

**HUMANCAREGLOBAL INTERNSHIP ON WEB APPLICATION  
DESIGN AND DEVELOPMENT**

**BY**

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**ID: 153-15-588**

This report presented in partial fulfilment of the requirements for the degree of Bachelor  
of Science in Computer Science and Engineering

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**DAFFODIL INTERNATIONAL UNIVERSITY**

**DHAKA, BANGLADESH**

**10<sup>th</sup> December 2019**

## **APPROVAL**

This internship titled “**HUMANCAREGLOBAL**” **AN INTERNSHIP ON WEB APPLICATION DESIGN AND DEVELOPMENT**, submitted by Md. Nobir Ali, ID No: 153-15-588 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 Bachelor of Science in Computer Science and Engineering and approved as to its style and contents. Presentation has been held on 10<sup>th</sup> December, 2019

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## DECLARATION

I hereby declare that, this internship has been done by me under the supervision of **Saif Mahmud Parvez, Lecturer, Department of Computer Science and Engineering, Daffodil International University**. I also that neither this project nor any part of this project has been submitted elsewhere for award of any degree in the world.

### **Supervised by**

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## ACKNOWLEDGEMENT

Firstly I want to give my heartiest thanks and thankfulness to almighty Allah for His heavenly gift makes me conceivable to finish this temporary position effectively.

I might want to offer my thanks and thankfulness to each one of the individuals who gave me the likelihood to finish my task, **Saif Mahmud Parvez, Lecturer, Department of CSE, and Daffodil International University**. Profound Knowledge and unmistakable fascination of my CEO in the field of "Website Design and Development" impacted me to complete this entry level position. His interminable toleration, insightful direction, persistent consolation, consistent and vivacious supervision, helpful feedback, profitable exhortation made it conceivable to finish this internee project.

I would like to express my heartiest thankfulness to **Dr. Syed Akhter Hossain, Professor and Head and Dr S. M. Aminul Haque, Associate Professor & Associate Head**, Department of Computer Science & Engineering, for his kind help to finish my internship and other faculty members and the staff of CSE department of Daffodil International University.

I would might want to thank my all course mates in Daffodil International University, who partook in this talk about while finishing the course work.

Finally, I must acknowledge with due respect the constant support and patients of my parents.

## ABSTRACT

**Humancareglobal** is an online service Organization platform. It has a dream where no human shall be deprived of food, education and employment. Its envision a world where all people will be treated equal, where all voices will be heard and where all people get equal opportunities to develop and prosper-irrespective of their age, sex, sexuality or any other means of distinction. Its believe that youth participation is essential in building such a world and that the inclusion of youth voices and representation is the first step toward a future. Authentic communication, transaction, delivery increases the reliability on overall system and can minimize the fraudulence. To design a handy and professional website for an online service organization. Since my part was to design and development of the front end and the back end of the website only I used some tools to finish my task appropriately.

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# CHAPTER 1

## INTRODUCTION

### 1.1 Introduction

Internship is such an opportunity by which students can learn the professional things. A student can practice and improve their industrial skills. Internship helps professional soft skills such as Communication, punctuality and time management. Internship can be a real confidence builder for a student. The professional learning can help the student to apply it in his academic projects or research as well. The golden opportunity for me that is I needed most has been given by Daffodil International University (DIU). I got the chance to work with some professional peoples in it-firm called “Bangladesh Software Development”. I learn the things I needed in that Company. There was a good environment to learn things such as professionalism, team work, better guideline etc. Here I have worked for the Website Design and Development of any type website such as [humancareglobal.org](http://humancareglobal.org).

### 1.2 Motivation

We have a dream that is where no man or women shall be deprived for food, education, treatment and most important thing that is employment. For this type of service we can change the world. Humancareglobal is a service organization where people will must be get equal opportunity to explore and develop their age, sexuality or any other means of distinction. The motivation what I expected from internship by the company called Bangladesh Software Development. Some employees are lovely people who helped me when I was stopped in my work. They taught me that the things how to relate the work with the learnings. This little thing motivates me a lot to work in an it-firm. Finally taking the first step becoming full-stack web developer in it market. To experience first-hand process of making market targeted design and development.

## 1.3 Objectives

- Learning the related languages in details.
- Earning the customer satisfaction with professional work.
- Identify to solve design and development.
- Best perform in MySQL Database.
- Have gained how to developed website by core-php.
- Requests, Responses, Views, Validationn.
- Best perform in OOP.
- Improve Technical skills.

## 1.4 Introduction to the Company

Bangladesh Software Development establish in 2014, is shape the business with our unique and blend expertise in design, development and client satisfaction which truly transforms the organizations and the brands



Figure 1.4.1: Logo of Bangladesh Software Development (BSD)

Bangladesh Software Development is a technology guided and customer satisfaction company that provides UI/UX design, software, graphics design, e-Commerce, email marketing, sms marketing, Hosting, mobile application and responsive website design and development to global customers across all the industries. They will never stop at improving their services such as including engineering techniques, management practices and developmental methods. The developers of the company can offer the clients customized solutions to suit your need. BSD popular in small customized software. Any company needs a software for better operations and calculations. Their designers are experts in creating templates, logos and icons for smart phones and touch screen devices. Websites and software designed in user friendly simple and faster for task.

## **1.5 Report Layout**

Chapter 1 is introduction. Chapter 1 is covered introduction, motivation, objectives of internship, introduction to the company and report layout. Chapter 2 is Organization. Chapter 2 also covered introduction, product and market situation, target group, SWOT (Strength, Weaknesses, Opportunity, Threats) analysis and organizational structure. Chapter 3 is Competencies and smart plan. This chapter also covered competencies earned, problem solving process, problem debugging, smart plan and reflections. Chapter 4 is Tasks, projects and activities. It is also covered daily task and activity, events and activities, system design, entity relationship, projects task and activities, design and development specification and use case description. Chapter 5 is also covered Conclusion and future work. It also covered discussion and conclusion and scope for further career.

