AN EFFECTIVE SOLUTION OF BLOOD DONATION MANAGEMENT SYSTEM

BY

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

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APPROVAL

This Project/internship titled "**An effective solution of blood donation management system**", submitted by Md:Asifur Rahman, ID No: 161-15-7055 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 and approved as to its style and contents. The presentation has been held on 05-12-2019.

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DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Majidur Rahman, 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.

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First, I thank Asim, my God, who gave me the wisdom, courage and courage to complete the final year project successfully.

The success behind the project i have been successful with is my supervisor. I respect and greet him. The " an effective solution of blood donation management system" carries the guidance of the supervisor and the scholar in the field to run my project.

He has made it possible to complete the project by crossing over to correct the mistakes through his knowledge, talent, skill and deep pursuit. The idea of this project first developed and developed as a result of my creative knowledge practice.

As it progressed slowly towards implementation, my friends contributed. Include the instructions given to them in the project. My friends help and collaborate on the project. With their help i was able to complete the project very quickly. Thanks to the friends who helped finish my project.

Ultimately, the right thinking, mindfulness, vision, and empathy can help make difficult work easier.

ABSTRACT

This project i made is a web base project. My project created by any device (android, iphone, table, laptop and desktop) will be able to run. The first thing I need to say about the browsers that you need to run the project is google chrome, Mozilla and many more browsers including ucb. Users can choose whichever browser they prefer to run this form project. This project will include information on voluntary donations for blood donors. The blood donors will continue to swell throughout the country. Also included in the project is a needy blood group. Blood donors that donor voluntarily donate are included in various groups and prepared in a list format. We have this project operated under several branches. Company services are usually provided to the public from the company's branches. Establishes an inter-relationship between company branches and hospitals. As a result, the branches can quickly find the blood they need. This project we created is a static web side. We can say that our project has project has all the information that is stored in a specific location. All information stored on this record is kept in writing when necessary. All of this information may be needed in our next work. Any information on the project is recorded so that it is not deleted.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Blood donation is one of the great works. This is what great people accomplish. From the very beginning of creation, some of the greatest beings have served the welfare of mankind. One of them is blood donation. The person who wants to save the bullets, only a little blood can save him from death's dream of living. The blood on the face of the patients after the bleak state of the hospital bed and the person who gave this blood to him is as great as this. People who donate blood should be aware of blood donation timelines and duration. They should know that blood should be donated at intervals of 3 months to days. The donation of blood on the head of this day can again donate blood. Many blood donors are in danger after the miraculous deeds. At a ripe old age, donating that blood to a person's body may start giving blood again. This may be due to excess blood donation and non-compliance with the time limit. Disease and diabetes are in the leg of human beings. People are now drunk with smoking and intoxication. Our blood needs such. Likewise, it is necessary to receive pure blood on the basis of knowing when receiving blood. At the time of donating blood, the donor has to check whether the person has any fatal and fatal diseases (e.g: diabetes, heart disease, cancer, HIV, kidney disorder). Also, the blood donor should be thoroughly tested to see if he is consuming any drug products (e.g: Gaza, alcohol, poison, etc). Remember that the blood you carry in your body will carry you throughout your life. Therefore, it is recommended that the blood be good and pure. Why most of the complex and difficult diseases spread through the blood. Blood is an essential ingredient. Blood is needed in many cases. In everyday life people suffer many adversities in the interest of work. The victim is in the face of obstacles. The trouble is to wear. In the face of these adverse effects, bleeding begins. Life goes on. Blood drops from the body. Once again, these animals return to the welfare of some civilized people.

They can live. Life can return a drop of blood to that moor. Blood donors work to make sure the does not stop the clock. They bet on their lives and give in to their needs. It is the blood that stops when needed. How cruel the moment is at the time. The dead urged the traveler to return to life. These blood donors stand side by side. Both blood donors should be aware of blood collection. If both blood groups are combined, they will be able to donate and receive blood. In case of blood donation, The donor must come to the blood donation center. Then the blood group of the donor should be examined. When the blood group is combined, the donor can donate blood. With this, the blood group of the recipient should be examined. This method is called cross matching. After donating blood, he should drink plenty of cold water. It is good to feed all kinds of liquid foods. In this case the blood donor has to rest. It takes 5 to 7 minutes to collect blood from the donor's body. It takes 4 to 5 hours to give the exact blood to the body. Blood pressure may increase or decrease after the recipient receives blood. However it will take some time to test. There are some rules prohibiting blood donation in pregnant women. A pregnant woman will not be able to give blood to any person while she is still pregnant. Even a pregnant woman will not be able to get blood from a person until the baby is delivered. In this case the pregnant woman may be at risk for the unborn child. Even a baby can die in the womb. If a pregnant woman donates blood during pregnancy, the baby will not be able to get blood properly if the blood levels in the body suddenly decrease. The antibodies to the blood can affect the baby in the womb if the pregnant woman takes blood while she is still pregnant. If a pregnant woman does not have a baby, she can donate or receive blood. There will be no problem.

1.2 Motivation

People have always given up on success because of failure. The thought of being strong in thinking that you are weak is not in your head. People who work hard today and persevere are the ones who are successful today. We often blame fate at times but luck does not mean success in exchange for labor. Dream it and move on with the goal of fulfilling that dream.

He will never get what he wants, but he will have to strive for the goal, to reach the goal. You gave a lot of labor but still could not get to the desired place because the reason was how much time you were using in your time. After hearing the story of success, he woke up inside himself. The work that I am about to do is constantly done to me remembers walking. I concentrate on work to overcome concentration and depression. I have succeeded in embracing this sentence. People are making mistakes. The mistake lies inside. Can not get out of the wrong. The reason why he can do this is because he repeatedly loses his morale, becomes lazy, fatigued at work. If he continues to fix his mistakes by keeping the millions firm, he will get what he deserves.

1.3 Objectives

It is a welfare or a service. The purpose of this work was to save another's life with his own blood. Blood is available when needed at the moment of accident. Blood can be collected in less time and faster. Encourage people to donate blood. Improving and promoting medical practice. Above all, it was our intention to integrate all these functions into a single software.

1.4 Expected Outcome

After completing the project, it was concluded that the donors donated blood at some of the branches. A list of the names and address of how many bags donated blood. After all, the table or the list shows the customers how much blood is on the site. Which group has blood. There is blood at any branch. There is a table showing when they donated blood.

1.5 Report Layout

Blood is needed for the surgery patient

Staff correspondent,26 October,2019, Dhaka

Qatari surgery patient in pain of delivery. The obstetrician will be diagnosed at approximately 3.30 pm, said the obstetrician. There was not enough blood in the maternity body. In such a situation, patient said he could leave the theater.

Even without enough blood in the body, the baby is going to give birth. Since the birth of the body, the maternity women should be adequately fed. This can meet the nutritional needs of the maternity child and, in addition, the baby can rise to the right level. If the nutritional needs of the maternity are not fulfilled for some reason, the baby does not grow properly. The onset of maternal blood is low. The maternity physician says before the surgery it will take 2 bags o+ blood. In this situation the relatives of the maternity rush to collect blood. They come back tired at one time. Search online without getting blood anywhere. There they find blood. About 2 bags collect blood. Then the maternity surgery was performed. The maternity doctor successfully completed the surgery. The maternity son receives the child. Birth brings blood back to life. The doctor claims that both the maternity child and his child are healthy. Everyone is happy to collect maternity blood during the accident. People in the family are happy to save their patient. They have learned to understand to day that blood may be necessary. It is an important instrument for human survival. It not done at right time, it can serve as a cause of dead. The happy state of the patient is seen when the patient returns to life after receiving blood. I wonder how much blood is needed. Which can give life back. Could save people from death.

CHAPTER 2

BACKGROUND

2.1 Introduction

The project is far-reaching and its duration is much older. There is nothing to be lost or destroyed. It will continue as if it is moving at a steady pace. Before the project was implemented, many needed blood. Blood is not available when needed. It takes longer to collect blood. Blood was not available at the time of surgery in the medical field. My project can solve all these problems. It can detect blood very fast. After the project was implemented, people are no longer part of it. People have learned to collect blood. Getting blood when needed. In previous days people were not so curious about the scattering. If anything, the amulets were worn and the water was worn with oil and oil. If medical education progresses slowly, drastic changes can be noticed. Humans have learned to separate the flesh by breaking the cage into pieces. They have learned to produce blood in the body. When the body is cut off, the blood goes out. They have learned to donate blood. Voluntarily donates blood donation programs. Collect blood and supply it to all patients suffering from need for blood. At present, the project can survive. It's all done with php. Php is now a very popular programming language. It is a project of survival. Working with php is basically the work done on the back of a site. Determines how the site will work on the back end. From today until the twentieth century, php will survive. Php language has no end. Php background is very good. It won't lose the market very quickly. Currently most projects are done with php. Php usage is much like that. There is a lot of work being done on php all over the world. Therefore, the background of php based projects is very good. Many securities have been granted to the project through the use of php. A hacker can't easily swallow a php project. The blood donation project is the most known project ever. The amount it is currently using will be more in use in the future. It will take people in the interest of their needs. This is one of the things people need.

