relevant crowd home page.
4. Rationale: This use case is needed to access to the relevant home page.
5. Users: Primary Actor: User (crisis people), Secondary Actor: None
6. Preconditions
 - (a) User have to be registered.
 - (b) User's has to have a valid id and password.

3.4.2 Registration Use Case

1. Use case id: 02
2. Use case name: Registration
3. Summary: This use case allows a user to register in this system. All users have to enter her name, password, gender, national id, phone and email to register in this system.
4. Rationale: This use case is very important. The user must have to be registered to login in this system.
5. Users: Primary Actor: User, Secondary Actor: Administrator
6. Preconditions:
 - (a) The user must be a citizen of Bangladesh.
 - (b) User must have national identity card.

7. Basic Course of Events:

- (a) The User enters their name, password, gender, national identity, phone and email.
- (b) The User submit registration request to the administrator.
- (c) The administrator verifies their name, password, gender, national identity, phone and email.
- (d) The use case ends.

3.4.3 Post news/ notice Use Case

1. Use case id: 03

2. Use case name: Post news/notice

3.Summary: The users can request to admin to post a notice or news in the newsfeed. Admin can approve the notice and post it in the newsfeed.

4.Rationale: This use case is needed to post a notice/news in the newsfeed.

5. Users: Primary Actor: User, Secondary Actor: Administrator

6. Preconditions:

- (a) The users have to be logged in in the system.
- (b) Go to News/Notice section.
- (c) Write the notice/news.
- (d) Submit it to the administrator.
- (e) Admin verifies the notice and post it in the newsfeed.
- (f) The use case ends.

7. Basic Course of Events:

- (a) Send email “Not valid news to post” to user.
- (b) The use case ends.

8. Alternative Paths: Submit notice/news after verification post it in the newsfeed.

9. Post conditions: The system displays the relevant homepage.

3.4.4 News Feed Use Case

1. Use case id: 04
2. Use case name: News Feed
3. Summary: News feed shows the notices or news published by the institution.
4. Rationale: This use case is needed to show notices/news to all including site
5. Users: Primary Actor: All (Who browses the site), Secondary Actor: None.
6. Preconditions: User have to browse the site.
7. Basic Course of Events:
 - (a) Browsing the site.
 - (b) Go to news feed.
 - (c) See the notices/news.
 - (d) Use case ends.
8. Alternative Paths:
 - (a) refresh the site.
9. Post conditions: See the news feed.

- ER Diagram: This [Figure 2.6], is our entity relationship diagram (ERD) shows the relationships of entity set stored in our database. By defining the entities, their attributes, and showing the relationships between them, this ER

diagram illustrates the logical structure of “CrowdFunding Bd” database.