## CHAPTER 2

### ORGANIZATION

#### 2.1 Introduction

Bangladesh Software Development is the pioneers in BANGLADESH because of quality web services, app services and small businesses to compete today's world. Technology brings the easiest method for getting information for higher study. Bangladesh Software Development is a creative if-firm in Bangladesh and it possess the experience and expertise web entrepreneurs to reach the customers expectation and satisfaction across the digital world. The core objectives of this company that is to help business owners in establishing their online existence without insolent challenges of technology. I believe that Bangladesh Software Development is minimizing the effort from the client and maximizing the value of services delivered.

Name of Company: Bangladesh Software Development (BSD)

Address: House # 1/B (level 5th ), Road # 10, Nikunja-02, Khilkheta, Dhaka-1229, Bangladesh.

#### 2.2 Product and Market Situation

Bangladesh Software Development is a market leader of it-sector who is designing and developing websites and also provide isp software, business software, customize software, prescription software, dealership management software, eggs farm management software, inventory and accounting software, freight forwarding software and also provide static and dynamic website online and offline. It market coverage in Bangladesh, Malaysia, Soudiarab,India and USA. It made huge number of dynamic websites such as, [humancareglobal.org](http://humancareglobal.org), [munshiganjdistrictbarassociation.org](http://munshiganjdistrictbarassociation.org), [mitr.robot.ispsoft.com](http://mitr.robot.ispsoft.com), [jaff.org](http://jaff.org), [misha.net](http://misha.net) etc. I have developed three existing dynamic websites [humancareglobal.org](http://humancareglobal.org), [munshiganjdistrictbarassociation.org](http://munshiganjdistrictbarassociation.org). This company also provide hosting, domain registration, logo design and mobile apps.

## 2.3 Targeted group

**Bangladesh Software Development** for the most part target gathering are worldwide gathering, Joint ambition organization the individuals who wants to make their website or redesign their website. Bangladesh Software Development has additionally some instructional class for the understudy who actually needs to find out about web improvement, internet business and subsidiary promoting.

## 2.4 SWOT Analysis

### 2.4.1 Strengths

- Quality full Software and websites provides to the customer.
- This is a pioneer it company in Bangladesh.
- Has a better priority to provide software in the it-sector or it-market in Bangladesh and abroad.
- 95% Customer satisfaction.
- Give high security and better support form other software company.
- Successful track records of developing new products.
- Reliable suppliers.

### 2.4.2 Weaknesses

- High-priced, expert employees are out of budget.
- Everyone do not know this it-firm.
- Not enough facilities for the employees.
- What does it offering to customer isn't exactly clear.
- Financial planning is not done properly.
- Do not want to investment with new technology.
- Maximum employees are junior developer and engineer.

### 2.4.3 Opportunities

- Enough Opportunities to the fresh graduate for job.
- Has opportunities for a intern-employee to take a better experience.
- Friendly environment to gain more than more knowledge.
- Has a OM, Who help to the employees for any query.
- Provide Better Software and websites and it support.
- Government green drives also opens an opportunity to procurement of Bangladesh Software Development products by the state as well as federal government contractors.

### 2.4.4 Threats

- Ransom ware is one of the most frustrating threats.
- Other site preparing organizations in city, rivalry is expanding.
- Expense of indicating media promotions.

## 2.5 Organizational structure

An Organizational structure has some rules, controlled, responsibilities and has some special management system to maintain the company. Figure 2.1 shows the organizational structure of the Bangladesh software development (BSD).

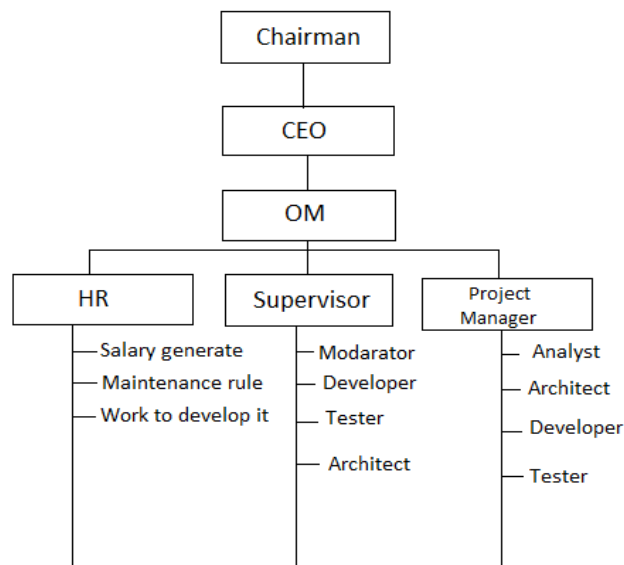


Figure 2.1: Organizational structure

## CHAPTER 3

### COMPETENCIES AND SMART PLAN

#### 3.1 Competencies earned

In my study in Bangladesh Software development, I have learned Front-end design and back-end development. For designing part I have used some tools like as,

1. HTML5
2. CSS3
3. BOOTSTRAP(v3.3.7 )
4. JAVASCRIPT(v3.1.12)
5. JQUERY (v1.12.4 ).
6. OWL CAROUSEL(v2.0.0)
7. FANCY-BOX(v2.1.5)

For developing website I have covered PHP. Now any kind of website I can develop by PHP. Now I am learning laravel. Laravel is the framework of PHP. I also learned from my internship, how to solve problem and how to debug the problem.