Human remains cannot be found without blood. Today, people have developed relationships, friendships, kinship with human begins through the sources of blood. Because of the contribution of blood, friendship is sustained in humans. Their strength is sustained. When the bond of blood is strong, friendship is strengthened. No one can ever stop the bleeding. People today are known to each other because of this bond of blood. People are extending their hands of help to each other because of blood. The project has been deemed as dimension this is a standard scale project. This project was not like this before. The project has been developed several times. This project has been edited many times. Many features were changed. There was also a lot of content that changed the content. All content has been changed. In all, the project has been taken to a new level.

2.2 Related works

I have visited several sites and found that their work resembles my work. One of the main aims of our project and other site projects is to save some donor blood groups within the web site and get the desired blood group between those stored blood groups when needed. Like my work I find several web sites to swallow. Among them are seekers. The way they deliver supplies takes time. There is also the red crescent society (bangladesh red crescent society, 2019) Their process did not look good to me. The reason for this is that at the time of blood transfusion, they will find a doctor via phone call. So, it's a very long process. Here too, time is wasted. The scope of the projects being worked on is immense. Today, most of the research that is being undertaken on projects around the world is a homogeneous project. Similar work has been done following such projects but today the origin of such new projects. It is advisable to analyze the project in the same manner to think about the project. A specific sense of what will be worked on the project can be obtained. It is known in advance what the project will be like. A thorough knowledge of the entire project can be obtained. This project is an e-commerce project. There are many more projects like this. All of these projects have a product that orders a customer's view online. The customer than pays the price online. Here you can see what products are being programmed like those projects. Customers can buy and pay the price online.

2.3 Comparative studies

I find similarities and some dissimilarities between their work and other work I do (such as the red crescent society, finder). Not perfectly coordinated, something different is called. The job that the searchers are doing is laughing that they do seminars in various places to collect blood in search of some donors. Going to donors going to different places doing their seminars is a lot of time. It takes many days, a long process. They are a club or organization that works for the red crescent society. They group people in different places. Their task is to make some people a number of the red crescent society. From among the members, they collect blood and any supply blood when needed. If there is a sick patient in the place where blood is needed, then members of the red crescent society go there and donate blood. In this field, this process is often called the long and time dependent. Most of the blood that the donor donates is expired, which has been donated long ago. It was not sold unless required. Such blood is harmful to the patient. Each project can be compared to each other in some way. All these web base projects can be compared to one another. It can be seen that all the projects are opened with a user name password. Again it appears that the projects are being opened directly from the home page. All of these projects are limited to the hands of specific people. An admin is running everything on the project. There are several projects that are basically doing the same things. Eve\n then, there are some differences between each project. Many of the projects that came into view were web compiled. There are some products that can be viewed online by the customer. They can be purchased on-line. Serving through the server has made it easier for people to tie. All of these projects have to be compared to a web base project.

2.4 Scope of the problem

The best way to get rid of problems is to keep a web site. It will take less time. The process won't be long. Labor will need less. People should not suffer harassment. Only by searching a web site will he get all the information he needs. Some needy blood groups on the web site will remain. Donors donated blood. Here are the names of some hospitals where donors are donating blood regularly. Due to the variety of branches, a donor is able to donate blood in a very short period of time and buyers can buy in a short time. There is no way to have expired blood to keep the website updated. One of the benefits of having a web site is and view the required information from anywhere. So a customer can collect blood at any time from anywhere. Every project has some opportunities to solve problems. Has a designated destination. A healthy brain is thinking of how to solve the problem. Then keep those thoughts in mind and move forward. Evaluate the problem to solve all problems. To do this project has to repeatedly fill in its destination. After the project has progressed a bit, try to resolve any errors that have occurred. The time specified for the project is fixed. The project must be completed within the specified time. A fixed timeframe is given for how long the project will run. If the timely project is not able to finish the project, then it is finished with additional time. Basically a draft of the field that you need to follow to solve the project.

2.5 Challenges

Today's project is not what it looked like twenty years ago. In harmony with today's blood donation project many similarities are found in the past. I would like to point out the similarities between them. Some features have been changed in the project. Such features were not found in the earlier similarly targeted projects. The project features some variables that may change. These changes were not noticed in other projects. The project is designed in a much more secure manner than other projects. Which was not found in other projects. Blood donation projects are known to be one of the projects.

Like the other project finder and red crescent society, it has features but the project is completely different. This project is of better quality than others. The previous day's projects were not so feature oriented. The features that are this project. The previous project could not be done so much. Now with the coming of advanced features, a lot of work can be done. Not every project is the same all the time. Over time the projects have to be changed. There are different features of the project. The project system has to change. It is not possible to keep the project life-long on a given system. The needs of the people change day by day. Everything is changing over time. There are always new features to change. People do not want to see the same features all the time. As soon as the technology is used, People will rush to the project. When the project is changed only then is the use of technology. There is always new technology. The project adds a new dimension. Occasionally the project has to be updated. This increases the attractiveness of the users on the project. Like the previous project, I have found a new way to work with eye project. As it turns act, the project has a lot of momentum going on. The speed of change is very high. The magnitude of the change is also high. Most of the time, it is subject to change and notice the change. Many times the project continues at a steady pace and it is no longer possible to cure it. Many projects may be in circulation.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business process modeling

We have everything but the business involved. Not at the top of any business. We look for an income source in every job. The way i find the source of income in my project is that we have branched out into different places. Donors donate blood at brunch. There donors will make some money. Branches may require blood transfusions. There, the fees are paid to the branch on account of remuneration. Customers will go to the branch blood, they will buy blood at the branch for money. This whole process tie was business oriented. This is the basic structure or model of the business. Most web base projects but business is accessible. All the e-commerce projects that are available for business. Business is done through e-commerce projects. There are some products to this project. All information is available online, including prices for these products. A customer can order when they see the product on the web page. Timely customer orders are shipped to him. The prices of the products are arranged on-line to the council. The web site receives a certain amount of vat. It is possible to do business with all these projects. Many successful projects followed by many business projects. Such a project could happen. There will be a list of some dishes. There will be different species of food, name of food, price of food. These foods can be ordered online. It is possible to price them. All these projects but they are doing business by creating a web page.

3.2 Requirement collection and analysis

Some of the essential things I have taken to do this project include some very important information from blood donors. Here is the name of the blood donors, where they live, Where they are staying, how many bags they want to donate blood, do they want to donate blood to the group. In addition, i have divided some of my projects into branches. The blood donor told me at which branch I wanted to donate blood.

I also mentioned some important customer information in the project. The materials needed to carry out the project were collected. Some projects have to be followed in order to do this project. The following project was the web base. Some of the essentials that web base projects require are the content, followed by some important content. Data base data was collected with some important features. To do a project, you have to follow multiple projects. A similar task is to create a project that follows all the projects under it. All this information has been collected slowly. Due to advanced technology, information is now available. Analyzing the data is arranged one by one. People gathered their information day after day. It was collected from various media. Views were collected from various sites. It was easy to collect as it had becomes prevalent in the face of the people.

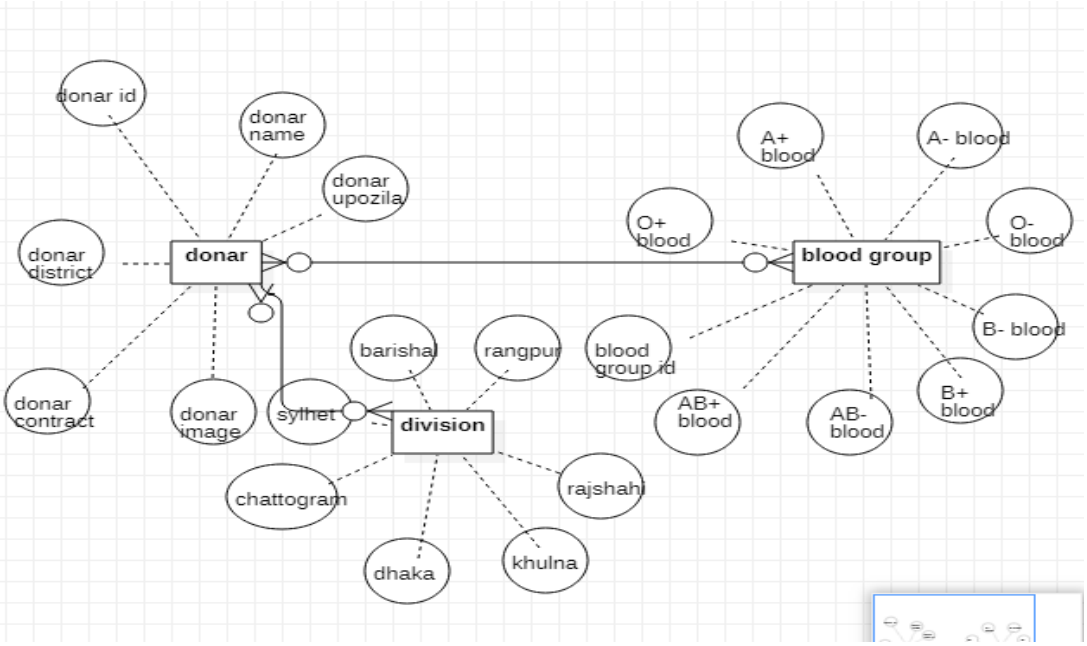


Figure 3.2: ER diagram

3.3 Use case modeling and description

I have two blood donors and two actors in this project. Here is a blood group from blood donor to customer use case is completed with the list. A use case is shown that blood donors donate blood to different groups. It also shows a use case of blood donors donating blood at different branches. Also a generalization is done within the branch. It is said that blood donors will go to a branch. They have two options. It is shown whether blood donors donate blood to the nearest branch or donate blood to a nearby branch.