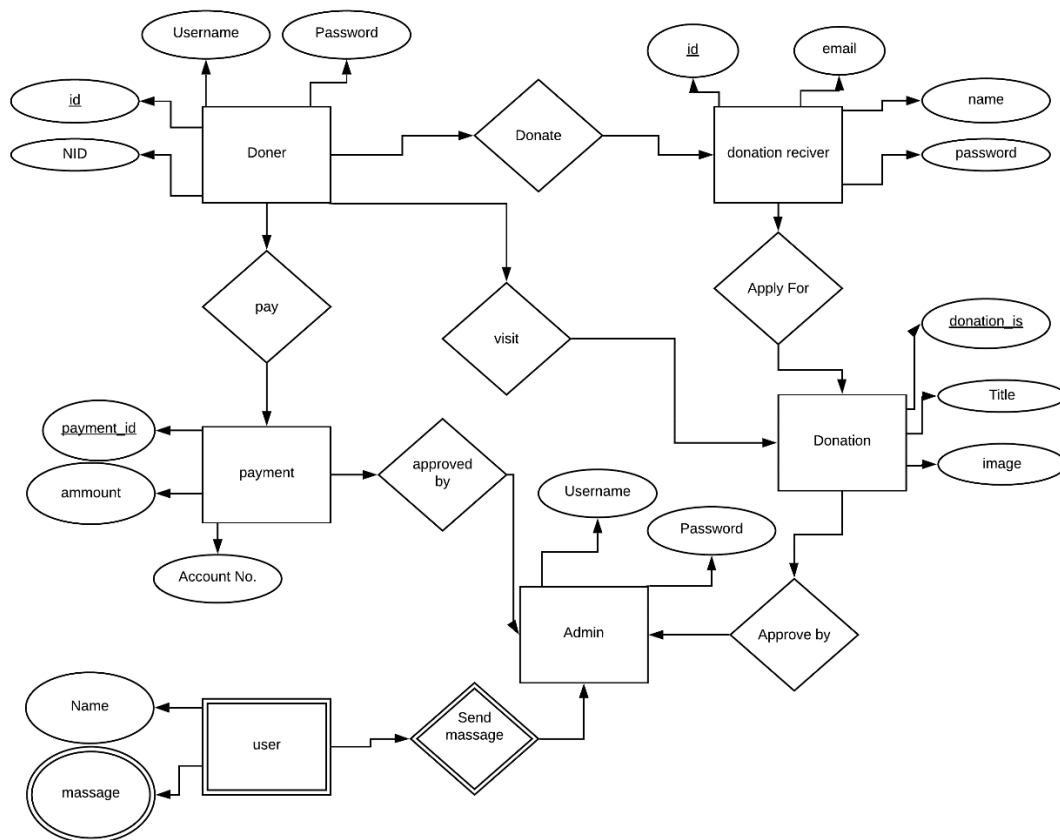


Figure 2.6: ER diagram – CrowdFunding Bd.

3.5 Summary

One of the most important objectives of the establishment of the administration is to link the bridges of practical life with the vulnerable people.

CHAPTER 4

METHODOLOGY

In our project we have focused the user interaction. Because crowdfunding is the one of the most different platforms where trustworthy is very important. Information gaps appeared on many aspects. We got research from so many people that are accepted though. We got some interview type of questions and then we started to look forward. We got few dates from the crowd then we took research on it. There has some illogical meaning where they collect their data. Survey: In our Bangladesh like Dhaka city many of the funds are collecting money or giving charity to another but they have no identical and verification issues. And our survey got many of them fake. So, people want verified options like crowdfunding.

Experiment: We experimented with some number of peoples who are collecting funds and we have talked to them.

Result: Maximum fund was not trust worthy. They had no verified clues. As a nonprofit news organization, our future depends on listeners like you who believe in the power of public service journalism?

4.1 Planning

It is the phase of brainstorming when we gather requirements and analyze all the aspects of a Crowdfunding application. On this phase we have tried to understand the requirements of crowdfunding bd, namely, what exactly our clients want and what issues can occur in the development process.

4.2 Analysis of Existing Solutions

From the evaluation of existing journal papers on "CrowdFunding Bd" we have found some different types of method to solve the problems we have mentioned above [Chapter 3].

4.3 Programming

In our programming phase we will use different language or platform for different development. We have apart our programming phase in 3 part,

- i. Front end

- ii. Back end

- iii. Database operation

For front end programming, we will use HTML, CSS (Bootstrap, Material design) for user interface design. Next for our back-end development we have chosen PHP for all logic and functionality development. In our database system we'll use Microsoft SQL Server for our data store and queries.

4.4 Summary

This chapter is mainly about the system of methods we have used in our system. In this chapter we have discussed about the planning first. After planning we have discussed about the Analysis of existing solution in literature part.

CHAPTER 5

EXPERIMENTAL ANALYSIS AND RESULTS

In this chapter, we will analyze the results of our project "CrowdFunding", we will discuss the results of our web-based project, discuss the feature's frontend design and we will discuss about the features and database connection.

5.1 Database

This database schema [Figure 5.1], is a collection of metadata that describes the relationships between objects of the CrowdFunding and the attributes of the objects in our database. Here we have provided our database schema of our system.

