SAVE THE STREET CHILDREN OF BANGLADESH

PRIYANGBADA MITRA ID: 152-15-6262

MD. MAHADE HASAN ID: 152-15-6289

AND

URMI ROY ID: 152-15-6307

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

Supervised By

Mr. Shaon Bhatta Shuvo

Lecturer
Department of CSE
Daffodil International University

Co-Supervised By

Shah Md. Tanvir Siddiquee

Senior Lecturer
Department of CSE
Daffodil International University



DAFFODIL INTERNATIONAL UNIVERSITY DHAKA, BANGLADESH APRIL 2018

APPROVAL

This Project titled "SAVE THE STREET CHILDREN OF BANGLADESH", submitted by Priyangbada Mitra, ID: 152-15-6262 and Md. Mehade Hasan, ID: 152-15-6289, & Urmi Roy, ID: 152-15-6307 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 8 April 2018.

BOARD OF EXAMINERS

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Dr. Syed Akhter Hossain **Professor and Head**

Department of Computer Science and Engineering Faculty of Science & Information Technology **Daffodil International University**

Dr. Sheak Rashed Haider Noori

Associate Professor and Associate Head

Department of Computer Science and Engineering Faculty of Science & Information Technology **Daffodil International University**

Md. Zahid Hasan

Assistant Professor

Department of Computer Science and Engineering **Daffodil International University**

Dr. Mohammad Shorif Uddin **Professor**

Department of Computer Science and Engineering Jahangirnagar University

Internal Examiner

Internal Examiner

External Examiner

DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Shaon Bhatta Shuvo**, **Lecturer**, **Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

Supervised by:

Shaon Bhatta Shuvo

Lecturer
Department of CSE
Daffodil International University

Co-Supervised by: Shah Md. Tanvir Siddiquee

Senior Lecturer Department of CSE Daffodil International University

Submitted by:

Priyangbada Mitra

ID: -152-15-6262 Department of CSE Daffodil International University

Md. Mehade Hasan

ID: -152-15-6307 Department of CSE Daffodil International University Urmi Roy

ID: -152-15-6289 Department of CSE Daffodil International University

ACKNOWLEDGEMENT

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

We really grateful and wish our profound our indebtedness to **Shaon Bhatta Shuvo**, **Lecturer**, Department of CSE Daffodil International University, Dhaka. Deep Knowledge & keen interest of our supervisor in the field of "**Web Development**" to carry out this project. His endless patience, scholarly guidance, continualen couragement, constant and energetic supervision, constructive criticism, valuable advice, reading many inferior draft and correcting them at all stage have made it possible to complete this project.

We would like to express our heartiest gratitude to **Dr. Syed Akhter Hossain**, Professor and Head, Department of CSE, for his kind help to finish our project and also to other faculty member and the staff of CSE department of Daffodil International University.

We would like to thank our entire course mate in Daffodil International University, who took part in this discuss while completing the course work.

Finally, we must acknowledge with due respect the constant support and patients of our parents.

ABSTRACT

In Bangladesh and all over the world, we provide children a healthy start in life, the opportunity to learn and protection from harm. Basically, the children who are in situations of poverty, illiteracy, disease and social injustice have been focused on this study. The study have been prioritized those children who sleep on streets, railway platforms, bus stations, parks and open spaces, religious centers and around graveyard and in to her public places with no roof in scale. Generally, we have developed our website which provides the protection of the street children. In which they suffer from according to problems. We have a survey with 100 street children from 4 purposively selected areas of the Dhaka city, socio-economic status by the using quantitative method. Findings publish that, the street dwellers had to adopt a very insulting and insecure life on the streets disowned of all basic benefits of life, under certain blackmail of eviction and harassment by the bad people. According to them, housing, food, and lack of jobs are the three most common problems for which they are to seek help and to live in the street for unfamiliar time. For that, volunteers and donators can help street children; we have developed this site on this purpose.

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INTRODUCTION

1.1 Introduction:

Where the problem exists, the world save is a great healer. So, the children of Bangladesh who live in the street have to be saved them from malnutrition, especially from life threatening childhood disease such as pneumonia and diarrhea. Actually in Bangladesh, immediately after their birth children have been facing large challenges because millions of families still live below the poverty line.

1.2 Motivation:

The life of a street child is very complicated. Because, many street children are facing varieties problem every day. Such as Street children turn to narcotics, Child labor, Street children begging, Gender discrimination, Health etc [1]. The weak health of the street children is another big problem. The life of a street child is not more than to have a weak health. The health issue is one of the biggest issues all time of what problems do street children face. The problems of street children are increasing day by day, and there is no proper solution for those problems. Almost some organizations are worked to solve those problems. So, we are created this "SAVE THE STREET CHILDREN OF BANGLADESH" software for try to solve or help this problem.