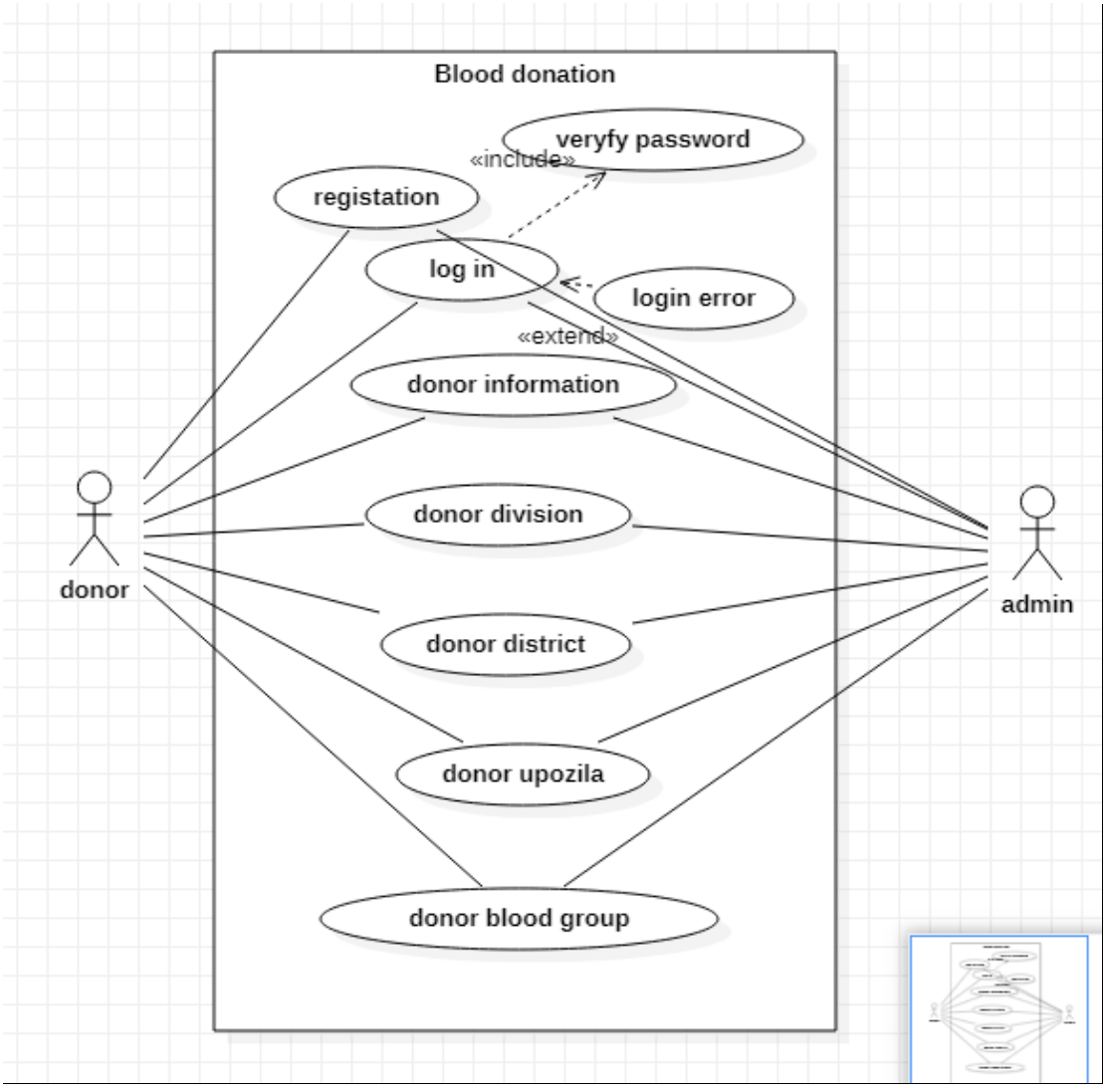


Figure 3.3:use case diagram

3.4 Logical data model

Of the three antennas that have been worked on in this project, three are mentioned in the original. First, let's look at the entity named donor. This donor entity has a few more data. There is a lot of data including donor name, donor address, donor phone number. Then there's an entity called branch. This entity contains some data on the branch name, blood bag and date saved. There is a one-to-one relationship between a donor and a branch. Then the last entity that has the customer is customer. Customer entity has some data. If you say the customer's name, the customer's address, the date on which the customer will buy the blood and how much time the blood will be taken. Many to many relationship between branch and customer. This was basically a logical data model.

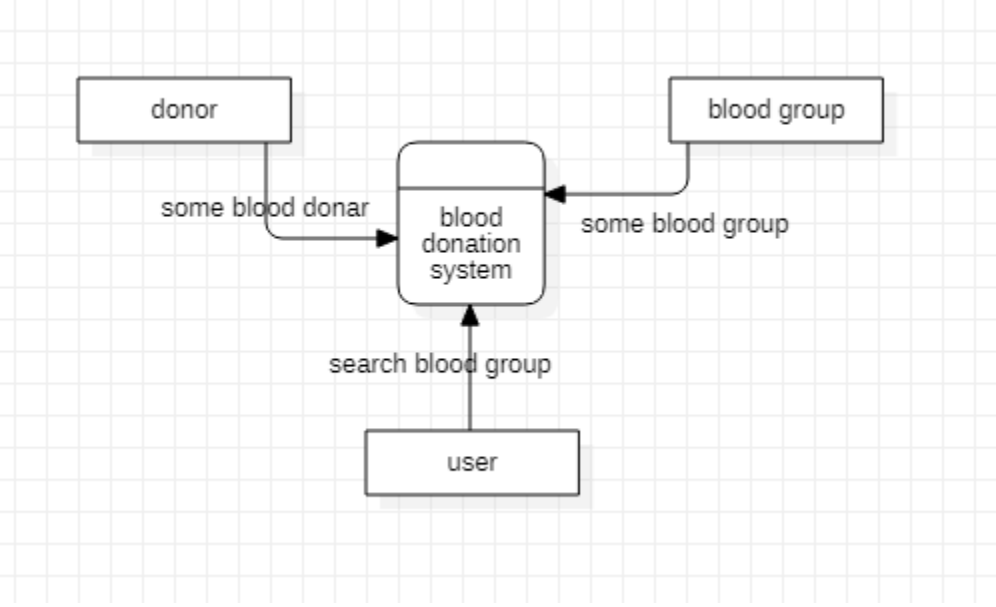


Figure 3.4.:Data flow diagram

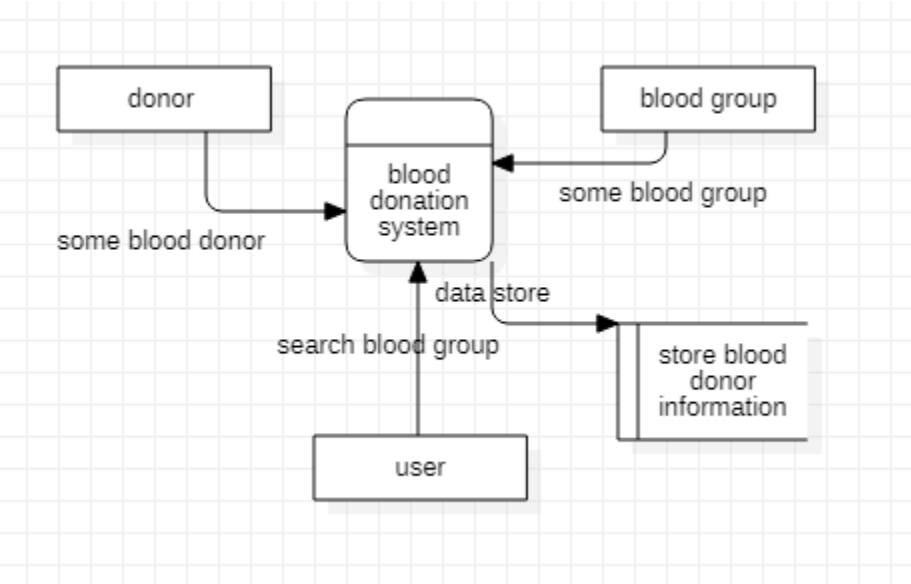


Figure 3.4.1:Data flow diagram

Data flow diagram the data flow comes in a straight line. Rows are done with rows of data. The data is structured. Data is arranged nearly. Donor information is recorded. Donors have blood groups. It is easy to know what a donors blood group is. All information can be easily extracted from donors. Donor information is available in the form of the beside whole system. All donor information is stored at a specific location. Data can be retrieved from there. The data rows are aligned.