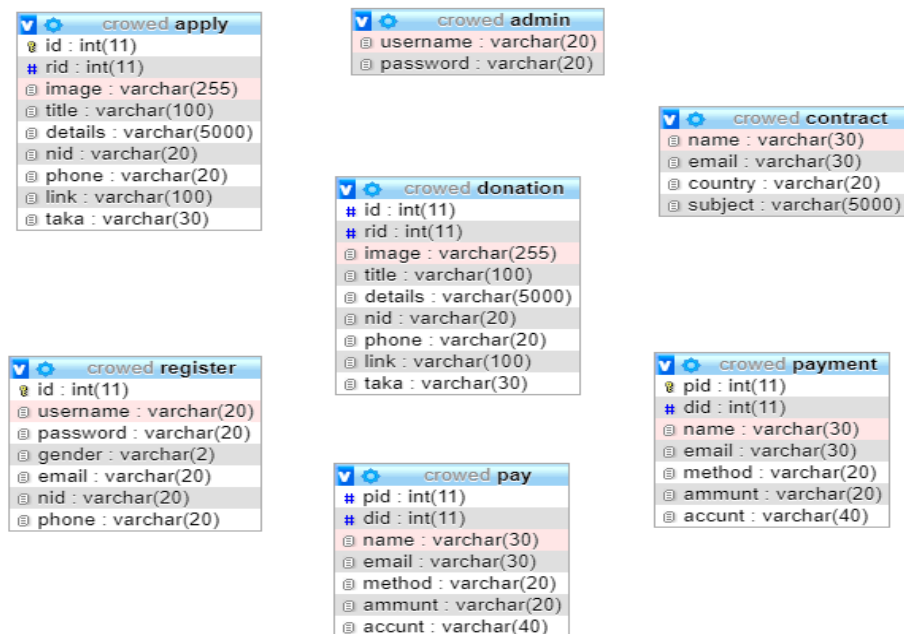


Figure 5.1: Database Schema - Crowd Funding Bd.

5.2 Experimental Results

Here we have provided some Screenshot of our system's pages.

5.2.1 Home Page

This [Figure 5.2], is the home page of our system " CrowdFunding, shows news, log in option etc.



Figure 5.2: Home page - Crowd Funding Bd.

5.2.2 Admin Login

To login to the admin, the admin must enter the username and password. For security purpose we have used session in login / logout.

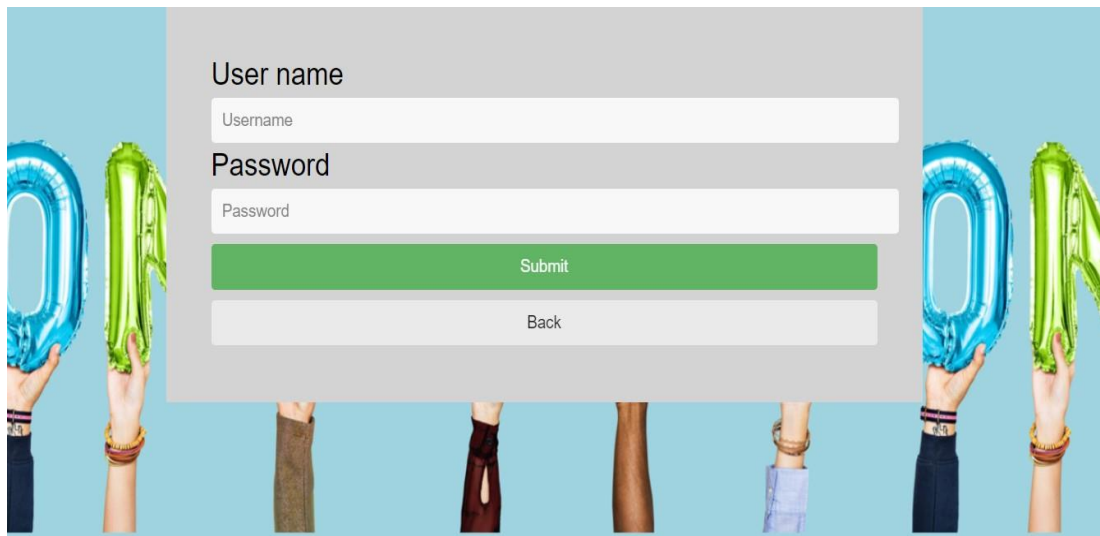
A login form for an admin user. It features a light gray background with a white border. The form contains two input fields: 'User name' with a placeholder 'Username' and 'Password' with a placeholder 'Password'. Below the password field is a green 'Submit' button and a light gray 'Back' button. The form is set against a light blue background with a pattern of hands holding up blue and green balloons.

