

# **BLESSING WEBSITE**

**A PROJECT REPORT  
for  
Mini Project (KCA353)  
Session (2023-24)**

**Submitted by**

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**Submitted in partial fulfilment of the  
Requirements for the Degree of**

## **MASTER OF COMPUTER APPLICATION**

**Under the Supervision of  
Ms. Divya Singhal  
(Assistant Professor)**



**Submitted to**

**DEPARTMENT OF COMPUTER APPLICATIONS  
KIET Group of Institutions, Ghaziabad  
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**( MARCH 2024 )**

## **CERTIFICATE**

Certified that **Aman Kumar Sharma 2200290140025, Aman Chaudhary 2200290140022** has/ have carried out the project work having “**Title of Report BLESSING DONATION WEBSITE**” (**Mini Project-KCA353**) for **Master of Computer Application** from Dr. A.P.J. Abdul Kalam Technical University (AKTU) (formerly UPTU), Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself/herself and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

**Date:**

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This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

**Date:**

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## **ABSTRACT**

This Project revolves around the creation and evaluation of an innovative online Donation Website, aiming to streamline and enhance the process of contributing to charitable causes. The platform prioritizes user-friendliness, ensuring a smooth accessible experience for donors of diverse technical backgrounds. Security is paramount, with robust encryption and secure payment gateways implemented to safeguard financial transactions and foster trust. The website offers a range of payment options, including credit/debit cards, online wallets, and direct bank transfers, catering to the preferences of a wide donor base. Customizable donation campaigns with multimedia elements empower charities and individuals to effectively communicate their goals. Real-time tracking and reporting tools provide transparency, allowing donors to monitor the impact of their contributions. Social media integration amplifies campaign reach, while mobile Responsiveness ensures accessibility across devices. A feedback and ratings system promotes community engagement and continuous improvement.

Leveraging cutting-edge web development technologies, this project aims to contribute to the greater good by using technology to facilitate charitable giving, promote transparency, and empower individuals to make a positive impact

**Aman Kumar Sharma**

**Aman Chaudhary**

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## ACKNOWLEDGEMENTS

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Words are not enough to express my gratitude to Dr. Arun Kumar Tripathi, Professor and Head, Department of Computer Applications, for his insightful comments and administrative help on various occasions.

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**Aman Kumar Sharma**

**Aman Chaudhary**

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# **CHAPTER 1**

## **INTRODUCTION**

At Blessings, we believe in the power of kindness and the profound impact it can have on the world. Our online platform is a haven for those with generous hearts, providing a space where your compassion transforms into meaningful blessings for those in need.

### **1.1 Overview**

A donation website serves as an online hub dedicated to raising financial support for specific causes or organizations. The homepage typically introduces visitors to the mission and impact of the initiative, utilizing compelling visuals and testimonials to evoke emotional engagement. The "About Us" section provides in-depth information about the organization, establishing transparency and building trust with potential donors. Visitors can explore different causes or projects, each accompanied by detailed information about its significance and progress. The platform offers diverse donation options, including one-time contributions and monthly subscriptions, with secure payment methods. Campaigns and events are highlighted to encourage community participation, and a blog or news section keeps donors informed about the organization's activities and successes. Testimonials from beneficiaries and supporters contribute to building credibility, and social media integration helps expand the reach of the initiative by connecting with a wider audience.

### **1.2 Description**

A Donation Website, where every contribution becomes a catalyst for positive change. At BLESSING, our mission is clear: To help the needy People. Your support is not just a donation, it's an investment in a better tomorrow. Our work is driven by a relentless commitment to social causes. We believe in honesty and with your help, we can make a lasting impact on the affected people to help them.

We prioritize transparency. When doner donate the funds, rest assured that your funds go directly towards the helpless people. We believe in accountability and want you to see the real-world outcomes of your generosity.

### 1.3 Key Features

**Engaging Homepage:** Welcomes visitors with visually compelling elements and heartfelt testimonials for emotional connection. Clearly shares the mission and positive outcomes of the initiative.

**About Us Section:** Offers detailed insights into the organization, building trust through transparency. Highlights a strong commitment to social causes.

**Causes and Projects:** Lets visitors easily explore various causes and projects. Gives detailed information about each cause, explaining its importance and progress.

**Flexible Donation Options:** Provides choices for donations, including one-time contributions and monthly subscriptions. Ensures secure payment methods for donor confidence.

**Campaigns and Events:** Features ongoing campaigns and events to inspire community involvement. Encourages active participation in the organization's initiatives.

**Blog/News Updates:** Keeps donors informed about the organization's activities and achievements. Shares updates on how donations are making a meaningful impact.

**Transparency and Trust:** Prioritizes clear communication on fund usage, assuring donors that contributions directly help those in need. Emphasizes accountability, allowing donors to witness the real-world results of their generosity.

**Heartwarming Testimonials:** Showcases testimonials from beneficiaries and supporters to establish credibility. Demonstrates the positive changes brought about by the organization.

**Social Media Connection:** Easily integrates with social media to broaden the initiative's reach. Connects with a larger audience and encourages sharing within social networks.

**Mission Clarity:** Clearly defines the organization's mission, emphasizing that every contribution is a catalyst for positive change. Communicates that support is seen as an investment in creating a better tomorrow.



## 1.4 Objectives

**Get Support:** Collect money through one-time gifts and monthly donations to help different causes.

**Involve Donors:** Encourage people to join in, check out causes, and take part in campaigns and events.

**Earn Trust:** Be open about where the money goes, so donors know their support is making a real difference. Share stories from people who have benefited to show that BLESSING is reliable.