1.3 Objectives:

The objectives of the proposed system are as follows:

- To provide the cloth to the street children.
- To provide the healthy life to the street children.
- To provide the educational facilities to the street children.
- To provide the medical treatment facilities to the street children.
- User can donate easily and maintain.

1.4 Expected Outcome:

All children in the Bangladesh realize their rights and grow to their full potential as active, respected citizens.

1.5 Report Layout:

The layout of our report is assorted by Chapter1: Discussion about objectives, motivation, expected outcome. Chapter2: Give some information about background of this software such as related works, comparative studies, scope of the problem and challenges. Chapter3: Discussion about the requirement and specification. Chapter4: Discussion about the design of specification. Chapter5: Implementation and testing. Chapter6: Discussion and conclusion scope for further developments.

BACKGROUND

2.1 Introduction:

We have provided opportunities for the street children to study, medical services, food, clothing etc. In this chapter, we have discussed some topic related works, comparative studies, challenges.

2.2 Related Works:

The street children problem is increasing day by day. Whole countries are suffered. So, many organizations are tried to solve this problem. Such as "savethechildren"[2] in England, "savethechildren"[2] in south Africa, "Bangladesh street child foundation" and "Street children activist network"[3] in Bangladesh. And almost some organizations are worked to solve this problem.

2.3 Comparative Studies:

Our software is different from other software. Because, It is easily maintains, security full etc. It is created and used in strong Language php, Jquery, database for Mysql.

2.4 Scope of the Problem:

According to 138th report of "Human Development Index" out of our total population 50 percent is living below the poverty line. The children of this rate represent the absolute lowest level in the social hierarchy. In the world's most densely populated nation, street children do their jobs, sell things and flowers jumping into the traffic of street rather than going to school. With the sweat of their brow some parents can earn less money and some cannot. The rest of them does not intend to earn money also. It is seemed to have 600,000 street children living in Bangladesh, 75% of them lives in the capital city, Dhaka though the population in our country has increased. The number of street children has also increased to an estimated 4 millions [4]. According to UNICEF there are 679,728 street children living in Bangladesh excluding Rohingya children.

2.5 Challenges:

We have faced many problems when we have created this organization. The most of the reason we cannot find out honest volunteers those work selfless for street children because it is very difficult. Properly cannot distribute fund. We can be successfully used or maintained this software, and then we hopefully will be solved in our country.

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling:

Business process modeling (BPM) in "business process management" and "systems engineering" is the activity of "representing processes" of an enter price. So that the current process may be analyzed, improved and automated [5].

3.2 Requirement Collection and Analysis:

Requirements analysis is the first stage in the systems engineering process and software development process. Requirements analysis is critical to the success of a development project. Such as requirements knowledge, collection of requirements, analysis of collection requirements and management of software requirements [6]. Requirements collection plays a key role. Requirements collection is also important for the project management function [7]. Many types of requirement collections such as Interviewing, Foucs Groups, Facilitated Workshops, Nominal Group Technique, Questionnaires and Surveys, Observation, Group Decision Making, Document Analysis etc [8].

3.3 Use Case Modeling and Description:

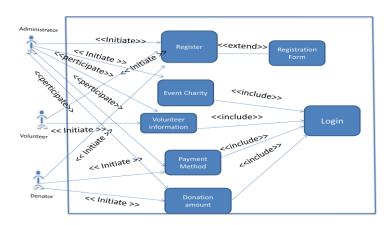


Figure 3.3: Use case

Here, we have shown the details of our Use Case which we have shown above:

Table 3.3.1: Use case description of "Registration".

Name of Use Case	Register
Primary Actor	Volunteer
Secondary Actor	Registration/system
Pre-Condition	None
Secnario	1. Enter the Name & Addess.
	2. Enter the valid Email.
	3. Enter the Valid NID.
	4. Click the "Register" Button.
Post-Condition	Registration Completed or Failed.

Table 3.3.2: Use case description of "Login".

Name of Use Case	Login
Primary Actor	Volunteer
Secondary Actor	Registration/system
Pre-Condition	Go to apply and complete registration
Secnario	1. Enter the valid Email.
	2. Enter the valid password
	3. Click the "Login" Button.
Post-Condition	Show the Successfull or Failed.

Table 3.3.3: Use case description of "Volunteer".

Name of Use Case	Volunteer
Primary Actor	Client
Secondary Actor	NID/system
Pre-Condition	Go to apply
Secnario	1. Enter the valid volunteer information.
Post-Condition	Successfull or Failed.

Table 3.3.4: Use case description of "Donator".