### **3.2 Problem solving process**

Problem solving is a most important thing for a programmer. Firstly a programmer wants to try solve a the problem relating to the human life and the real world.

I always try to maintain are:

1. Clearly state the matter.
2. Describe the input and output information.
3. Answer that is general in nature.
4. Test the answer with a spread of information sets.

### **3.3 Problem debugging**

In my internship I have learned a very very important thing that is problem debugging. For a good programmer problem solving is mandatory to learn it. For finding debugging problem I have used the following method:

1. Identify the blunder mistakes for solve
2. Analysing the blunder mistake
3. Study about the problem to solve
4. Fix the bug
5. Delivery the treatment

### **3.4 Smart plan**

As I am a full-stack web developer for that I would be both site concentrate about front-end and back-end. For design and development tools are not enough to increase my knowledge and to gather competencies, so need to more then more practice and I would do that. This skills are depends on exercise and I have done entry level amid my position period and that satisfy my ability to work both site front-end and back-end.

### **3.5 Reflections**

Before start my internship I could not develop any kind of website. I knew the tools and language mid-level and my coding system was very very poor. For take internship experience now I am expert to develop website. Now I can do dynamic any kind of sites. Me things that or I believe that this experience will be very helpful for me to get a job in an it-industry. For doing better successful internship I have also covered some soft-skills such as time management, schedule, team-work, communication, problem find out and solve it. So finally I can tell that and my reflection is that I am very happy to get a chance to take internship in Bangladesh Software Development. I also want to give thanks to my almighty ALLAH for successfully completed my internship on Website design and development. Now I can develop any kind of website within a week. I am expert on this field

## CHAPTER 4

### TASKS, PROJECTS AND ACTIVITIES

#### 4.1 Daily task and activities

Bangladesh Software Development is an extraordinary software company compared to the other company in Bangladesh. In the if-firm I doled out an internship in 6 months. Here I learn website design and development. As a full-stack web developer I practice design and development with related languages. I consistently work in this it-firm from 9:00 AM to 7:00 PM, 4 days in a week. I worked there in a group and sometimes individual and my colleagues are very helpful to learn knowledge.