**Bring in the Community:** Promote events and activities to get more people in the community to participate and care.

**Keep Everyone Updated:** Share regular updates on the blog or news section about what BLESSING is doing and how it's helping.

**Connect on Social Media:** Use social media to reach more people and connect with those who want to help.

**Spread the Word:** Let more people know about BLESSING and its mission to attract new supporters.

**Show How Money is Used:** Clearly explain how the funds are used, so donors can see the actual impact of their generosity.

**Encourage Regular Giving:** Inspire people to give monthly to keep the support consistent for ongoing projects.

**Make a Lasting Difference:** Focus on creating a plan that ensures a long-lasting positive change for the people being helped.

**Explain the Mission Clearly:** Help visitors understand exactly what BLESSING is all about and how their contributions are helping create a better future.

## **CHAPTER 2**

### **FEASIBILITY STUDY**

#### **2.1 Technical Feasibility**

Technology Stack Suitability: Checking if our project idea can work with the right technology is super important. We want to make sure the tools and software we need are available, work well together, and won't cause any issues. We also want to check if our project can fit in smoothly with our current systems without causing any problems. Having the right skills is a big deal too. We need to make sure we have the people who know how to set up, use, and keep the technology going. Assess the ease of integration with external services such as payment gateways, third-party API. We've got to look at our computer and internet setup too. Making sure everything is safe and secure is crucial. We're looking out for any weak spots and making sure we put in the right protections to keep our information safe. Sometimes things might go wrong with our tech. We're thinking ahead and planning for those problems so we can fix them quickly.

#### **2.2 Operational Feasibility**

Operational feasibility is like checking if our project idea makes sense and is doable in our day-to-day operations. It's all about making sure that the proposed initiative can actually work smoothly within our existing way of doing things.

User Training and Adoption: Evaluate the ease with which end-users, including administrators, can adapt to the API system. Plan for training programs or user guides to facilitate a smooth transition and optimal utilization of the platform. Maintenance Protocols: Define protocols for system maintenance, updates, and bug fixes. Ensure that the module of Payment Gateway structure allows for efficient troubleshooting and updates without disrupting the overall operation of the website. Operational Scalability: Consider how well the operational aspects of the platform can scale as the user base and transaction volumes increase. Assess the API stack's ability to handle concurrent users, manage databases efficiently, and adapt to evolving operational demands.

## **2.3 Economic Feasibility**

Initial development costs: Consider expenses related to website design, programming, and initial setup. Factor in hosting, security, and regular updates to ensure the website's functionality and security. Payment Processing Fees: Evaluate the fees associated with payment processing services. Popular payment gateways typically charge a percentage of each transaction plus a fixed fee. Marketing and Promotion: Budget for marketing efforts to attract donors. This may include online advertising, social media campaigns, and search engine optimization.

Legal and Compliance: Understand legal requirements and compliance standards for fundraising websites in your region. Budget for any necessary legal consultations and compliance-related expenses. User Acquisition and Retention: Assess the cost of acquiring and retaining users. This may involve strategies such as email campaigns, content creation, and user engagement initiatives. Technology Upgrades: Account for future technological advancements and potential upgrades to keep the website competitive and up-to-date. Administrative Costs: Consider costs associated with administrative tasks, such as customer support, managing donor information, and ensuring data security. Revenue Streams: Identify potential revenue streams, such as transaction fees, subscription models, or partnerships with other organizations. Be transparent about any fees associated with the donation process. Donor Trust and Security: Invest in robust security measures to protect donor information and build trust. A secure website is crucial for maintaining a positive reputation.