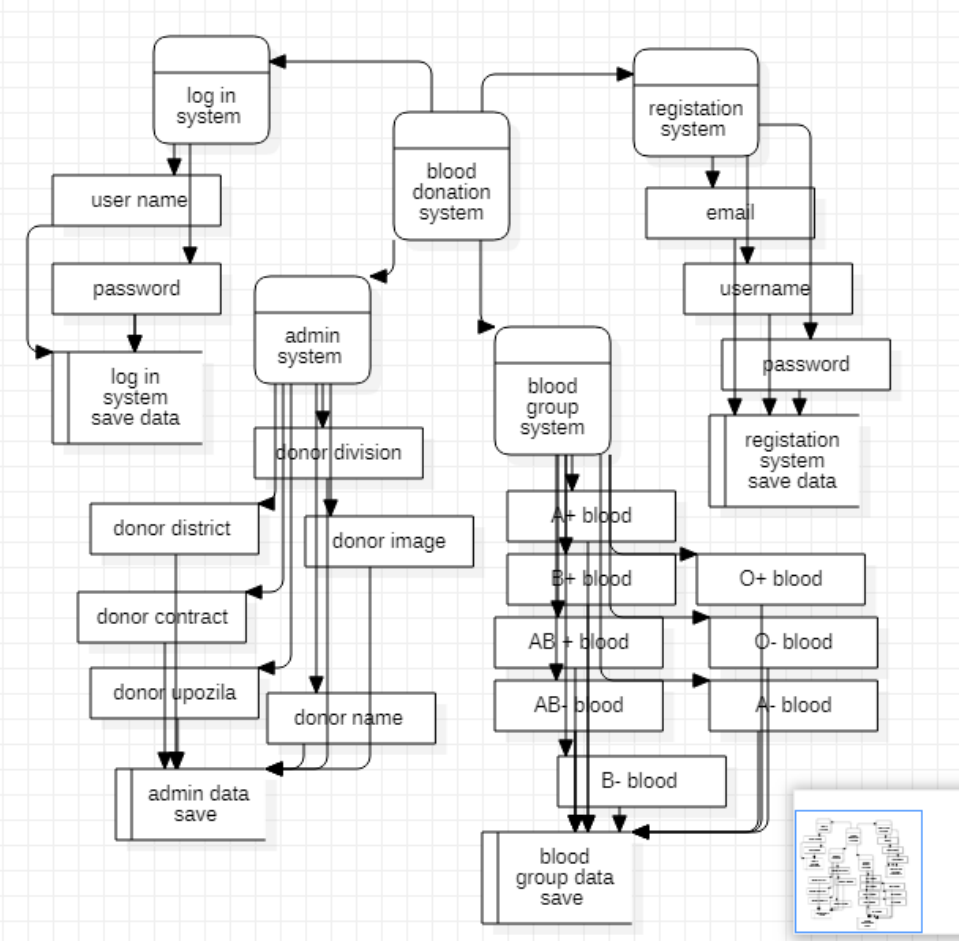


Figure 3.4.2:Data flow diagram

3.5 Design requirements

To do this project, first of all , a draft sample image has to be drawn. After that, the project has to hang on to the implementation. Before implementing the project, some necessary materials are needed to make the project workable. At one stage, the project is completed. Then public support was needed to promote the project. The project is checked by how many people have taken part. It has been speculated that the project will not bring success in human work or bring failure. It has been realized how much people will benefit from this project. The whole project is depicted in the imagery scene. The drawing of the entire project was made visible. The visualization hypothesis is gradually implemented in the project.

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end-design

A web base project consists of basically two parts. One is the front end and the other is the back end. Basically, the front end design is done here. The layout of a web site is designed in the front end design part. This part is basically a web site designed part work. When you search the web site on the web, the first thing that is visible in front of the eyes is the front end design. This front end is designed with html and css. This html is essentially the tag base markup language css is called a cascading style sheet. Designing the front end is basically a web site that tells what content will be on the page. The web site tells you what it will look like. The front end part is commonly called the design part. Basically the front end part is a part of the front of any user. It will basically appear in front of the user. Here is information about the project. There will be some important data. Very easy one will get ideas about the curry project. Understand what the project is capable of. Here is a simple way to say how the project is. Here's how things can be done.