Figure 5.3: Admin Login Process - Crowd Funding Bd.

5.2.3 User Login

To login to the user, the user must enter the Email Address and password. For security purpose we have used session in login / logout.

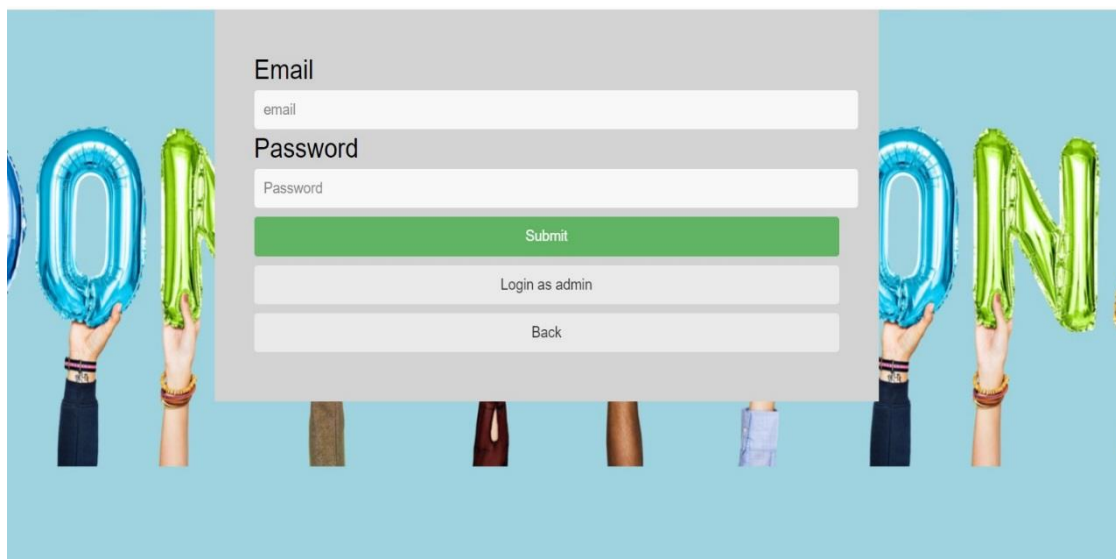
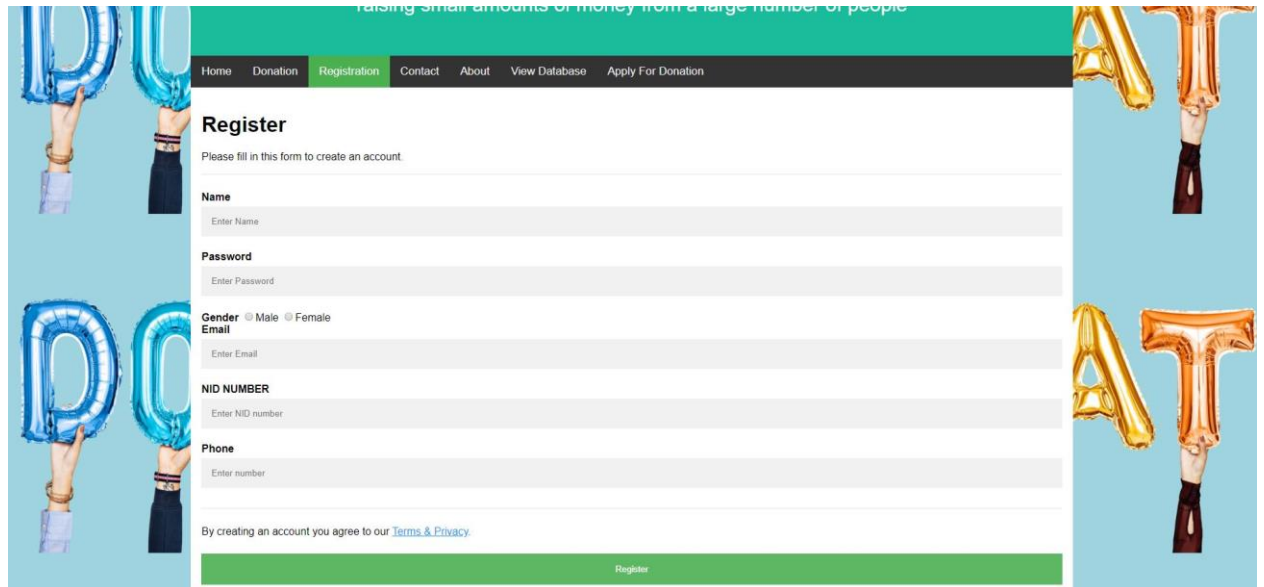
A login form for a regular user. It features a light gray background with a white border. The form contains two input fields: 'Email' with a placeholder 'email' and 'Password' with a placeholder 'Password'. Below the password field are three buttons: a green 'Submit' button, a light gray 'Login as admin' button, and a light gray 'Back' button. The form is set against a light blue background with a pattern of hands holding up blue and green balloons.