#### 4.2 Events and activities



### 4.3 System Design

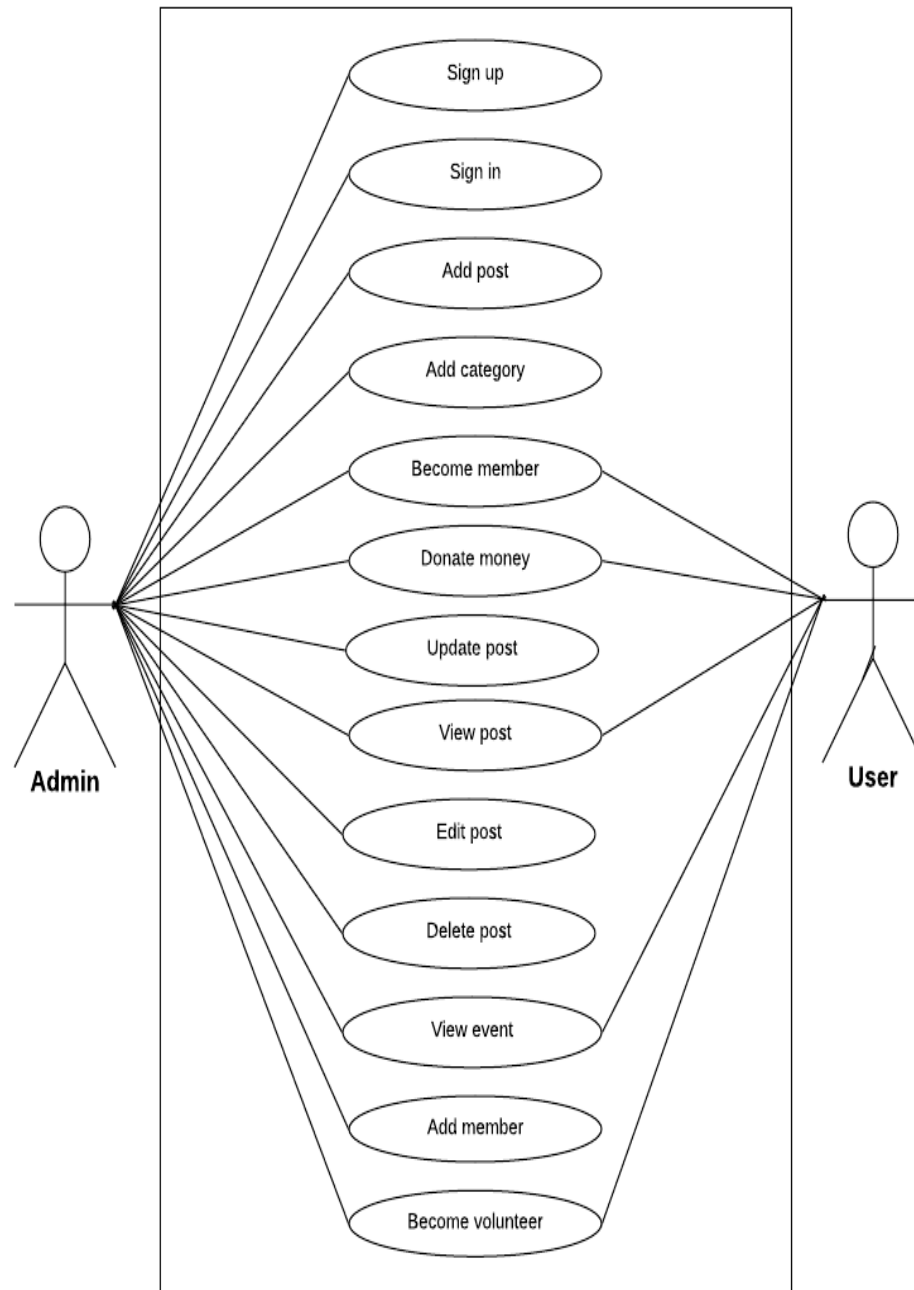


Figure 4.3.1: Use case diagram for humancareglobal

## 4.4 Entity Relationship Diagram

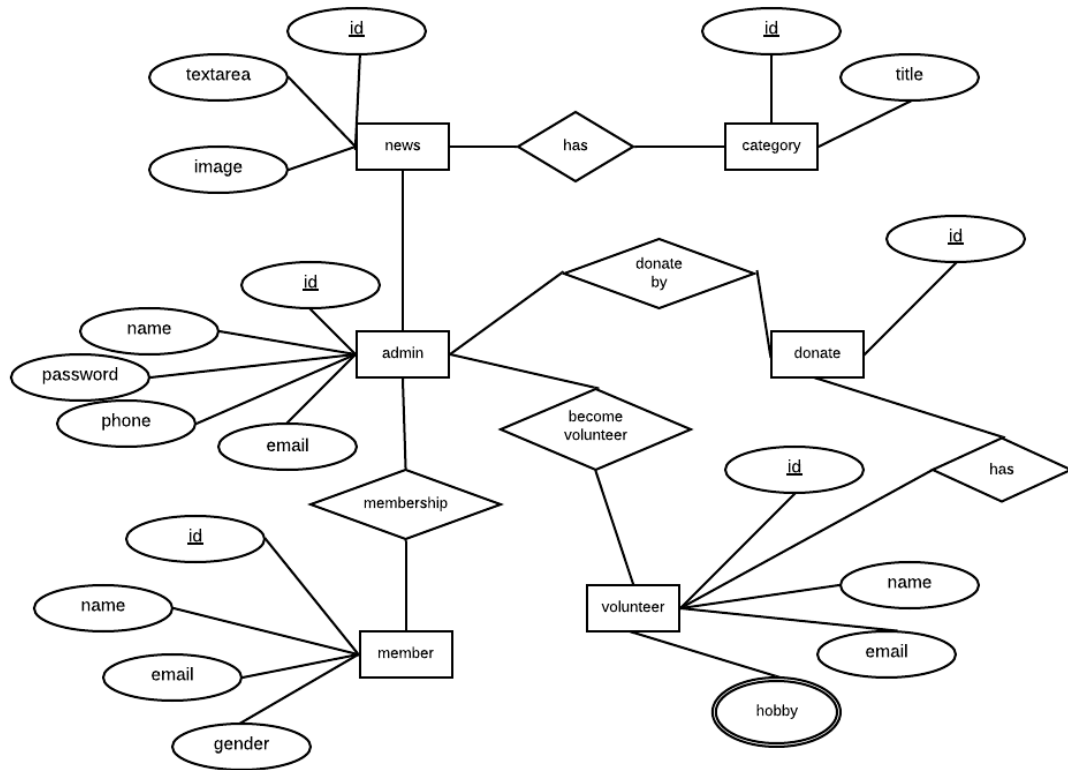


Figure 4.4.2: E-R Diagram for humancareglobal

## 4.4 Project task and activities

Among 6(six) months internship in Bangladesh software development (BSD), I have serve out with various assignment, ventures and exercise for every day. First three months only I have learned for a website design and development and the last three months I have contributed my knowledge and experience in my office. Last five months I have completed five web projects. Those are,

1. humancareglobal.org
2. cmbbd.net and
3. munshiganjdistrictbarassociation.org
4. jaff.com and
5. ihmhbd.com

Here I organize my day by day tasks, assignments and exercises in Table 3.1.0 which I take in my 6(six) months job.

<b>MONTHS</b>	<b>TASKS LIST</b>
<b>1<sup>ST</sup> MONTH</b>	<b>HTML:</b> <ul style="list-style-type: none"><li>➤ <b>HTML</b>(Tags,Attributes,Paragraphs,Heading,Line,Break,List,Table,Font,Form etc.)</li><li>➤ <b>HTML Form</b>(Input, Text field, Text area, Password, Checkbox, Radio Button, files, Buttons etc.)</li><li>➤ <b>HTML5</b> features.</li></ul>

	<p><b>CSS:</b></p> <ul style="list-style-type: none"> <li>➤ <b>Basic CSS</b> ( Selector, Internal css, External css, Inline css, class, id, background, fonts, text, margin, padding,border, hover, pseudo class, color, shadow, text-align, font-family, font-variant, element )</li> <li>➤ <b>Advance CSS</b> ( Border-radius, opacity, position, float, display, visibility, transition box-shadow, gradient, text-effects).Template design using CSS, JavaScript, bootstrap.</li> </ul>
	<p><b>BOOTSTRAP:</b></p> <ul style="list-style-type: none"> <li>➤ Bootstrap plugin, modal, alert, tooltip, tab, button and classes etc.</li> </ul>