## CHAPTER 3

### SYSTEM ARCHITECTURE

#### 3.1 Data Flow Diagram

##### CONTEXT LEVEL DIAGRAM

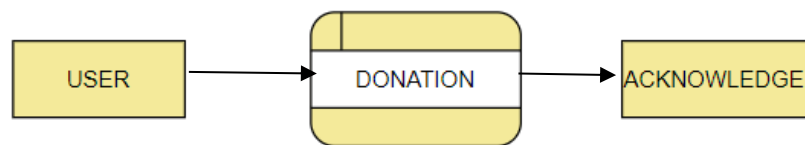


Fig 3.1.1 Level 0 DFD

### First Level DFD

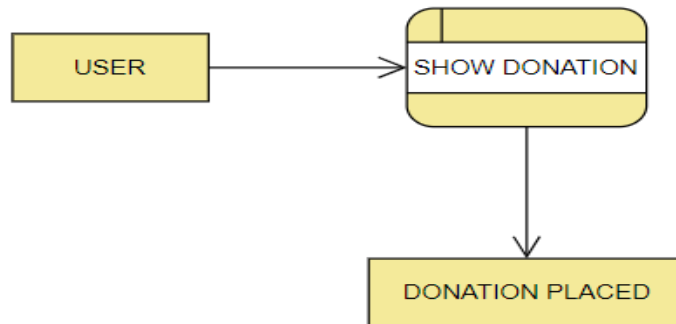


Fig 3.1.2 Level 1 DFD

## Second Level DFD

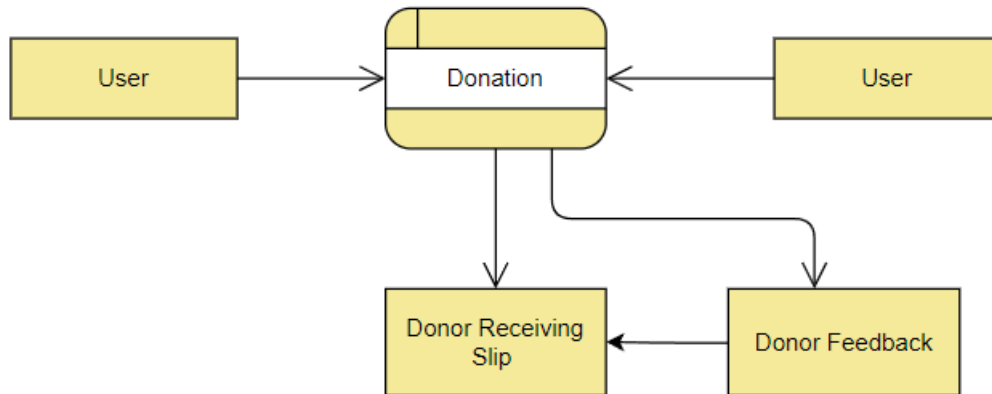


Fig 3.1.3 Level 2 DFD

### 3.2 Use Case diagram

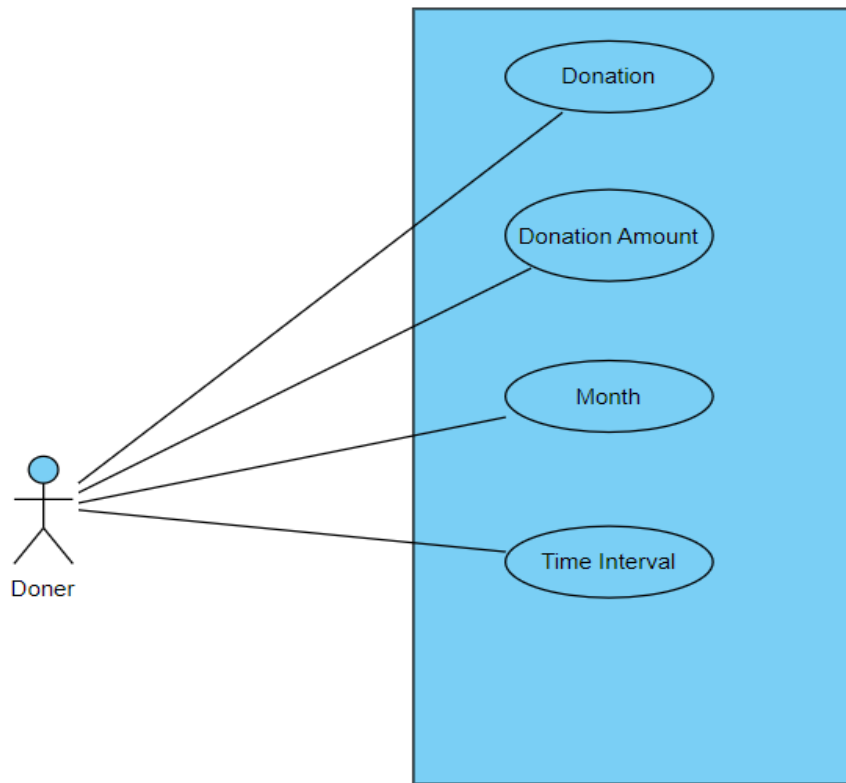


Fig. 3.2.1 User Use case diagram