Figure 5.4: User Login Process - Crowd Funding Bd.

5.2.4 Registration

This [Figure 5.3], is the first requirement of our system. A CrowdFunding must be registered in this process to log in/sign in in this system. By inserting name, password, gender, national identity, phone and email can register in this system.



The image shows a web browser displaying the registration page of a crowdfunding platform. The page has a teal header with the text "raising small amounts of money from a large number of people" and a navigation menu with links: Home, Donation, Registration (highlighted), Contact, About, View Database, and Apply For Donation. The main content area is titled "Register" and includes the instruction "Please fill in this form to create an account." The form fields are: Name (with placeholder "Enter Name"), Password (with placeholder "Enter Password"), Gender (radio buttons for Male and Female), Email (with placeholder "Enter Email"), NID NUMBER (with placeholder "Enter NID number"), and Phone (with placeholder "Enter number"). Below the form, there is a link to "Terms & Privacy" and a green "Register" button. The page is decorated with blue balloons on the left and gold balloons on the right.

Figure 5.5: Registration Process - Crowd Funding Bd.

5.2.5 Post News

The CrowdFunding can request to admin to post a notice or news in the newsfeed. Admin can approve the notice and post it in the newsfeed [Figure 5.6,5.7].



Figure 5.6: Post News Process - Crowd Funding Bd.

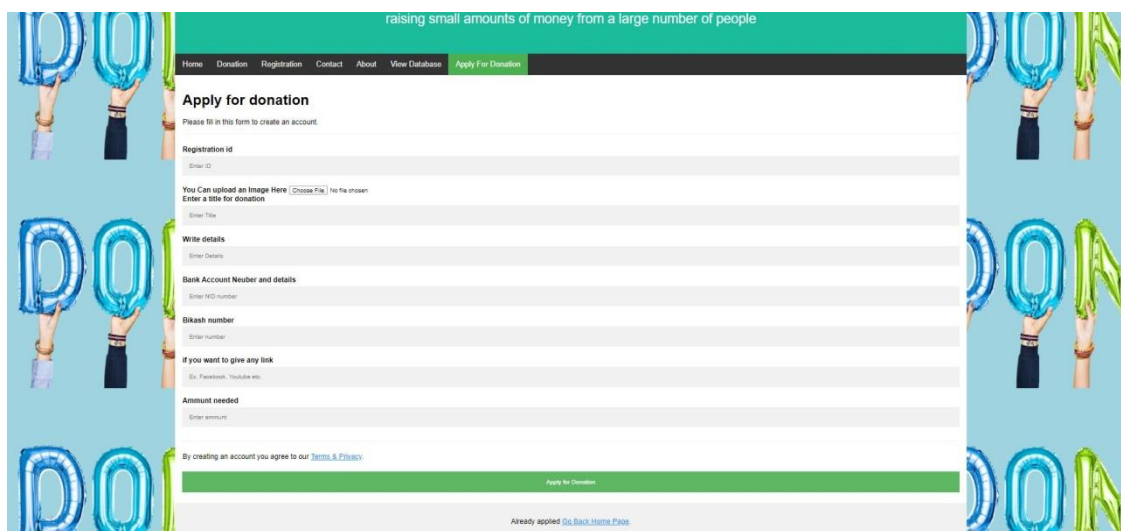


Figure 5.7: Post News - Crowd Funding Bd.