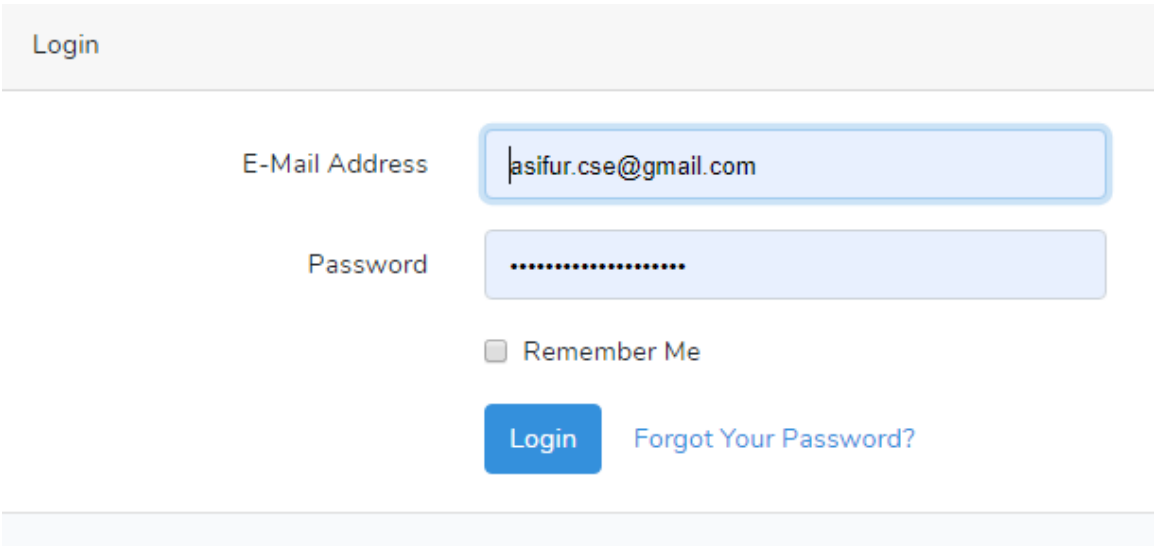


Figure 4.1:front page log in

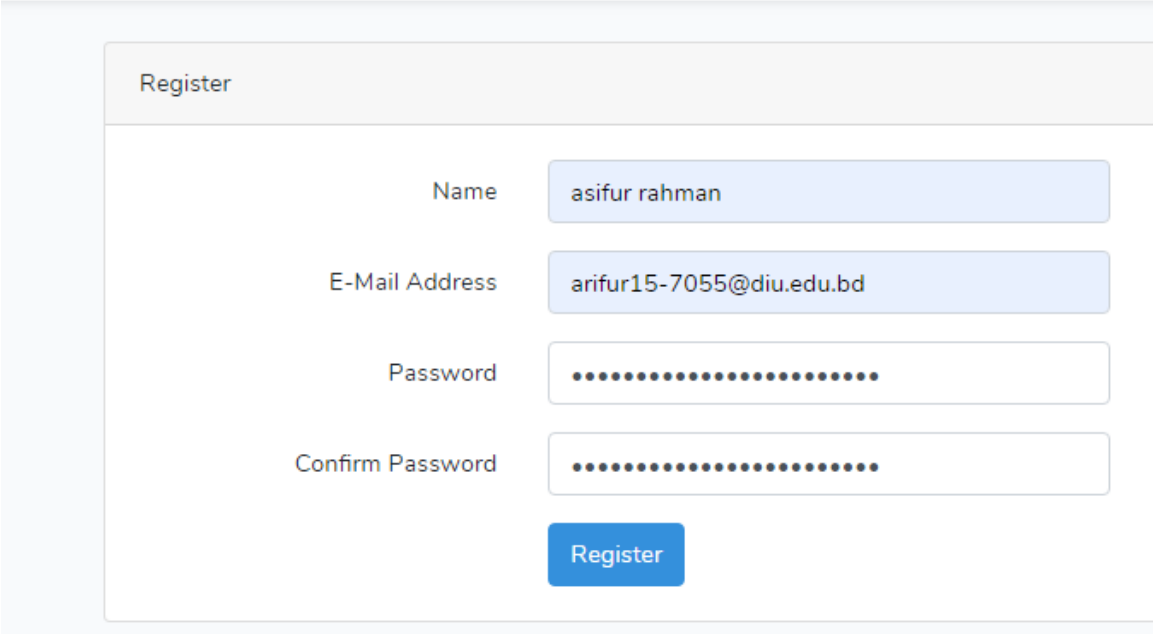


Figure 4.1.1:front page registation

4.2 Back-end-design

The back end design of the project is mainly based on the base design. The data base of a web site can understood by looking at the back end design. The back end design is basically the one that will work behind the project which is not visible. Back end design works with php programming. There will be a data base. There will be some tables on the data base. These tables are essentially linked together through the entity relationship. This relationship is basically in multiple tables. The complete data base of this project is kept on a server. All data is stored on this server. The back end design part describes how the entire activity of a project will be. All the work of a project is stated in the back end design part. The information provided by donor branch and customers on the project will be stored on the data base, which means that all of this information is stored on the server. At this time, any user or customer entering the site will be able to collect the information they need. Even a customer can see how much blood is on the server.

4.3 Interaction design and ux

The project has some designs for the user that will make it easy for a user to understand. A user will see some products in this project. These products will be very easy and easy for a user to use. From here, the user will get an idea of what kind of product he wants to buy. These products are highlighted in front of a manufacturer using a design. The project will contain the necessary information of blood donors as sand. The information about these donors, how they are stored and supplied, is therefore the main subject of this content. The users used here will master both blood donation and blood donation under the project as per their demand. It is said about how the project will interact. A user can easily understand what the project is saying. Basically all of this is meant to refer to a user. It is used to refer to the work used in the project. The use of it can awaken the mind. He can think of how the project is.

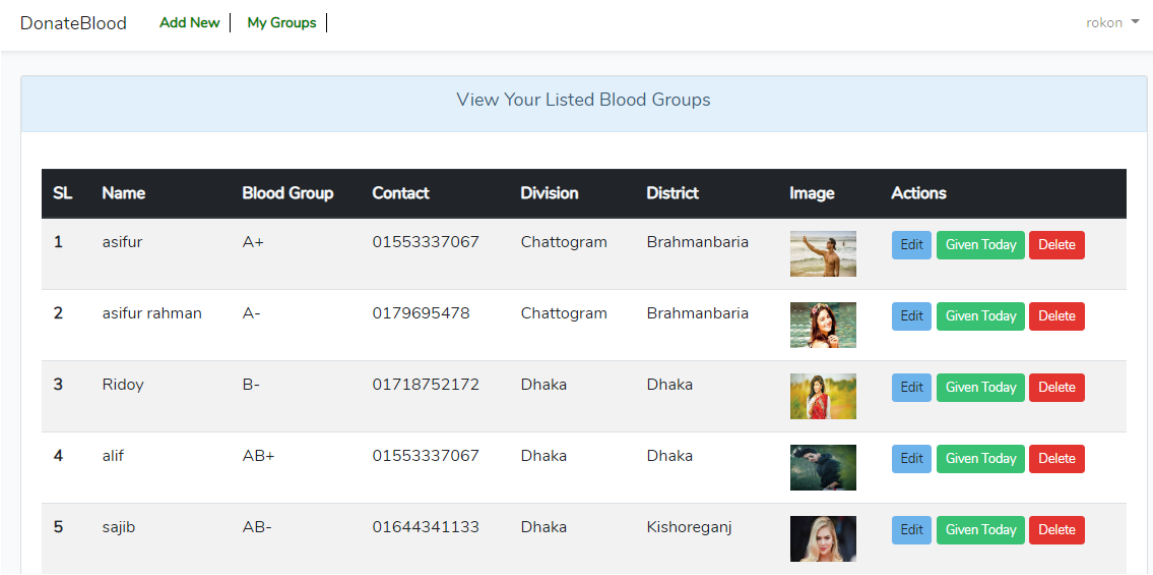


Figure 4.3:front page

Search Donor by Blood Groups

o-

Name	Group	Image	Contact	Division	District	Area	Given
sajid	o-		01963452485	Khulna	Kushtia	Kumarkhali	2019-11-26 02:20:43

Figure 4.3.1:front page

Search Donor by District

Mymensingh

Name	Group	Image	Contact	Division	District	Area	Given
asifur	A+		01756414964	Mymensingh	Mymensingh	Gouripur	2019-11-26 02:14:33

Figure 4.3.2:front page

Search Donor by Area

Kumarkhali

Name	Group	Image	Contact	Division	District	Area	Given
sajid	o-		01963452485	Khulna	Kushtia	Kumarkhali	2019-11-26 02:20:43

Figure 4.3.3:front page

Search Donor by Blood Groups

Search By Group

Name	Group	Image	Contact	Division	District	Area	Given
asifur rahman	B+		01553337067	Chattogram	Bandarban	Alikadam	2019-11-26 02:09:15
rokon	B-		0179695478	Rangpur	Nilphamari	Kishoreganj	2019-11-26 02:13:51
asifur	A+		01756414964	Mymensingh	Mymensingh	Gouripur	2019-11-26 02:14:33
Ridoy	A-		01718752172	Rajshahi	Chapainawabganj	Chapai Nawabganj Sadar	2019-11-26 02:15:46
rimon	AB+		01644341133	Sylhet	Moulvibazar	Juri	2019-11-26 02:16:47

Figure 4.3.4:front page

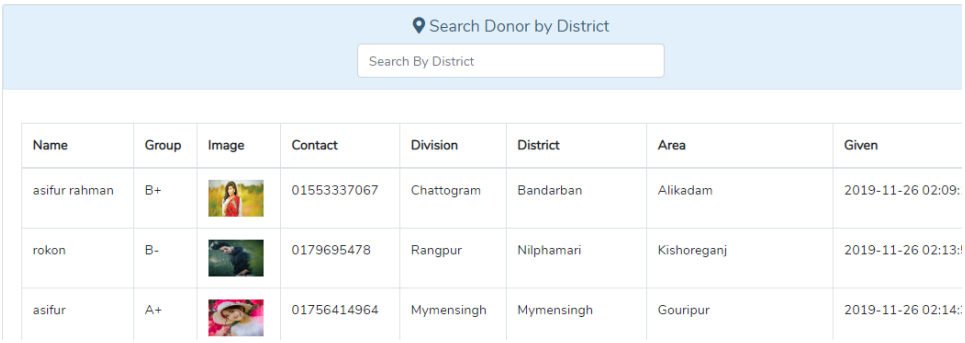


Figure 4.3.5:front page

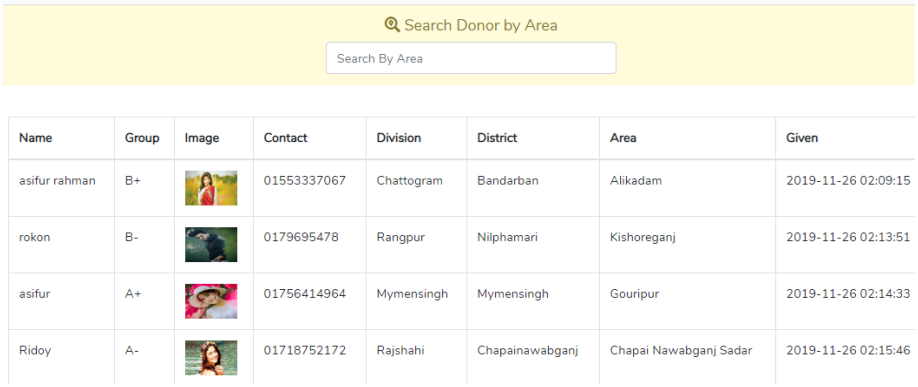


Figure 4.3.6:front page

4.4 Implementation requirements

There is a need for some professional donors behind the implementation of the project. There are also some specialty brunches. It is through these branches that blood donors and blood donors can be found. Having multiple brunches improves the work success and blood supply. Blood donors have a special role to play in implementing the project. Blood donors donate blood at different times. They donate blood on a special day. They also provide this service within 24 hours. Needless to say, they have put in place a web site to launch this service which is fast and time-consuming. One of the requirements of the project is a server. The server on which all project information is being kept. Without this server, it would not be possible to store the data. The project is about to be implemented on a web site. Without this web site, this beautiful project could not have been implemented today. This web site requires a browser to run.