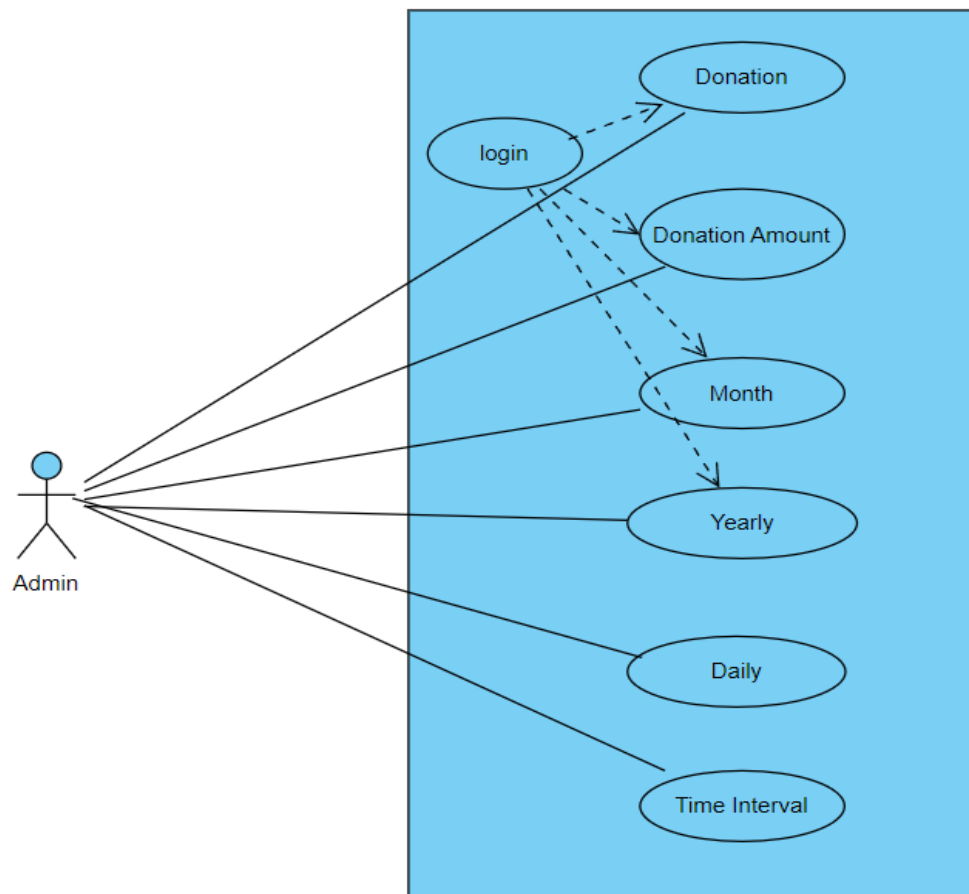


Fig. 3.2.2 Admin Use case diagram



### 3.3 ER Diagram



Fig. 3.3 ER diagram

## CHAPTER 4

### Website Preview

#### 4.1 Home Page

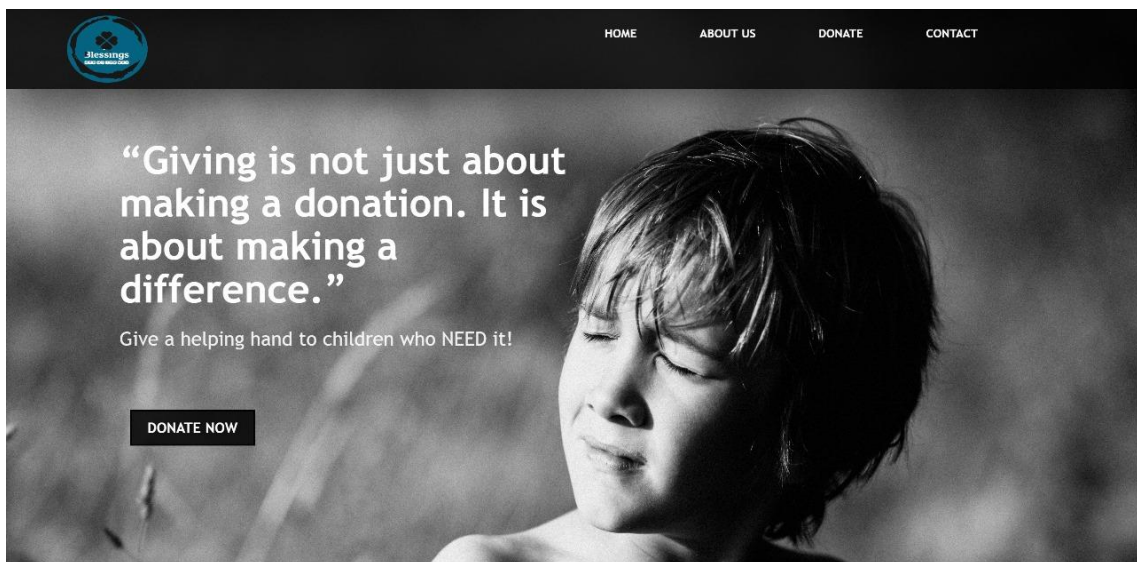


Fig 4.1 Home Page

On the above figure we can see the home page of the app. It includes functions like navbar, having Home Tab , About us Tab, Donate Tab , Contact Tab . Donar who visit the website can read about our vision and goal and can donate .