<p><b>2<sup>nd</sup> MONTH</b></p>	<p><b>JAVASCRIPT:</b></p> <ul style="list-style-type: none"> <li>➤ JavaScript ( Syntax, Enable, Location, External, Operator, Variables, Functions, Events, Statements, If else, while loop, Array, alert,print, pop-up, sent, date,redirect etc.)</li> <li>➤ javaScript String ( String, Length, Search, replace etc.)</li> <li>➤ javaScript Advanced (Inner HTML, DOM manipulation, regular expression etc.)</li> </ul> <p><b>JQUERY:</b></p> <ul style="list-style-type: none"> <li>➤ jQuery Basic (Syntex , selector, events)</li> <li>➤ jQuery(get, set, add, remove, css classes).</li> </ul>
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<p><b>3<sup>rd</sup> MONTH</b></p>	<p>PHP:</p> <ul style="list-style-type: none"> <li>➤ Basic php: comments, variable, echo, print, print_r, string, constant, switch, functions, array, form, validation, required, url/email, if-else, while loop etc.</li> <li>➤ Advanced php: date and time, include, file handling, open, read, create, write, upload file, session, filter etc.</li> <li>➤ OOP: classes, object, constructor, constant. CRUD( create, read, update and read )</li> </ul>
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<p><b>4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> MONTH</b></p>	<p>I have Designed and Developed Websites. <a href="http://humancareglobal.org">humancareglobal.org</a> and <a href="http://munshiganjdistrictbarassociation.org">munshiganjdistrictbarassociation.org</a></p> <p>Also I have designed and developed <a href="http://cmbbd.net">cmbbd.net</a> and also work on <a href="http://ihmhbd.com">ihmhbd.com</a> and <a href="http://jasnetworkbd.net">jasnetworkbd.net</a></p>
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## 4.5 Design and development specification