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Implementation of database

Database works on the back of the project. Here is some data. The data is arranged in a systematic way. Database can be varied in project. In this project, the database can basically store the data called storage. Simultaneously, retrieving data can be done in front of a user. Given this situation, a user can understand how much blood he wants to take. The database was originally created by entity relationship. The data is divided into two sections through the entity relationship. One is through one to one relationships and the other is data structured through many to many relationships. The project data contains consists. No data redundancy on this project. The database plays a major role in the project. It is used for all projects. Basically the data base is kept on the project data. All data in a project is kept in this database. Without a database no project can be thought of. Besides, all projects are data base dependent. Not just a web base project. Even databases are now used to create java and android projects. If data cannot be stored then it is not a project. This is called a project without a data base. In that case, it is considered as the first part of the project. To do the project, a data base is divided into several openings. The data of the project is stored in such a rough way.

5.2 Implementation of front end design

Front end design work is done at the front of the project. The front end design was originally implemented with html css. The front end design contains some important information about the project. There is also some content. When the project is logged in, a user will come to the front desk at which the project object is prepared. The front end design part is captured in a diagram of what kind of project is, what kind of work can be done in the project. There is also a text field for donor branch and customers to collect information.

When a user visits a project, he will understand what the project has been used for. All web base projects have front end designs. Without this front end design, the project will not happen. In order to do the project, there must be a front end design. Front end design is done in different ways. A project basically consists of 5 parts. Among them are head, navigation, side bar, original body, footer. The main body describes everything in the project. The front end design is the first to be touched and it runs with any browser. The front end design part is connected through a few pages. It basically says how the front end design works. The front end has some content. Here are some instructions on how to use it. The project works based on the user's instructions. Here a draft sample is developed slowly. There are many features. Here the user will get some fields. This part depends on the user. The utility can use it if is needed. The whole project is done on this front end. Above all you get a sense of how a project can work. Here is how software works to provide benefits. Although the front end works, the user can understand how the software works. All aspects of the project are primary within this front end design. If there is no front part of the project, then no use for any part of the project. Since this is a web base project, one has to make sure that user understands easily. It should be very easy for a user to use.

5.3 Implementation of interactions

The interactions that are used in the project are done with php. One who uses it will easily understand that in this part of the project on allot is given. Interactions are used in the project to basically given a user some additional information at that time. A user is allotted at that time. The user is asked for a specific information. The user is allowed to do the next work of the project if the specified information can be filled in by the user.

5.4 Testing implementation

A project is tested in many ways. This test is done by the software firm's testers as well, from the developers to the others. Testing is basically a software for bug free. The software firm's testers are calling it a bug, rather than a feature that a tester wants. Also a software may contain errors. The software created by a developer is also running in some browsers. Suppose the software is running with Google chrome but it shows the error when running with Mozilla Firefox again. It's kind of like a big test. Also visible is the developer of the software, which can run only on the windows platform, but when the software runs on the mac or Linux platform, it shows error. So, this is a big test too. If there is a software that can be used only by windows users, but macs or Linux user will not be able to use it. In that case, the user will lose the software if they cannot use mac or Linux. In this case the software will outperform the other software. I also tested such bugs in the project. Above all I tested all the features in the project. I also tested how much the software takes to load time. That is, the user interface has been tested by searching the software for the shortest time.

5.5 Test results and reports

When doing a software test, the load test of the software is done first. How many users can use the software at the same time? That's how the software will behave at that time. How long will it take to load the software? The software is a perfect test of how short the user interface can be. It is also possible that one of the companies created a software to verify the error on some pages. Basically all of these things are tested on a software. But I will talk about it in detail. There are basically four types of components used to test the software.

Thread group: This is the first step of the project test. Determines how many users the software will be tested for and how many usages the software will receive. It can be 100 people or more. 100 users will behave as they used to. 1 user will behave as if using it.

Samplers: Some severs are required to test the specified software. Some servers are required to test the software, such as http and https. The url of the software to be tested is sent to the server with a link. When the url goes to port on the server and hits the url the information needed from the server is able to resolve the problem. Basically every test of a software is done. See here much error there is on any page. (youtube, online, 2019)

Listeners: The result obtained after testing the project can be shown by this. After testing a project, its results are tested in different ways. It can be shown in the form of a tree, It is also shown in graph from and the results are also displayed in table size. It is used to shown the results of the project in various shapes after testing. (youtube, 2019)Configuration: The last element that works is the configuration. It acts as the default server for the web page. Bring information from a specific browser to the server. Cookies are stored in the browser. The software starts doing its job.

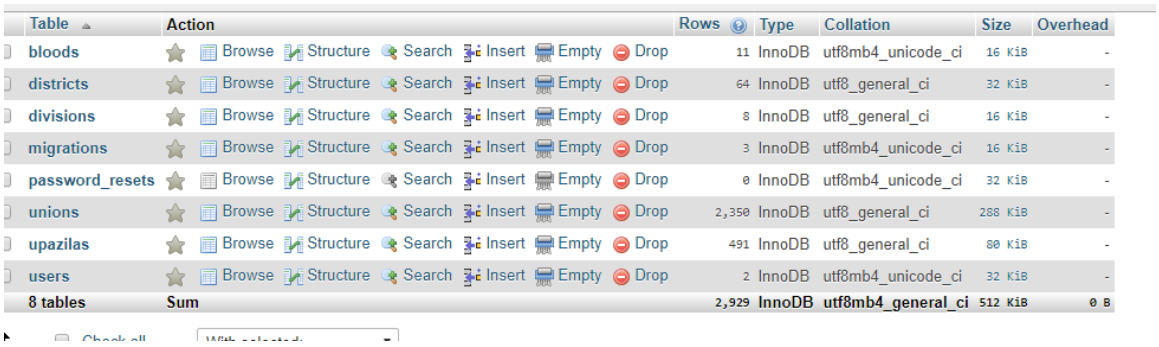
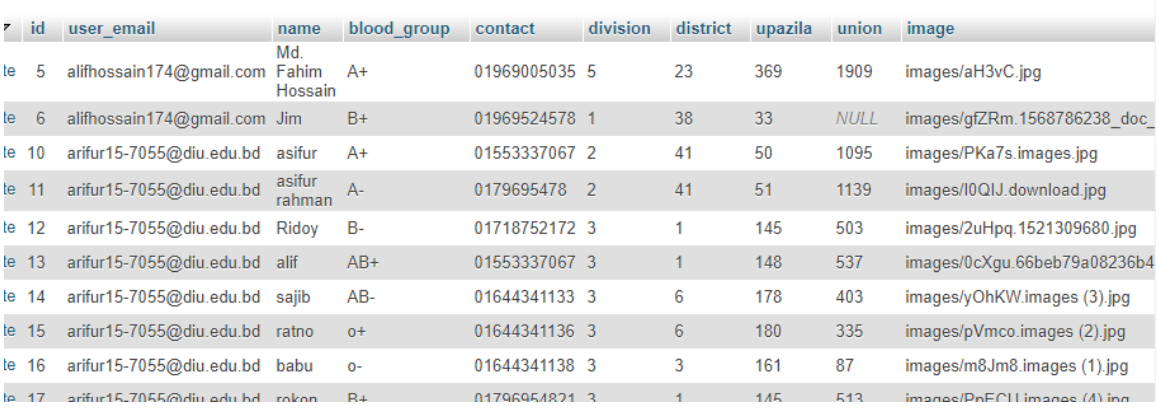


Table	Action	Rows	Type	Collation	Size	Overhead
bloods	Browse Structure Search Insert Empty Drop	11	InnoDB	utf8mb4_unicode_ci	16 KiB	-
districts	Browse Structure Search Insert Empty Drop	64	InnoDB	utf8_general_ci	32 KiB	-
divisions	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8_general_ci	16 KiB	-
migrations	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	16 KiB	-
password_resets	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32 KiB	-
unions	Browse Structure Search Insert Empty Drop	2,350	InnoDB	utf8_general_ci	288 KiB	-
upazilas	Browse Structure Search Insert Empty Drop	491	InnoDB	utf8_general_ci	80 KiB	-
users	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_unicode_ci	32 KiB	-
8 tables	Sum	2,929	InnoDB	utf8mb4_general_ci	512 KiB	0 B

