Green University of Bangladesh
Department of Computer Science and Engineering (CSE)
Faculty of Sciences and Engineering
Semester: (Fall, Year:2023), B.Sc. in CSE (Day)

Lab Project Proposal

Course Title: Software Testing & Quality Assurance Lab
Course Code: CSE-454   Section: D-8

TITLE OF THE PROJECT: DONATION WEBSITE AND MANAGEMENT SYSTEM.

Student Details

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Submission Date   **: 06.11.2023**
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Lab Report Status
Marks: ……………………………   Signature:....................
Comments:..   Date:..............................

TITLE OF THE PROJECT: DONATION WEBSITE AND MANAGEMENT SYSTEM.

ABSTRACT: Our project is a web-based application which is about helpless people who are the only earning member in his family, we are trying to make them zero to something. There are many helpless families in our society where the only earning member is indigents, we are making them zero to something for support the helpless family. There are many foundations or charity in our society but they are help them by giving cloth, some money or some food but they are not helping them to make them something. We are helping pavel Mia, MD. Shoaib is general public who tell us about pavel Mia, then we are helping pavel to catch a business so that he can take care of his family. We are working through web application, we can know about the helpless people through our website, If the general public wants to let us know about the helpless people, they will inform us. If people want to donate for helpless people they can donate, contact with us and discuss about donation from this website. This website also allows the general public to know about the helpless people and if they want, they can help them. So, this web application is very useful for helpless people and we always trying to make them zero to something.

INTRODUCTION: There are many helpless families in our society where the only earning member is indigents, we are making them zero to something for support the helpless family. Basically, we are wanting to make a website to donate helpless people and we are trying to make them zero to something. This website also allows the general public to know about the helpless people and if they want, they can help them. We are helping pavel Mia, MD. Shoaib is general public who tell us about pavel Mia, then we are helping pavel to catch a business so that he can take care of his family. There are many foundations or charity in our society but they are help them by giving cloth, some money or some food but they are not helping them to make them something, here something means make them earning member for their family. Because of this the food, clothes and some money provided by the charity organization or foundation run out at a time, so the poor family is again short of food, money and clothes. We will arrange a business without giving them money, because if we give them money, they will spend it, but if we start a small business for them, they will be able to take care of their families.

Contribution for our project:

We are two members in our group- I (S.M. Owadud Rahman Shohan) and Mostak mohosin.

- ❖ Giving idea- S.M. Owadud Rahman Shohan & Mostak Mohosin.

- ❖ Project Block diagram -S.M. Owadud Rahman Shohan & Mostak Mohosin.

- ❖ Abstract of Project Proposal- S.M. Owadud Rahman Shohan & Mostak Mohosin.

- ❖ Project Proposal- S.M. Owadud Rahman Shohan & Mostak Mohosin.

Doing solidarity to empower the helpless people of our society. Make a difference for the people who needs it the most. Creating a future where happiness, wellbeing & fulfilment are at the Centre

of society. We can know about the helpless people through this website, If the general public wants to let us know about the helpless people, they will inform us. We think our project is useable for donate helpless people and we are trying to make them zero to something.

METHODOLOGY:

- ❖ We are using HTML, CSS, JavaScript for our project.

- ❖ Also using Firebase as a database to store data, Visual studio code.

- ❖ Windows, GitHub.

AIMS AND OBJECTIVES:

- There are many foundations or charity in our society but they are help them by giving cloth, some money or some food but they are not helping them to make them self-dependent.

- Ours aims to develop a donation website and management system to help the poor people, making them earning member for their family, we believe that if we can make the poor people self-reliant then the poverty of our country will slowly disappear.

- We are developing a donation website to help poor people, we also developing a management system so that we can keep tracking the donations.

- We hope our donation website and management system will bring us success and It will help to make our country eradicate poverty.

EXPECTED OUTCOME: We are wanting to make a website to donate helpless people and we are trying to make them zero to something. This website also allows the general public to know about the helpless people and if they want, they can help them. If people want to donate for helpless people they can donate, contact with us and discuss about donation from this website. We can know about the helpless people through this website, If the general public wants to let us know about the helpless people, they will inform us. That's all the things happened through our developing website. The admin adds Organization, type of request from the organization The Admin registers the organizations requests on the admin dashboard. The donor can see all organizations requests on the emergency page. The donor can then click on the request and donate any amount they want to through PayPal. The donor can also make enquiries and book for a physical donation with a Zero to something makers Volunteer. The homepage has a book an appointment feature where the user states their full name, email and address, nature of the appointment and the preferred date for the appointment. The admin can also view donations, update delete and edit donor information and view scheduled appointments. The donor also views the donation and know the current location of the helpless people.

TEST CASES OF OUR PROJECT:

Testing my project donation website and management system for usability and integrity is essential to ensure it functions correctly, securely, and meets the needs of its users. Below are some test cases for both usability and integrity testing:

Usability Testing:

User Login:
- Verify that users can log in successfully.

- Check email, and password.

- Only valid users can login.

- If enter incorrect email and password not login the website.

- Test for failed login attempts and appropriate error messages.

User Registration:
- Test the registration process for simplicity and clarity.

- Ensure users can create an account without errors.

- Collect user information, including name, email, and password.

- Validate and store user data securely in a database.

- Generate a unique identifier or user ID for future reference.

Donation Submission:
- Evaluate the process of submitting a donation.

- Ensure that it is straightforward and user-friendly.

Add needy people:
- Evaluate the process of add needy people.

- Ensure that it is straightforward and user-friendly.

- Collect Needy people information, including name, description, and contact details.

- Validate and store organization data securely in a database.

- Generate a unique identifier or organization ID for future reference.

Contract Process Feedback:
- Collect user feedback on the donation process.

- Check if users find it easy to provide comments and suggestions.

Maintenance and Monitoring:

- Regularly update and maintain the website, including security patches and bug fixes.

- Monitor website performance and uptime to ensure a smooth user experience.

- Continuously evaluate and improve the website based on user feedback and emerging technologies.

Integrity Testing:

Data Validation:
- Test for input validation on donation forms.
- Attempt to submit data that doesn't conform to expected formats.

Data Integrity:
- Verify that donated amounts and donor details are stored correctly.
- Check for data corruption during storage.

Data Security:
- Test the system's security measures for data protection.
- Attempt to access donor data without proper authorization.

CONCLUSION: Basically, we are wanting to make a website to donate helpless people and we are trying to make them zero to something. This website also allows the general public to know about the helpless people and if they want, they can help them. If people want to donate for helpless people they can donate, contact with us and discuss about donation from this website. We can know about the helpless people through this website, If the general public wants to let us know about the helpless people, they will inform us.

REFERENCE:

1. **https://codepen.io/DevinWalker/pen/EKRzPx**

2. **https://solvehappy.org/#:~:text=The%20Happiness%20Foundation%20is%20a,in %20technology%2C%20economics%20and%20design.**

3. **https://www.gofundme.com/en-gb**