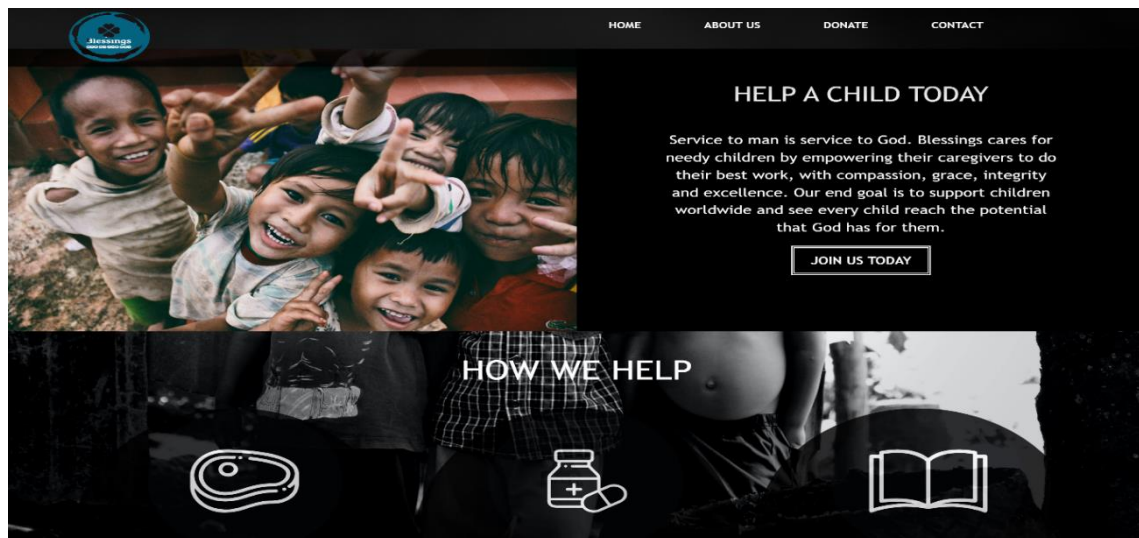


Fig 4.2 Home Page

## 4.2 Help Information

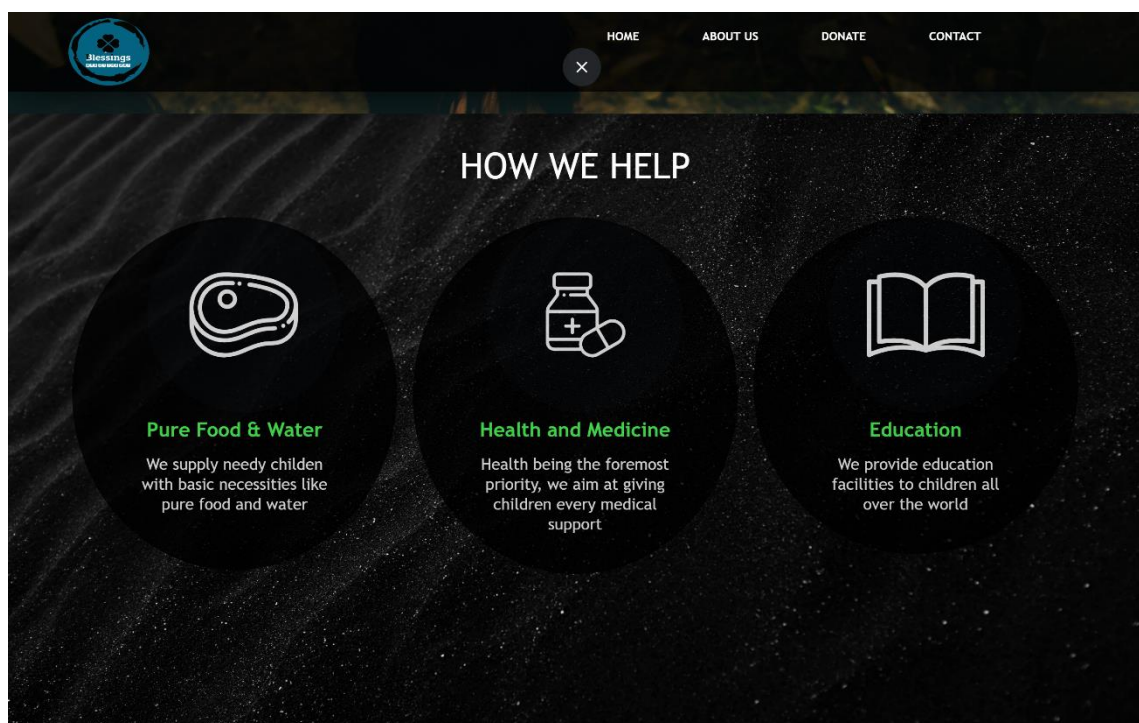


Fig 4.2 Help Information

On the above figure we are showing what support are we providing to the needy ones .

### 4.3 Donation Page

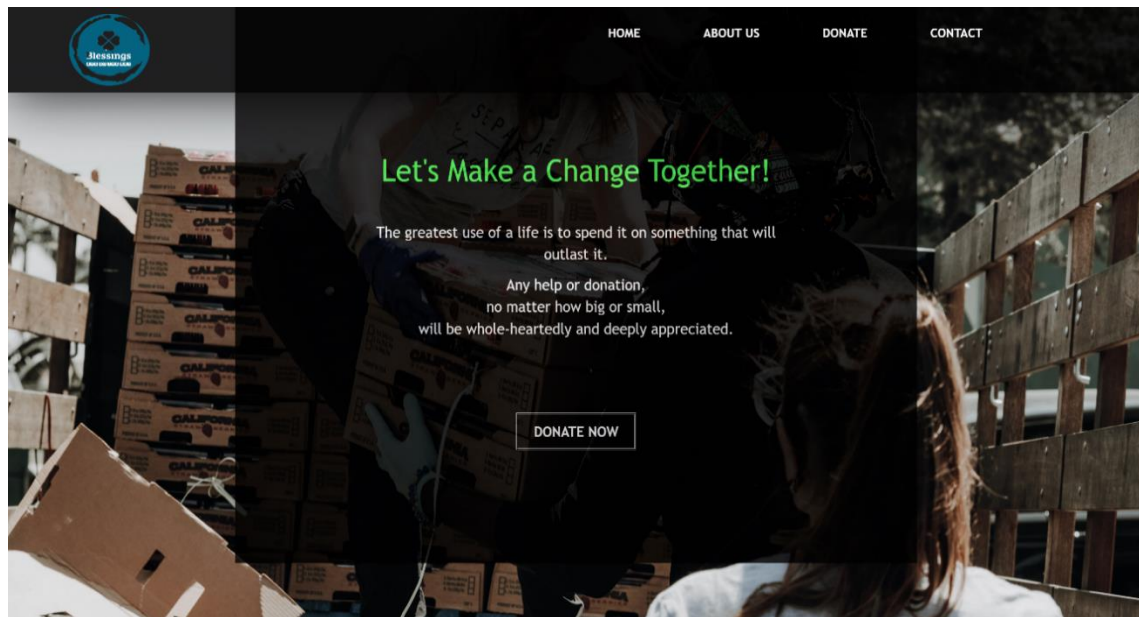


Fig 4.3 Donation Page

On the above figure we can see the donation page where by clicking on “DonateNow” button we can enter to donation process.