Figure 5.5:Data table back end



id	user_email	name	blood_group	contact	division	district	upazila	union	image
5	alifhossain174@gmail.com	Md. Fahim Hossain	A+	01969005035	5	23	369	1909	images/aH3vC.jpg
6	alifhossain174@gmail.com	Jim	B+	01969524578	1	38	33	NULL	images/gfZRm.1568786238_doc_
10	arifur15-7055@diu.edu.bd	asifur	A+	01553337067	2	41	50	1095	images/PKa7s.images.jpg
11	arifur15-7055@diu.edu.bd	asifur rahman	A-	0179695478	2	41	51	1139	images/I0QIJ.download.jpg
12	arifur15-7055@diu.edu.bd	Ridoy	B-	01718752172	3	1	145	503	images/2uHpq.1521309680.jpg
13	arifur15-7055@diu.edu.bd	alif	AB+	01553337067	3	1	148	537	images/0cXgu.66beb79a08236b4
14	arifur15-7055@diu.edu.bd	sajib	AB-	01644341133	3	6	178	403	images/yOhKW.images (3).jpg
15	arifur15-7055@diu.edu.bd	ratno	o+	01644341136	3	6	180	335	images/pVmco.images (2).jpg
16	arifur15-7055@diu.edu.bd	babu	o-	01644341138	3	3	161	87	images/m8Jm8.images (1).jpg
17	arifur15-7055@diu.edu.bd	rokon	B+	01796954821	3	1	145	513	images/RnECU.images (4).jpg

Figure 5.5.1:Data table back end

After solving the project, it looks at the results which can be realized that a chart will be displayed. The test that chart will do is attract the users who will be visiting the project and from there the traders will take the necessary information. They will see how much blood is on the web site. Some groups have blood. How many bags of blood is there? Donor donated his blood. How many bags donated blood? Donor donated blood to any group. Visitors to this web site will be able to see all donor information.

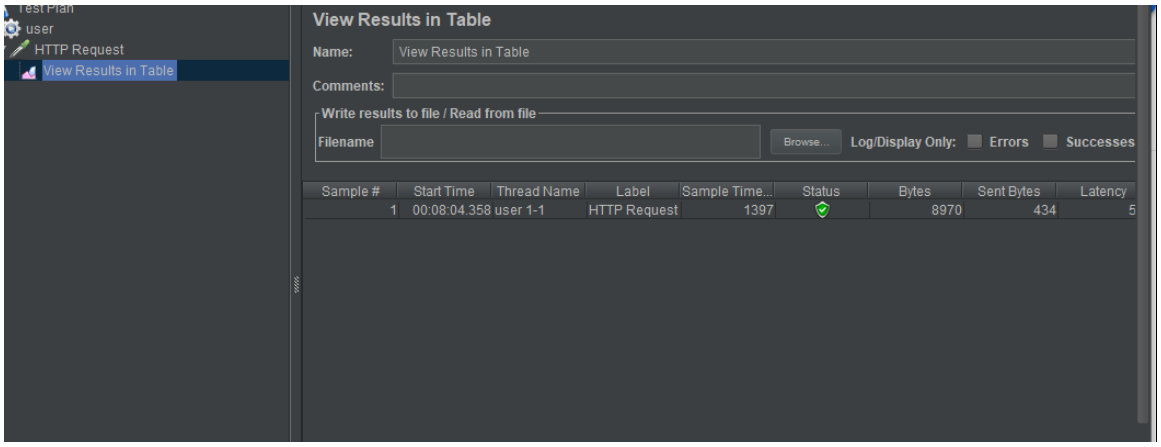


Figure 5.5.2:Report summary table test

Here the login page of the project has been tested. Here is a data load test of about 100 people. If you notice the status of the chart, you can see that the green sports are given. So seeing these green sports indicates that the desired web site has no the error and bugs on the login page. Due to errors and bugs here, sample time, latency was not shown. This is due to a bug in the login page code. But it is his duty as a software tester to ask the login page code developer to solve it. This was a table test of a web site load.

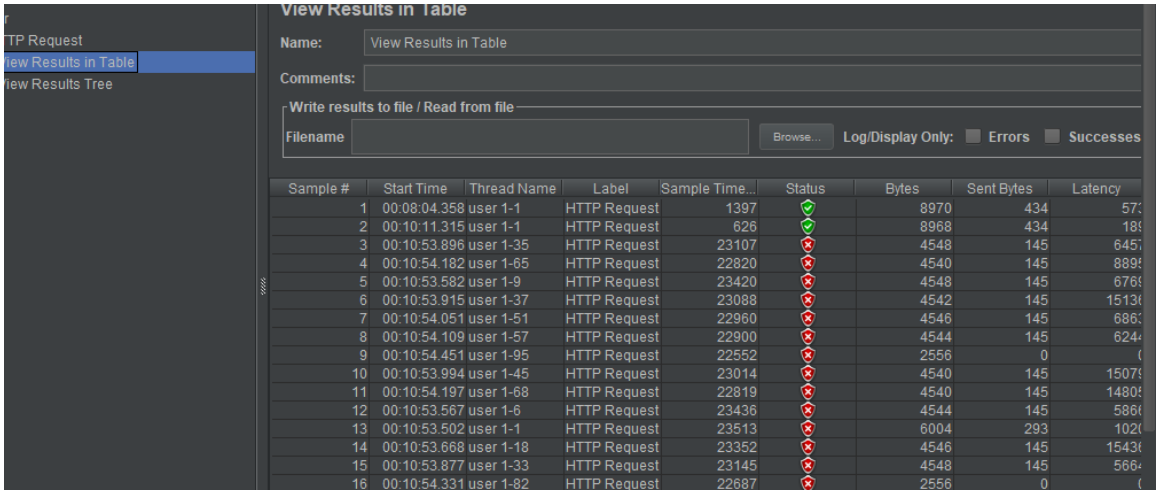


Figure 5.5.3:Admin page load test

Here is the admin page load test. The admin page is shown red. These red spots are shown in the tree system. Software has been tested for loads and there are errors and bugs.

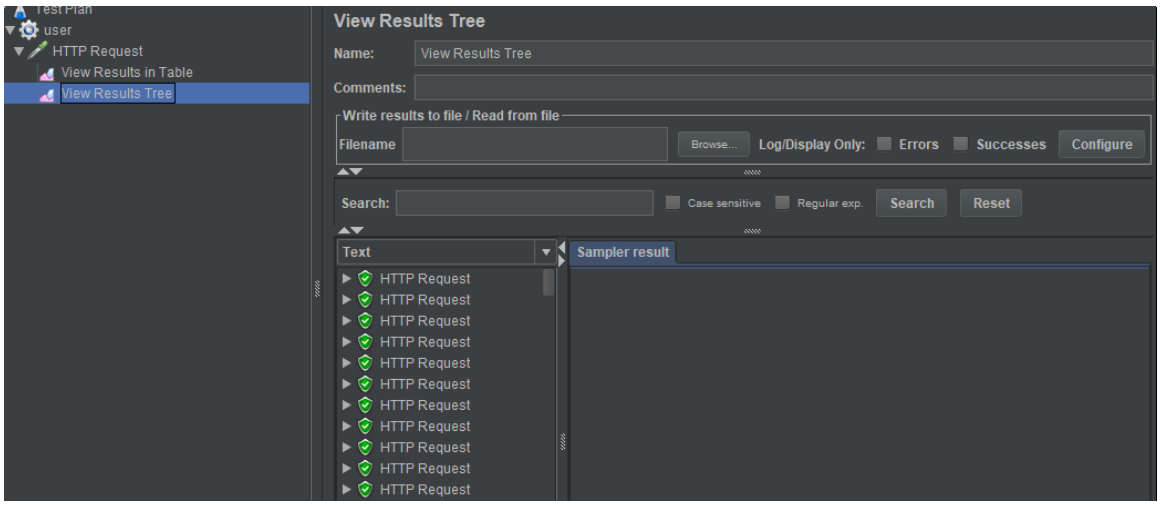


Figure 5.5.4:Add new page test

Load test of a software using tree method. The error and bugs on the software's add new page have been tested. The tree illustrates the no errors with green colors.

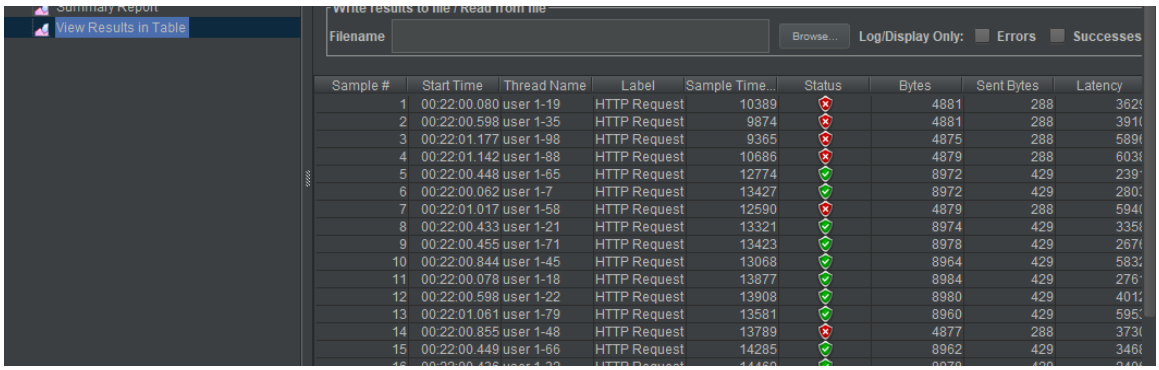


Figure 5.5.5:Add new page test

The add new page has been load tested. Here the add new page status is shown in green. This page has errors and bugs. This page shows red and green. Here is a load test of 100 people. This is resolved in the table method.