Name of Use Case	Donator
Primary Actor	Administrator
Secondary Actor	Registration/system
Pre-Condition	System
Secnario	1. Enter the donation amount.
	2. Enter the Payment Method.
Post-Condition	Accepted osr Rejected

3.4 Logical data model:

Logical data models act for the abstract structure of a domain information.

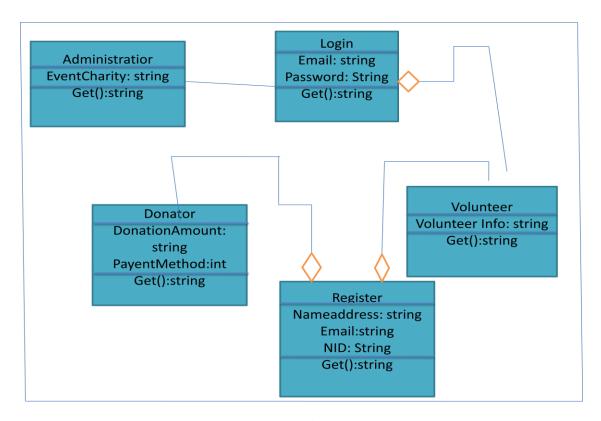


Figure 3.4: Logical data model

3.5 Design Requirements:

For designing purpose, we have used a lot of elements. Some of them are given to below

- HTML: It is used to align and position elements.
- CSS: Attractive and trend Elements on screen.
- JavaScript: It is joining Responsiveness to our site.
- Query: It is used API of JavaScript for adding alterations and mobility's in our website.
- AJAX: Server is fetched data of AJAX (Asynchronous JavaScript and XML) without refreshing our page.

CHAPTER 4 DESIGN SPECIFICATION

4.1 Front-End Design:

Front-end design is a very significant part of the any software. Because, front-end design is the sector that interacts with user. It includes creating HTML and CSS code. The front-end is also called to as the client-side. So, we have efforted in our Front-end design of website.

4.2 Back-End Design:

Back-end design is a very important part of the any software. Because, any site of software is created through the back-end design. Back-end design is also referred to as the server side.

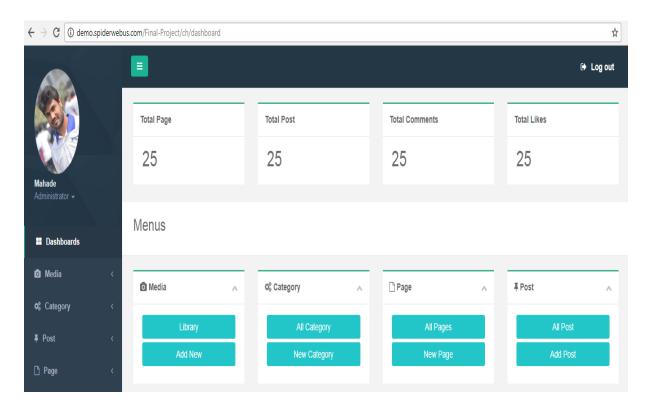


Figure 4.2: Back end design

4.3 Interaction Design and UX:

Interactive Design refers to the structure and behavior of the interactive system. UX means User Experience design. User experience should be focused on the overall experience between the website psd templates.

Our website supports in any browser and fully responsive also mobile friendly.

4.4 Implementation Requirements:

This requirements specification is used to record the client requirements for website development. Such as frontend for html5, css3, Jquery, backend for php(code Igniter framework), Database for Mysql, Fully responsive and any browser supported.

IMPLEMENTATION AND TESTING

5.1 Implementation of Database:

The implementation phase is where we install the DBMS on the required hardware, optimize the database to run best on that hardware and software platform, and create the database and load the data.

The following are steps in the implementation phase:

- Create the Mysql DBMS.
- Tune the setup variables according to the hardware, software and usage conditions.
- Create the database and tables.
- Load the data.
- Set up the users and security.
- Implement the backup regime [9].

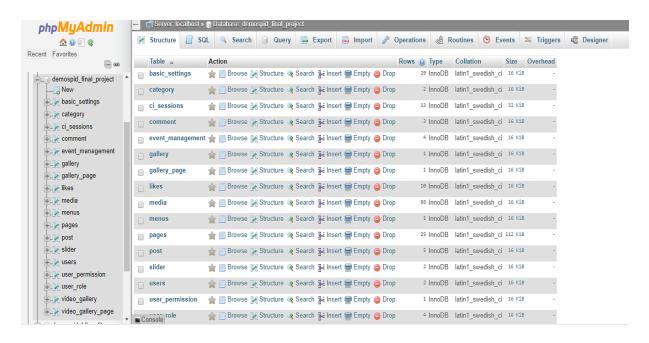


Figure 5.1: Implementation of database

5.2 Implementation of Front-end Design:

Front-end web design is the practice of producing HTML, CSS and usually JavaScript for a website. Web application so that a user can see and interact with them directly. The challenge associated with front-end design is that the tools and techniques used to create the front-end of a website change constantly. So, the developer needs to constantly be aware of how the field is developing.