### 4.4 Donor Details

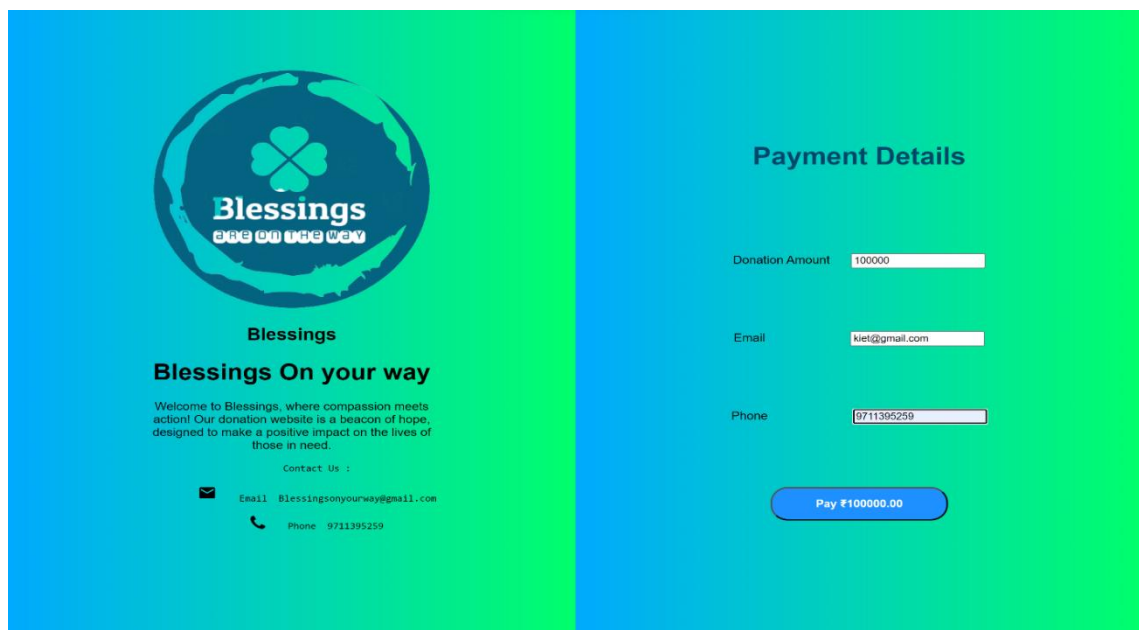


Fig 4.4 Donor Details

On the above figure we can see the donor details page where we can take information of the donor.

## 4.5 Payment Gateway

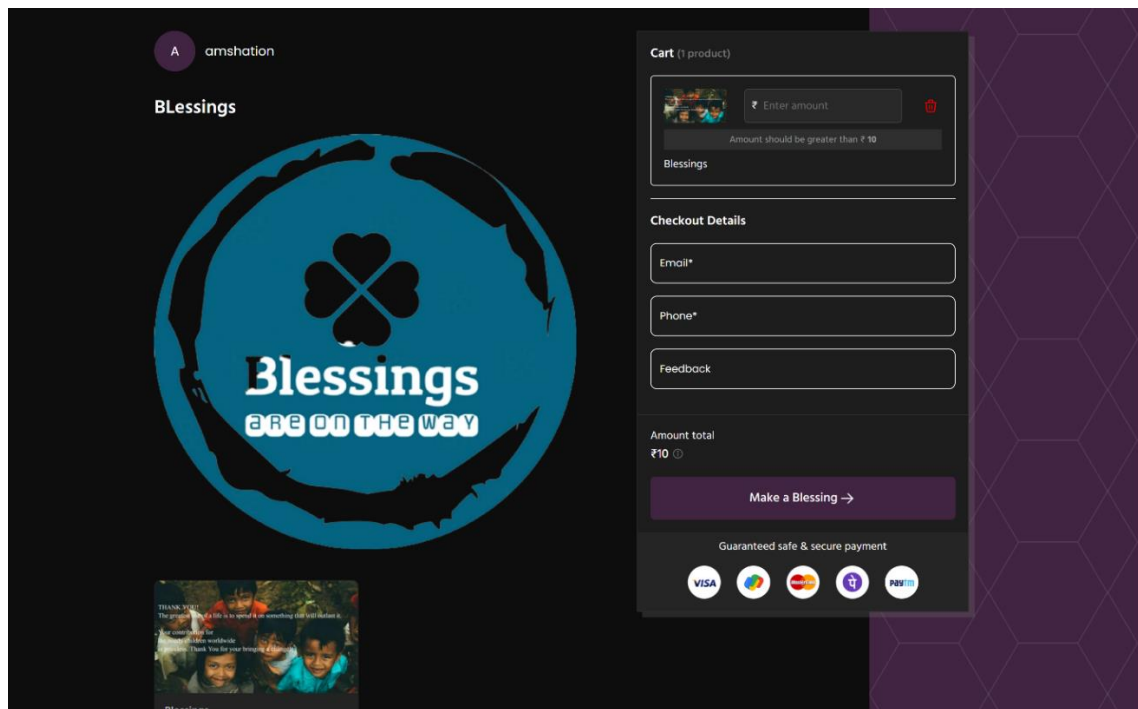


Fig 4.5 Payment Gateway

On the above figure we can see the Payment Gateway page where a donor can donate through many payment methods .