5.2.6 News Requests (Admin Panel)

Admin will authenticate the requests submitted by the user to be registered. Admin will verify the information and after verification admin will accept the requests. Admin will decide the appearance of news submitted by the crowdfunding. Admin can see the requested news and admin can decide if the news will be appeared in the news-feed or not [Figure 5.6].

Please Donate
Be the part of mankind. 100% safe site

Verify Application
You Can Approve And reject Donation application from here

ID :15	TITLE
	Need help For CANSER
	Details
	i nedd some money to buy an
NEED : 20000 Taka	Bank : *****
Phone :+8801676171141	Link :sdfsd
Reject	approve

Figure 5.8: News Requests (Admin Panel) - Crowd Funding Bd.

5.2.7 Donation

User, after completing the donation form, the user will see the following option. This page will have the full details of the user. For example, full details of why and how much money they will need can be found here.

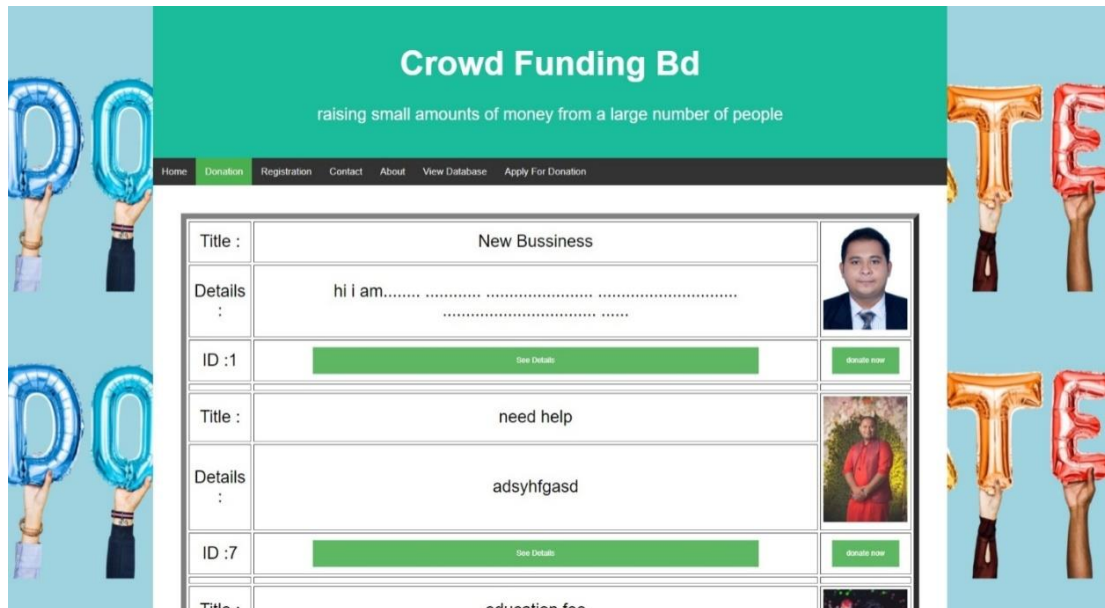


Figure 5.9: Donation Method - Crowd Funding Bd.

5.2.8 User Profile

After the user logs in, he will be able to see his profile. His profile will show how much money he wanted, who is giving him how much money. Even how much money has been deposited in his account.