Figure 5.2: Implementation of front-end design

5.3 Implementation of Interactions:

Our website maintain easily, user friendly any browser supported. User can be interacted in our website. Because, our website has instructiveness.

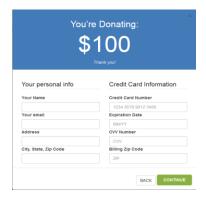


Figure 5.3: Donating form [10]

5.4 Testing Implementation:

Our software is web based, so we are used unit testing in our website. It is also component testing. It is performed on standalone module to check whether it is developed correctly.



Figure 5.4: Login form

5.5 Test Result and Reports:

Table 5.5.1: Registration table

NO		Input		Expected Output
	Name	Email	NID	
	&Address			
1	Valid	Valid	Valid	Home page.
2	Valid	Valid	Invalid	Error. Please enter the Valid NID.
3	Valid	Invalid	Valid	Error. Please enter the Valid Email.
4	Valid	Invalid	Invalid	Error. Please enter the Valid Address.
5	Invalid	Valid	Valid	Error. Please enter the Valid Full Name & Address.
6	Invalid	Valid	Invalid	Error. Please enter the Valid Name & Address and NID.
7	Invalid	Invalid	Valid	Error. Please enter the Valid Name & Address and Email.
8	Invalid	Invalid	Invalid	Error. Please enter the Valid Full Name & Address, Email and NID.

Table 5.5.2: Login table

NO	Input		Expected Output
	Email	Password	
1	Valid	Valid	Home page
2	Valid	Invalid	Error. Please enter the Valid Password
3	Invalid	Valid	Error. Please enter the Valid Email
4	Invalid	Invalid	Error. Please enter the Valid Email and Password

Table 5.5.3: Donator table

NO	Input		Expected Output
	Donation	Payment	
	Amount	Method	
1	Valid	Valid	Home page
2	Valid	Invalid	Error. Please enter the Donation Amount .
3	Invalid	Valid	Error. Please enter the Payment Method.
4	Invalid	Invalid	Error. Please enter the Donation Amount and
			Payment Method.

CONCLUSION AND FUTURE SCOPE

6.1 Discussion and Conclusion:

We have tried to create a good website which is useful to donate for the street children. So, we have made our website very simple and user friendly. So that user can interact with our website. We think that, our website can be helpfully for the street children. Similarity access to easily and every charity needs to work within the framework set by the charity commission and therefore it is essential to have a set of rules and regulations that help with the governance of the charity.

6.2 Scope for Further Developments:

We hope that, in future, our website can be successfully achieved all the described objectives and can be provided to help the street children's in the Bangladesh. Because our volunteer will be distributed in all Bangladesh. Big organizations will be donated helping in our website. In future we will try to add some data mining features to our website to visualize overall data of street children and fund distribution.

APPENDIX

Abbreviation:

```
HTML ----- Hyper Text Markup Language
CSS ----- Cascading Style Sheets
JS ----- JavaScript
DB ----- Database
PHP ----- Hypertext Preprocessor
UX ----- User Experience
```

Here, The Header Codes of our website are given below:

```
| Clockywe heal> | Clock dir"ltr" lang="en"> | Clockywe heal> | Clock dir"ltr" lang="en"> | Clockywe heal> | Clock dir"ltr" lang="en"> | Clock dir"ltr" lang="en" lang="en"> | Clock dir"ltr" lang="en" lang
```

Here, The Menu Codes of our website are given below:

```
<?php
$attr = array(
   'class' => 'navbar-form pull-right'
   'class' => 'sattr);
          );
echo form_open('search',$attr);
          <?php
form_close();</pre>
       d href="http://demo.login
| Login
| </di>| </di>| </di>| </div>| </div </div
     iv>
v class="header-nav">
v class="header-nav">
v class="header-nav-wrapper navbar-scrolltofixed bg-silver-light">
<iiv class="container">
| <nav id="menuzord-right" class="menuzord default no-bg">
       <?php
$primary_logo = get_basic_setting('primary_logo');
$title = get_basic_setting('title');
if (!empty($primary_logo)) {
}</pre>
        <?php $this->get_primary_menu->get_menu('menuzord-menu','dropdown',$active_menu); ?>
     </nav>
</div>
</div>
```

Here, The Login Codes of our website are given below:

Here, The Dashboard Codes of our website are given below:

REFERENCES

To complete the project we need to study from lots of websites. Some of them we given below-

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