## CHAPTER 5

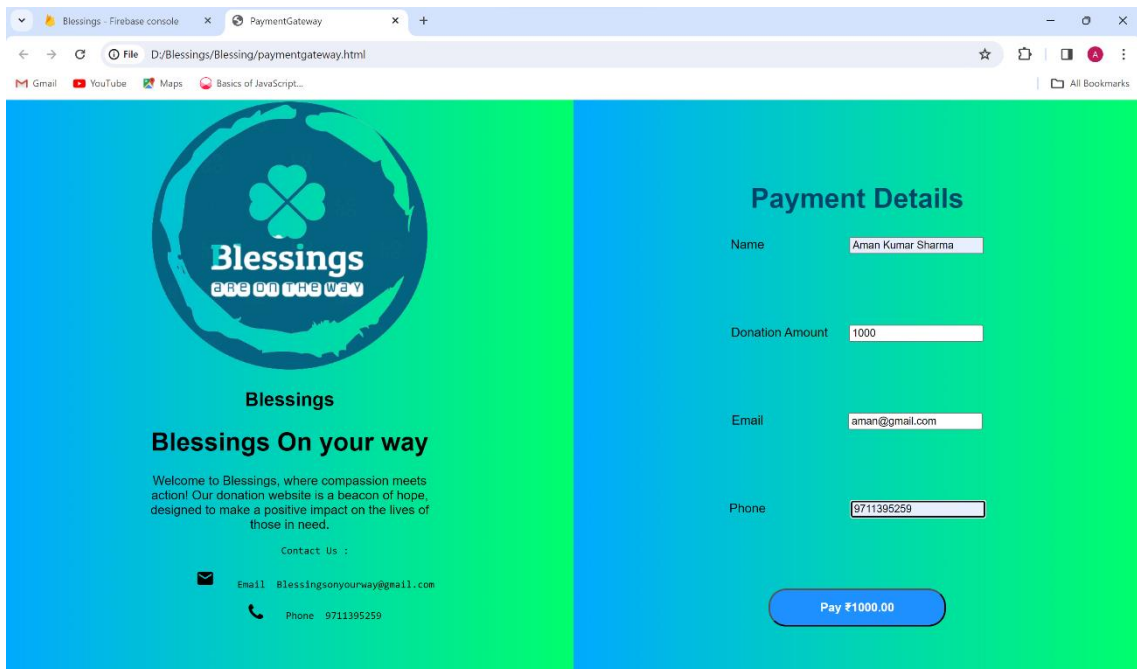
### TESTING

Testing is a critical phase in the development of a Project. It ensures that the application functions as expected, performs well, and meets the requirements of users. Here's an overview of the key testing areas for Blessing project.

#### 5.1 Unit Testing

This testing is used for testing individual units or modules in the project.

##### 5.1.1 Backend(User Details form to Firebase )



The screenshot shows a web browser window with the following content:

- Left Sidebar:**
  - Logo: A circular logo with a green background, a white heart, and the text "Blessings ARE ON THE WAY".
  - Text: "Blessings Blessings On your way"
  - Text: "Welcome to Blessings, where compassion meets action! Our donation website is a beacon of hope, designed to make a positive impact on the lives of those in need."
  - Contact Us:
    - Email: [Blessingsonyourway@gmail.com](mailto:Blessingsonyourway@gmail.com)
    - Phone: 9711395259
- Right Section (Payment Details):**
  - Title: "Payment Details"
  - Form Fields:
    - Name:
    - Donation Amount:
    - Email:
    - Phone:
  - Pay Button:

## 5.1.2 Database

The screenshot displays the Firebase Realtime Database console in a web browser. The browser's address bar shows the URL: `console.firebase.google.com/u/0/project/ blessings-7ca1c/database/ blessings-7ca1c-default-rtdb/data/~2F`. The page title is "Realtime Database" under the "Blessings" project. The left sidebar contains the Firebase logo and navigation links: "Project Overview", "Storage", "Realtime Database" (highlighted), "What's new", "Extensions", and "Product categories". The main content area shows the "Data" tab with a tree view of the database structure. The root node is `https://blessings-7ca1c-default-rtdb.firebaseio.com/`, which contains a `user` node. The `user` node has a child `Aman Kumar Sharma` with the following properties: `Amount: "1000"`, `Email: "aman@gmail.com"`, `Name: "Aman Kumar Sharma"`, and `PhoneNumber: "9711395259"`. A security warning at the top of the main area states: "Protect your Realtime Database resources from abuse, such as billing fraud or phishing" with a "Configure App Check" link. At the bottom, it indicates the "Database location: United States (us-central1)".

Realtime Database

Protect your Realtime Database resources from abuse, such as billing fraud or phishing [Configure App Check](#)