### 4.5.1 Home page

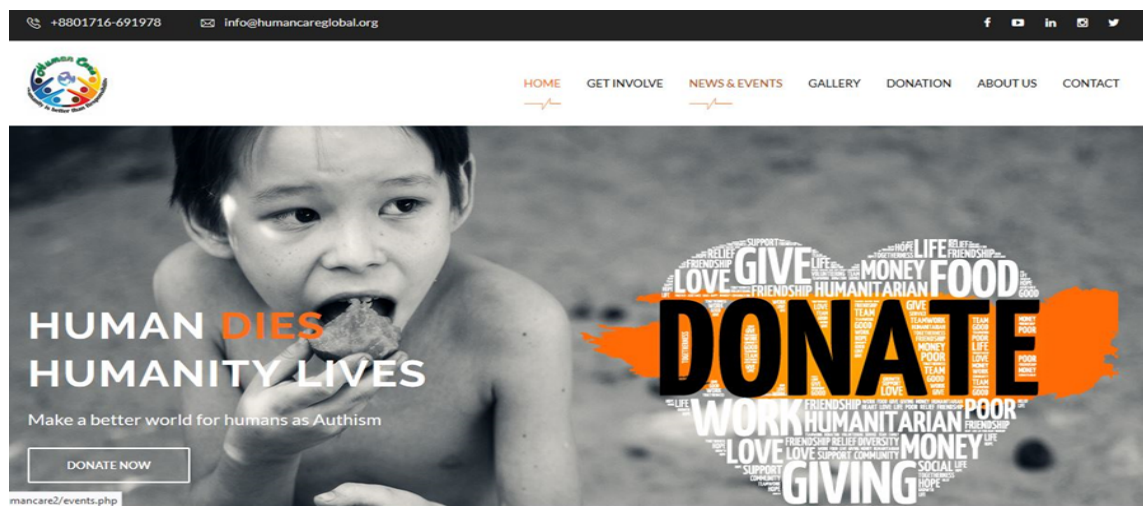


Figure 4.5.3: humancareglobal.org home page



## 4.5.2 Sponsor page

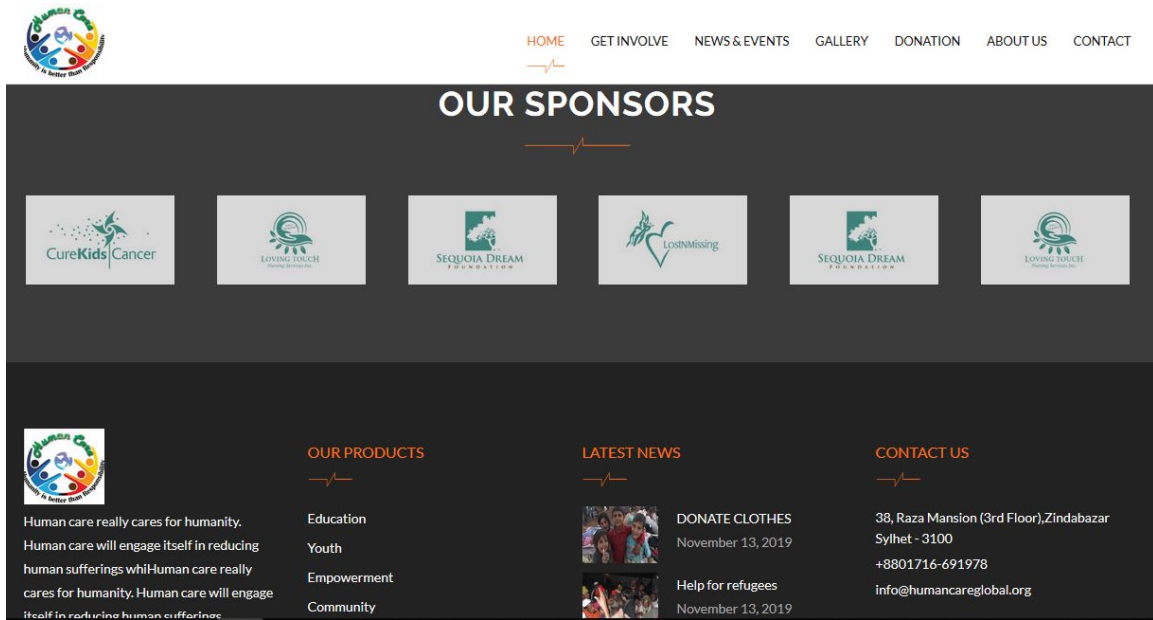


Figure 4.5.4: humancareglobal.org sponsor page

## 4.5.3 Volunteer page



Figure 4.5.5: humancareglobal.org volunteer page

## 4.5.4 News and events



Figure 4.5.6: humancareglobal.org event page

## 4.5.5 Gallery

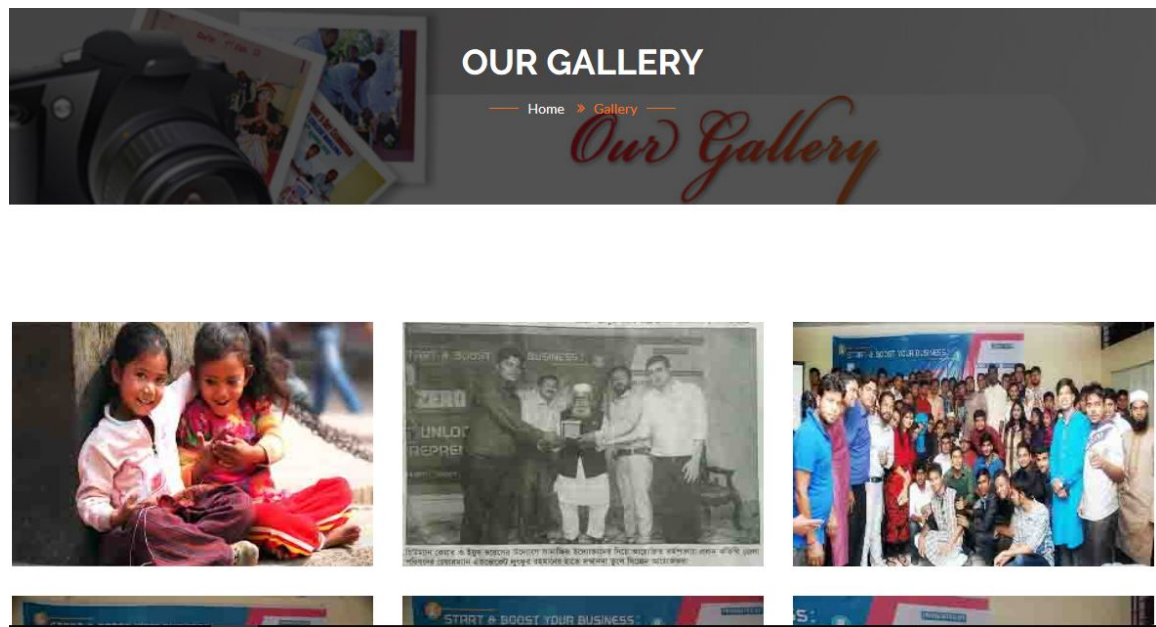


Figure 4.5.7: humancareglobal.org gallery page



## 4.5.8 Home page

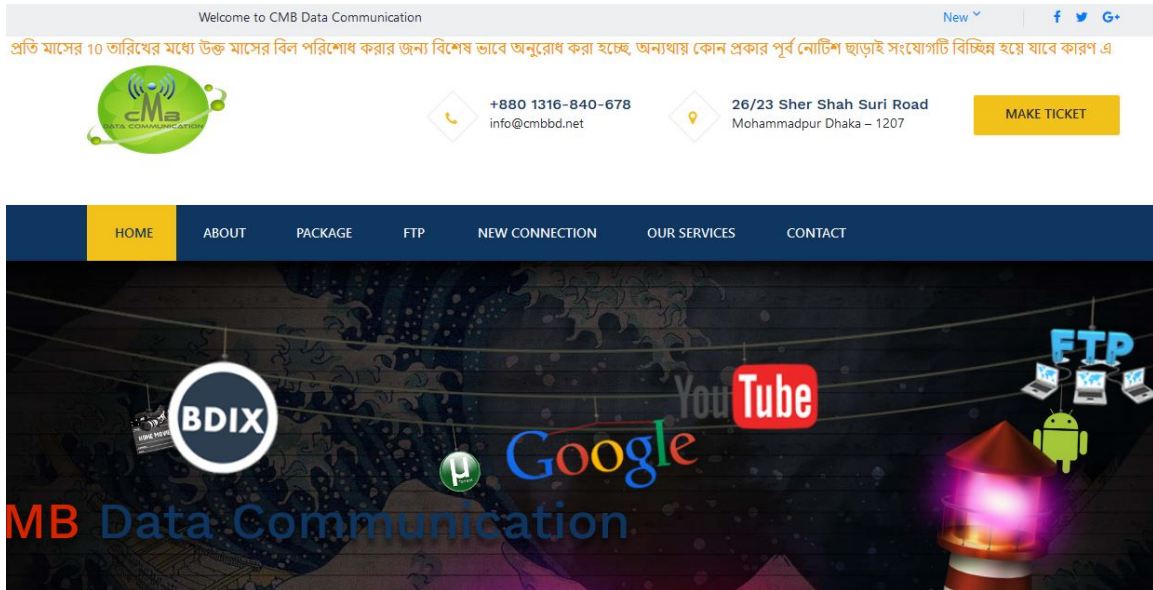


Figure 4.5.10:cmbdd.net home page

## 4.6.9 Package page

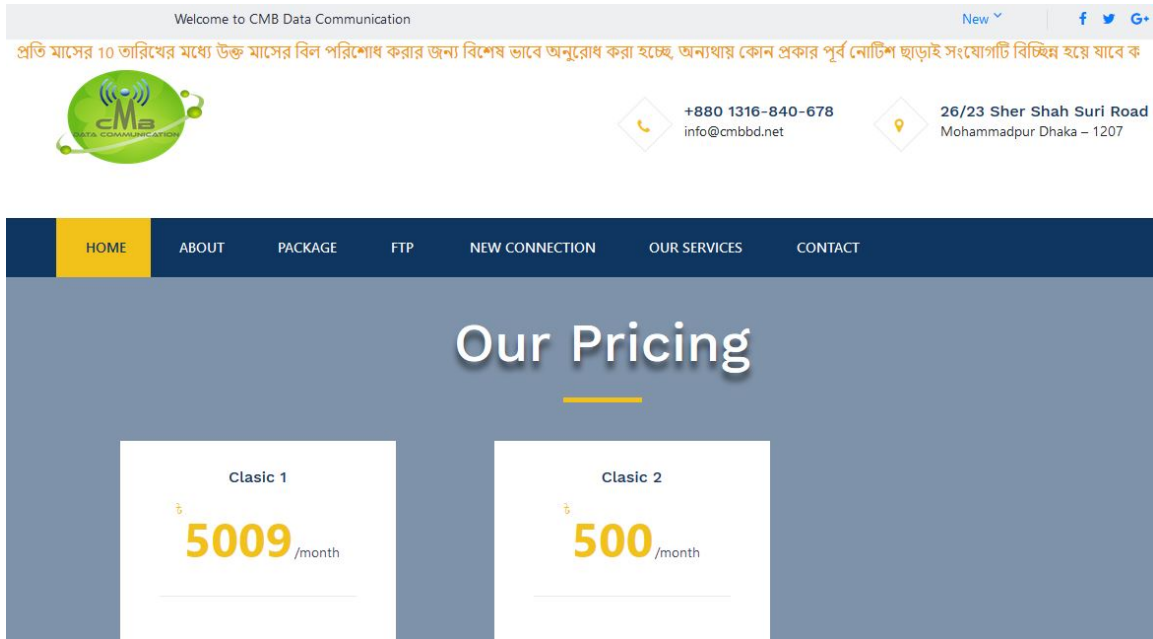


Figure 4.5.11:cmbdd.net package page

## 4.5.10 Services page

Welcome to CMB Data Communication

প্রতি মাসের 10 তারিখের মধ্যে উক্ত মাসের বিল পরিশোধ করার জন্য বিশেষ ভাবে অনুরোধ করা হচ্ছে অন্যথায় কোন প্রকার পূর্ব নোটিশ ছাড়াই সংযোগটি বিচ্ছিন্ন হয়ে যাবে

**CMB** DATA COMMUNICATION

+880 1316-840-678  
info@cmbdd.net

26/23 Sher Shah Suri Road  
Mohammadpur Dhaka - 1207

HOME ABOUT PACKAGE FTP NEW CONNECTION OUR SERVICES CONTACT

# CMB

CMB Optical Network built with the customer current & upcoming needs & challenges in mind. Our fiber optic connection is designed for businesses seeking dedicated high-speed Connection that is secure, stable and cost-effective. 1