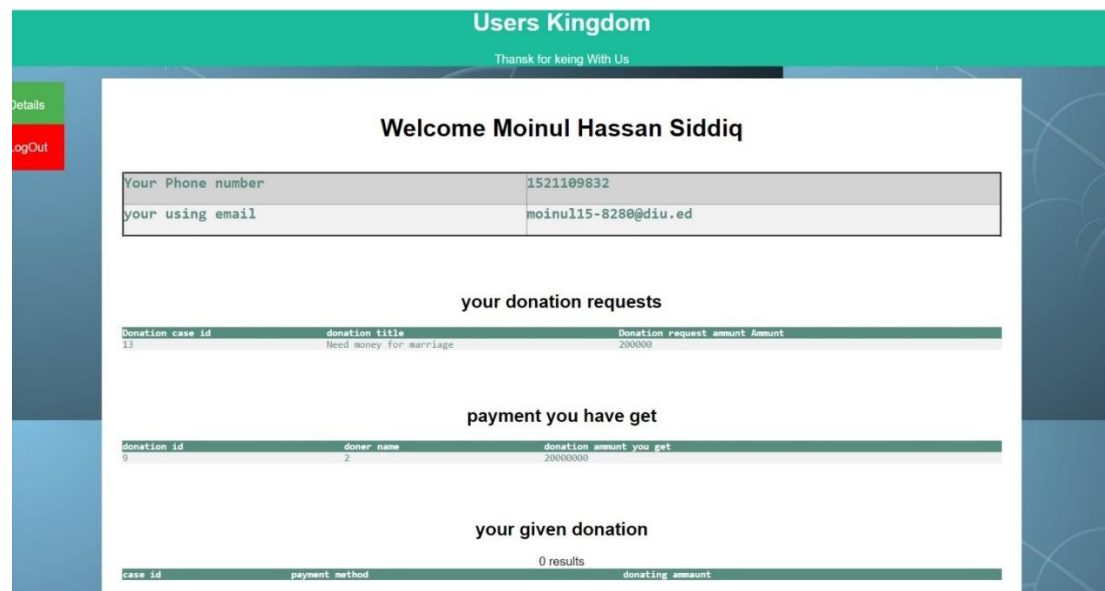


Figure 5.10: User Profile - Crowd Funding Bd.

5.2.9 Payment Method

If you want to donate, first you have to go to the payment option. Then you have to give your name and email address. Then you have to choose how you will pay (Credit card / Master card / Visa card / Bkash or Others). Select the card and give how much money you want to donate. Enter your account number and click the submit button.

You will be notified when the money is deposited (your payment has been successful).

Crowd Funding Bd
raising small amounts of money from a large number of people

Home Donation Registration Contact About View Database Apply For Donation **Payment**

Payment

Thanks For The Help Have a Good Day



Donating ID:
1

Title
New Business

Donation here
Bikash/Rocket:0987654321
Account No :1234567(Bank)

Name
Your name:

Email
Your last name:

payment method
Bkash

Donation Ammount
enter the ammount

You Bikash/Bank Acc. No:
enter account number

Submit

Back

Figure 5.7: Payment Method - Crowd Funding Bd.

5.2.10 Verify Payment

When the client donates, the details will come to the admin. Then the admin will check whether the money has been deposited or not? If money is deposited then admin will approve this process.

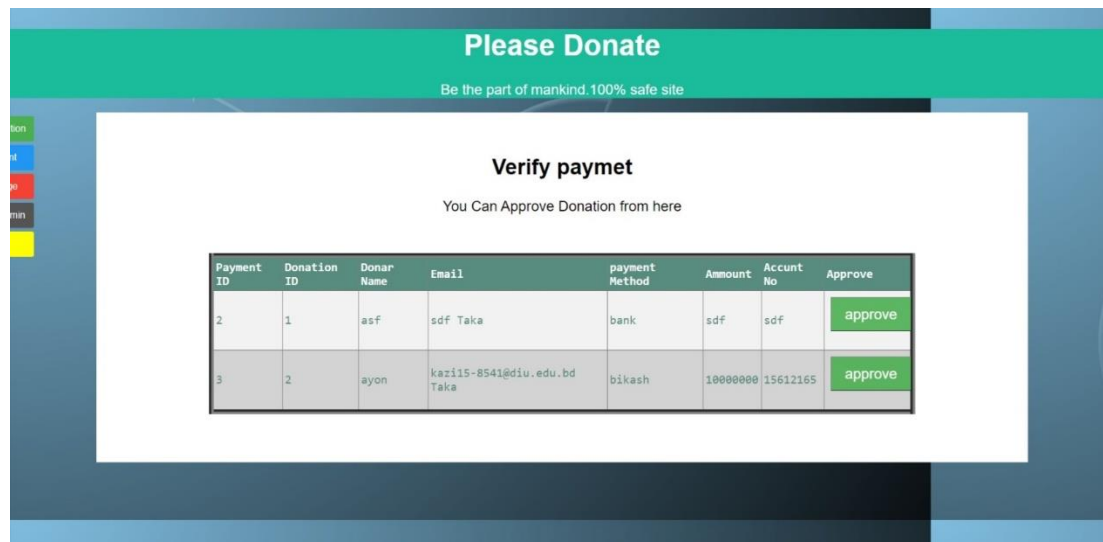


Figure 5.8: Verify Payment - Crowd Funding Bd.