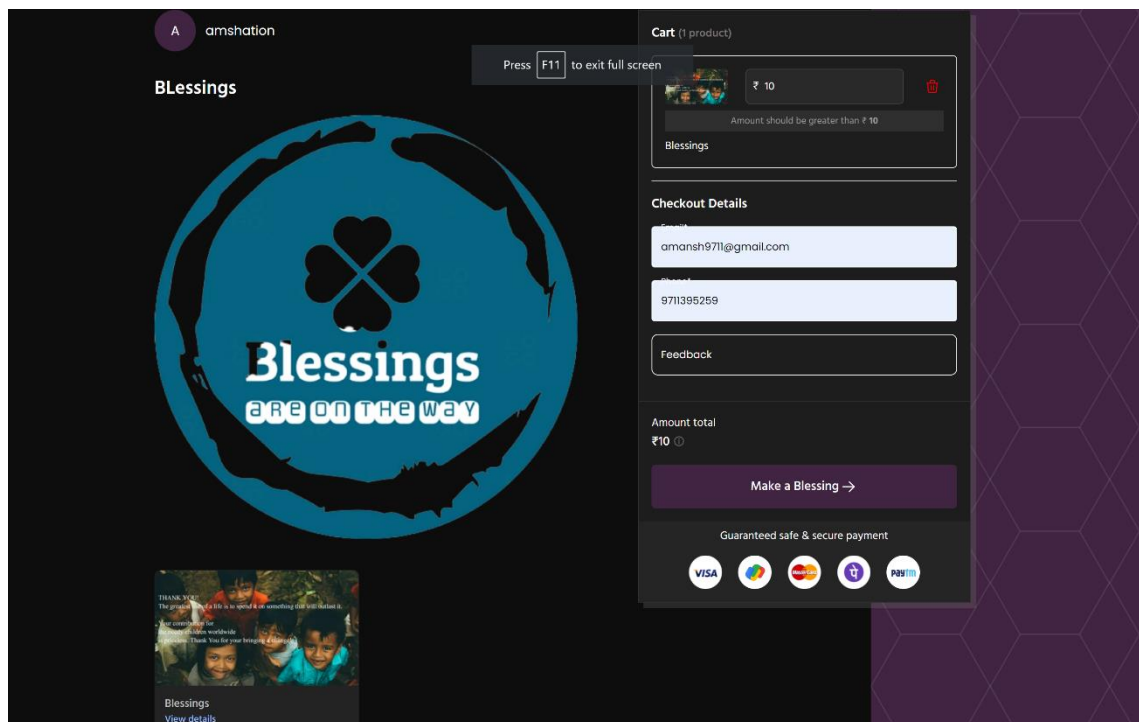
`https://blessings-7ca1c-default-rtdb.firebaseio.com/`

```
https://blessings-7ca1c-default-rtdb.firebaseio.com/  
├── user  
│   └── Aman Kumar Sharma  
│       ├── Amount: "1000"  
│       ├── Email: "aman@gmail.com"  
│       ├── Name: "Aman Kumar Sharma"  
│       └── PhoneNumber: "9711395259"
```

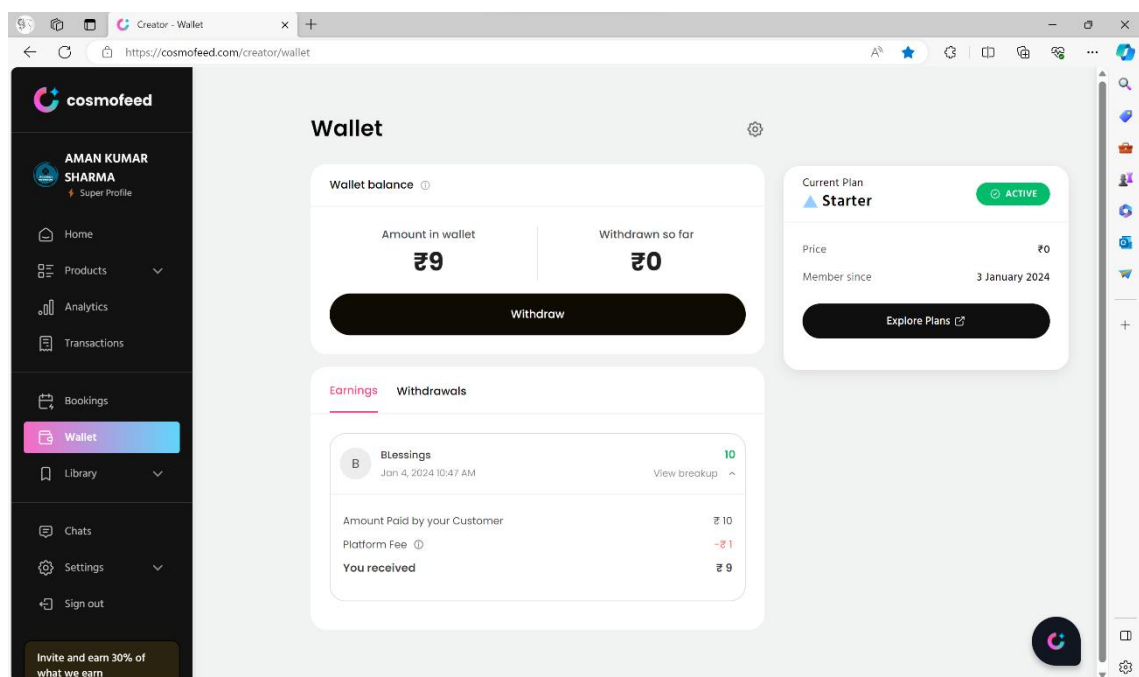
Database location: United States (us-central1)



### 5.2.1 Making a new payment



### 5.2.2 Payment Received





## **CHAPTER 6**

### **CONCLUSION**

In conclusion, our donation website represents a vital platform for facilitating generosity and philanthropy. Through the seamless integration of HTML, CSS, JavaScript, Firebase, and a secure payment gateway, we have created a user-friendly interface that empowers individuals to make a tangible impact on various causes and initiatives.

We extend our heartfelt gratitude to all visitors and donors who contribute to our mission. Your support not only fosters positive change but also underscores the collective power of compassion and community. As we continue to evolve and expand our reach, we remain committed to transparency, accountability, and the relentless pursuit of social good.

Join us in our endeavor to make a difference one donation at a time. Together, we can create a brighter and more equitable future for all. Thank you for your unwavering support and dedication to our cause.

## **BIBLIOGRAPHY**

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Smith, John. The Power of Giving: How Donations Can Change Lives. Publisher Name, Year.

### **Academic Journal:**

Johnson, Sarah. "Online Fundraising: Strategies for Success." Fundraising Today, vol. 15, no. 4, 2022, pp. 22-35.

### **Online Resource:**

Charity Commission for England and Wales. "Charity Fundraising Guidelines." [URL], Accessed on February 24, 2024.