### Connectivity

CMB Broadband is one of the Leading Broadband internet provider in Mohammadpur & Adabar area in

### Call Centre Services

+0961115555  
+01977700202

### Web Developing and Designing1

CMB is one of the oldest broadband company in Mohammadpur, Dhaka. Web Developing and designing is a

Figure 4.5.12:cmbdd.net Service page

## 4.5.11 Admin Registration page

Home / Registration

### REGISTER ACCOUNT

If you already have an account with us, please login at the login page.

First Name	Last Name
<input type="text"/>	<input type="text"/>
Email address	
<input type="text" value="Enter email"/>	
District	Post Code
<input type="text" value="Dhaka"/>	<input type="text" value="1206"/>
Address	
<input type="text"/>	
Contact No (8801*****)	
<input type="text" value="Enter Contact No"/>	
Your Password	
Password	
<input type="text" value="Password"/>	
Confirm Password	
<input type="text" value="confirm_password"/>	

Registration

Figure 4.5.13: humancareglobal.org registration page

#### 4.5.12 Admin login

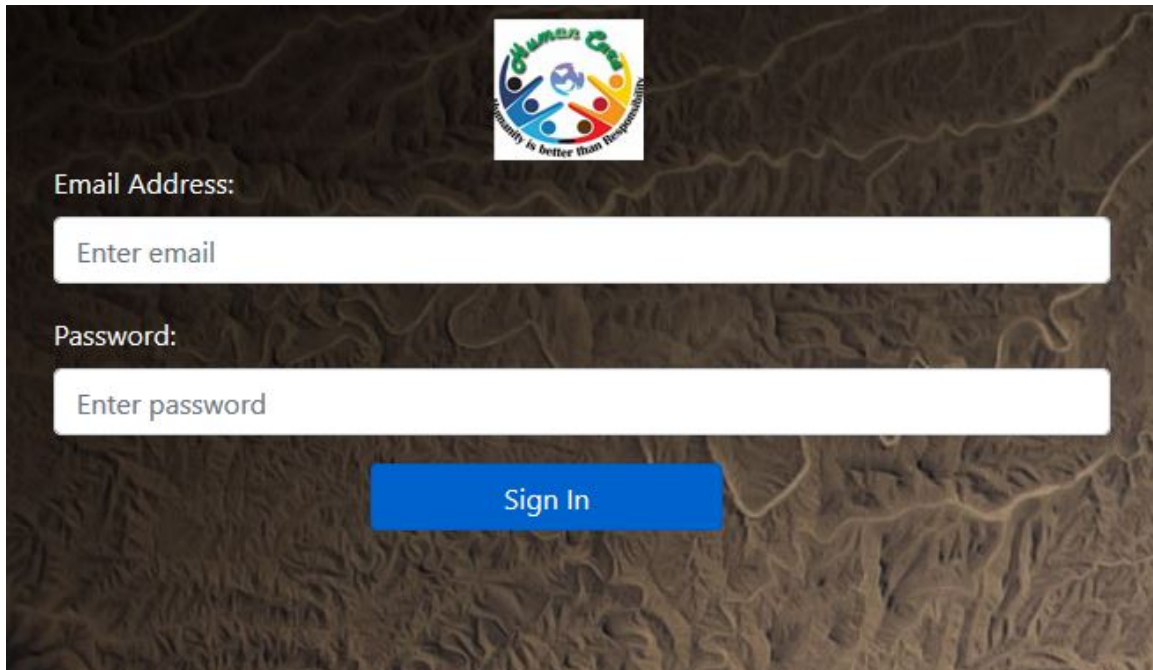


Figure 4.5.14: humancareglobal.org login page

#### 4.6 Challenges

There are many different types of challenges to face design and development of humancareglobal.org websites. Most of the common errors and warnings comes out.