5.3 Summary

In this chapter we have discussed about the experimental analysis and the results. Our project is a web-based application, so we have designed some prototypes of our application's pages, then the results are the responsive designs and establishment of connection with the database.

CHAPTER 6

STANDARDS OF PERFORMANCE AND CONSTRAINTS

In this chapter we will discuss about the standards of performance and constraints.

6.1 Standards of Performance

We have developed our performance standards by focusing on the tasks that have the greatest importance in our project, "CrowdFunding".

1. Vision and Scope Document.

Vision and Scope document defines what our client has in mind and describes the work process to reach our vision.

- i. Accuracy: we have maintained the specific requirements to develop our Vision and Scope documents.
- ii. Timeliness: We provided the documents to our client in time.
- iii. (Customer Satisfaction: Our client was satisfied with our documents.

2. SRS (System Requirement Specification)

We have prepared our Software Requirements Specification for our system [Chapter 3]. Our SRS describes about the functionalities to fulfill our client's needs.

- i. Accuracy: we have maintained the specific requirements to develop our SRS.
- ii. Timeliness: We have provided the SRS to our client in time,
- iii. Customer Satisfaction: Our client was satisfied with our SRS.

3. Screenshot and System Design

We have developed project models and then started to develop our system's front-end design.

- i. Accuracy: we have maintained the specific requirements to develop our systems.

- ii. Timeliness: We have provided the system design to our client in time,
- iii. Customer Satisfaction: Our client was satisfied with our system designs.

4. System Development

In System Development process we have described, designed, tested and implemented our system.

- i. Accuracy: we have maintained the specific features to develop our system.
- ii. Timeliness: We have provided the whole application to our client in time.
- iii. Customer Satisfaction: Our client was satisfied with our application.

6.2 Constraints

Project Constraints affect the success of project. We were very sincere about monitoring and controlling project constraints throughout the project. We have faced seven common project constraints throughout the project.

- Cost: We had to complete our project under a limited budget.
- Scope: We had to develop some features in our project, so, those were the scope constraints of our project.
- Quality: Quality comes with cost. So, when we tried to increase our quality, we have faced some cost issues.
- Customer Satisfaction: Customers are very happy with our project. / We had to earn the customer satisfaction.
- Risk: We had to do our risk management of our project. We reduced risks.
- Resources: Beside team members, tools and equipment are also the resources.

We had to maintain the resources to develop our project.

- Time: We had to complete our project within the given time.

After analyzing the standards of performance and constraints of our project, we are more clear about our goals.

6.3 CONCLUSION AND FUTURE SCOPE

6.3.1 Conclusions

Crowdfunding is going to be an interesting platform now a days. Crowdfunding has become one of the most popular ways for individuals to raise money for a cause, project, or event. People are going to be smart. And we also live a digital age. Crowdfunding has allowed people around the world to raise lots of money for causes they care about. The digital communication systems are going to be increased. People are sharing their unique ideas and are more successful. The crowdfunding industry continues to grow and support a range of causes, projects, events, and situations. Our crowdfunding project will be one of the best projects in Bangladesh. Because of the Internet's widespread reach, crowdfunding enables fundraisers to spread the word about their cause and gain support from those who they may not have otherwise encountered. We mainly focused donation type and reward based. People will find fundraisers, victims and retarder have added successful offline and online events through sharing. We have focused people questions and gave it back with this platform. We got offline and online surveys where people are interacting this. We have added Promo video and created a brand-new Facebook page. We also have added blog posts and impact stories. The system has some particular rules. In our website we have added payment system like payment ledger. You have to follow some rules when you are wanted to do something. We have added create new post, event share and management systems.

6.3.2 Goal

Our goal is to help people who are in need. With our platform anyone can get help from random people and we will stop fake scams.

6.3.3 Limitation

- We don't have any physical office
- Online based program can be hacked
- Trusting our website will be hard and first.

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