1. Fatal errors
2. Syntax errors
3. Fatal caught errors
4. Logical errors
5. Semantic errors

Syntax errors due to the fact that the syntax of the language is not respected. Logical errors due to the fact that the specification is not respected. A fatal error is an error of a program to terminate it. So do design and development of a website day by day I am facing this type of errors and I properly overcome those errors. I successfully completed my project after challenges some problems.

## 4.7 Use case Model Description

**Table 4.7.1: Sign up**

<b>Use Case ID:</b>	<b>01</b>
Use case Name:	Sign up
Created By:	Md. Nobir Ali
Date Of Creation:	16.11.2019
Description:	This use case will allow only admin to sign up the system.
Primary Actor:	Admin
Secondary Actor:	None
Pre-condition:	None
Post-condition:	The system will display the home page.

**Table 4.7.2: Sign in**

<b>Use Case ID:</b>	<b>02</b>
Use case Name:	Sign in
Created By:	Md. Nobir Ali
Date Of Creation:	16.11.2019
Description:	This use case will allow only admin to login the system.
Primary Actor:	Admin
Secondary Actor:	None
Pre-condition:	None

**Table 4.7.3: Add post**

<b>Use Case ID:</b>	<b>03</b>
Use case Name:	Add post
Created By:	Md. Nobir Ali
Date Of Creation:	16.11.2019
Description:	This use case will allow only admin to add post to the system. Admin can create category to the system for post.
Primary Actor:	Admin
Secondary Actor:	None
Pre-condition:	None
Post-condition:	The system will display the category page.

**Table 4.7.4: Add category**

<b>Use Case ID:</b>	<b>04</b>
Use case Name:	Add category
Created By:	Md. Nobir Ali
Date Of Creation:	16.11.2019
Description:	This use case will allow only admin to add category to the system. Admin can create category to the system for post.
Primary Actor:	Admin
Secondary Actor:	None
Pre-condition:	None
Post-condition:	The system will display the category page.



**Table 4.7.5: Update post**

<b>Use Case ID:</b>	<b>05</b>
Use case Name:	Update post, Delete post and Edit
Created By:	Md. Nobir Ali
Date Of Creation:	16.11.2019
Description:	This use cases will allow only admin to update, delete and edit the system.
Primary Actor:	Admin
Secondary Actor:	None
Pre-condition:	None
Post-condition:	The system will display the view page.

**Table 4.7.6: Add member**

<b>Use Case ID:</b>	<b>06</b>
Use case Name:	Add member
Created By:	Md. Nobir Ali
Date Of Creation:	16.11.2019
Description:	This use case will allow only admin to add member for the system.
Primary Actor:	Admin
Secondary Actor:	None
Pre-condition:	None
Post-condition:	The system will display the add member page.

**Table 4.7.7: View post**

<b>Use Case ID:</b>	<b>07</b>
Use case Name:	View post, View event
Created By:	Md. Nobir Ali
Date Of Creation:	16.11.2019
Description:	This use case will allow only user to view post and view event the system.
Primary Actor:	User
Secondary Actor:	None
Pre-condition:	None
Post-condition:	The system will display the view page.

**Table 4.7.8: Become volunteer**

<b>Use Case ID:</b>	<b>08</b>
Use case Name:	Become volunteer, Become member
Created By:	Md. Nobir Ali
Date Of Creation:	16.11.2019
Description:	This use case will allow only user to become volunteer, become member the system.
Primary Actor:	User
Secondary Actor:	None
Pre-condition:	None
Post-condition:	This system is display volunteer page

**Table 4.7.9: Donate money**

<b>Use Case ID:</b>	<b>09</b>
Use case Name:	Donate money
Created By:	Md. Nobir Ali
Date Of Creation:	16.11.2019
Description:	This use case will allow user to donate money the system. User easily donate money for the organization by the system.
Primary Actor:	User
Secondary Actor:	None
Pre-condition:	None
Post-condition:	The system will display the donate page.

## **CHAPTER 5**

### **CONCLUSION AND FUTURE WORK**

#### **5.1 Discussion and Conclusions**

The objectives was to manufacture of the front-end and back-end development of the site [humancareglobal.org](http://humancareglobal.org) that is given by Bangladesh Software Development. [Humancareglobal.org](http://Humancareglobal.org) is a online service platform where people will get their equal opportunity for live. We believe that youth participation is essential in building such a world and that the inclusion of youth voices and representation is the first step toward a future. For design and development I have taken necessary steps to HTML, CSS and BOOTSTRAP and also I have taken steps in PHP. After work I have to figure out how to work in an expert way.

#### **5.2 Scope for the further career**

There is a very great deal to improve the website. This site will be very helpful for those people who are deprived from food, education and employment. This is a online service platform. Most important to youth participation. Because they are the future leader and they will be the maintainer of the world. We can include more component in the future if it is necessary to add content or component of it. [Humancareglobal.org](http://Humancareglobal.org) has a bright future in-front of it. This site ensure that no people will not be deprive in the future. Mainly this site focused to improve the deprived people in the world.

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