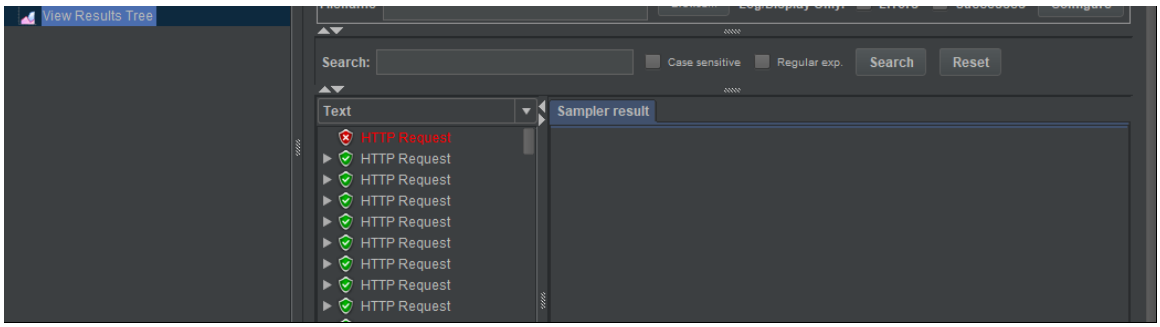


Figure 5.5.6:Add new page test

The add new page was tested in a tree manner. There is error here.

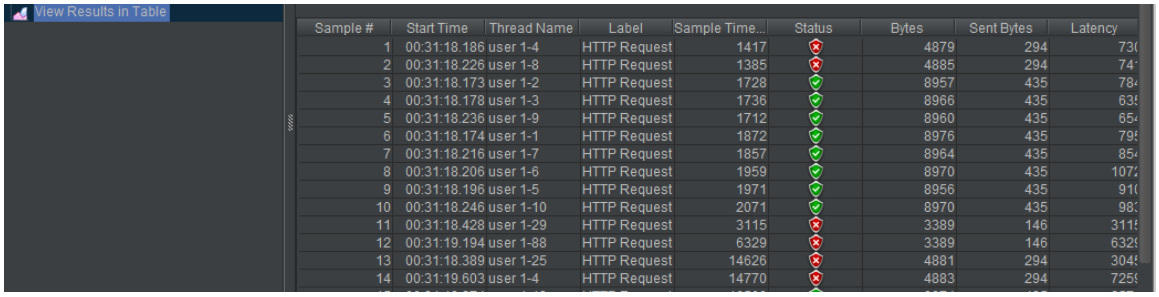


Figure 5.5.7:search page test

The search page of the project has been found in some places in errors. Some of the pages were found bug free. Green sports are seen in some places and red spots in some places.

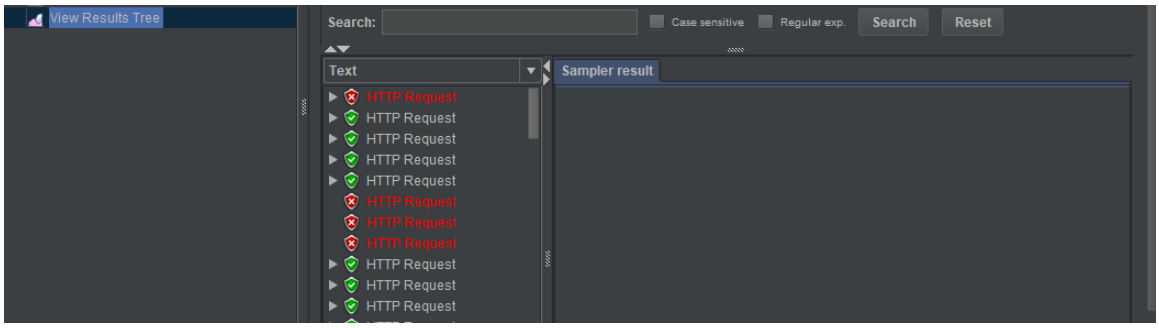


Figure 5.5.8:Search page test

The software has been tested in the page tree method. Software test reports have been found to be somewhat error free, but some have been shown to bug free.

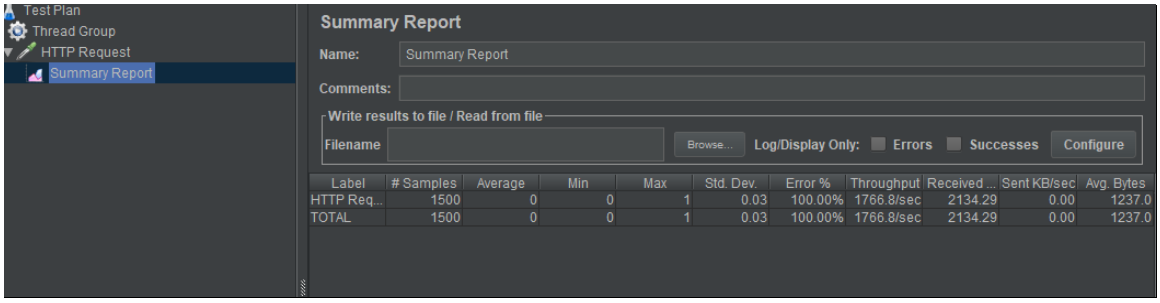


Figure 5.5.9:Search page summary

Tested the search page of the project but no error was found. The whole page looks bug free. The table shows the software summary report.

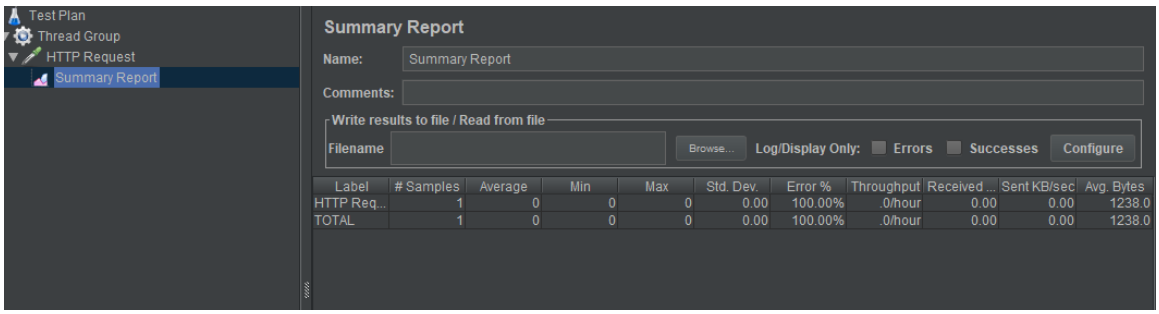


Figure 5.5.10:Blood group page test

The project's search blood group page is completely bug free. The page was tested using the summary report.

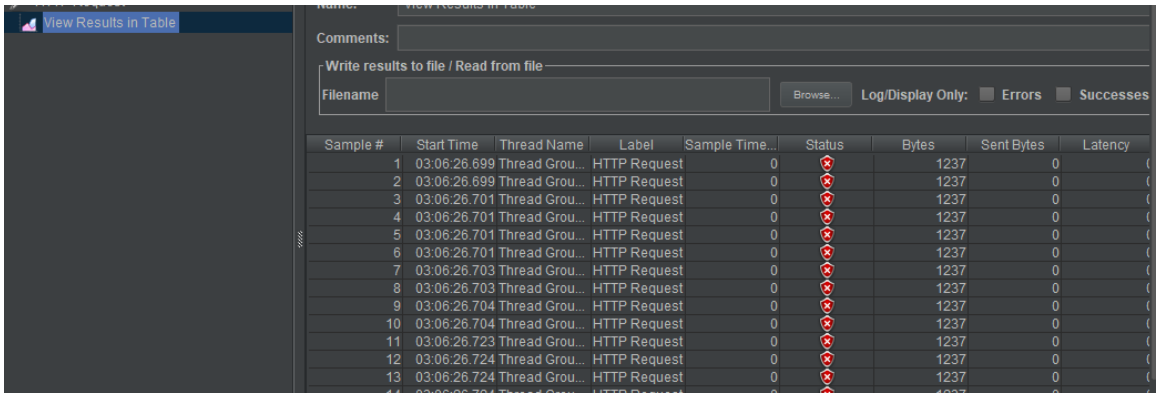


Figure 5.5.11:Blood group page test

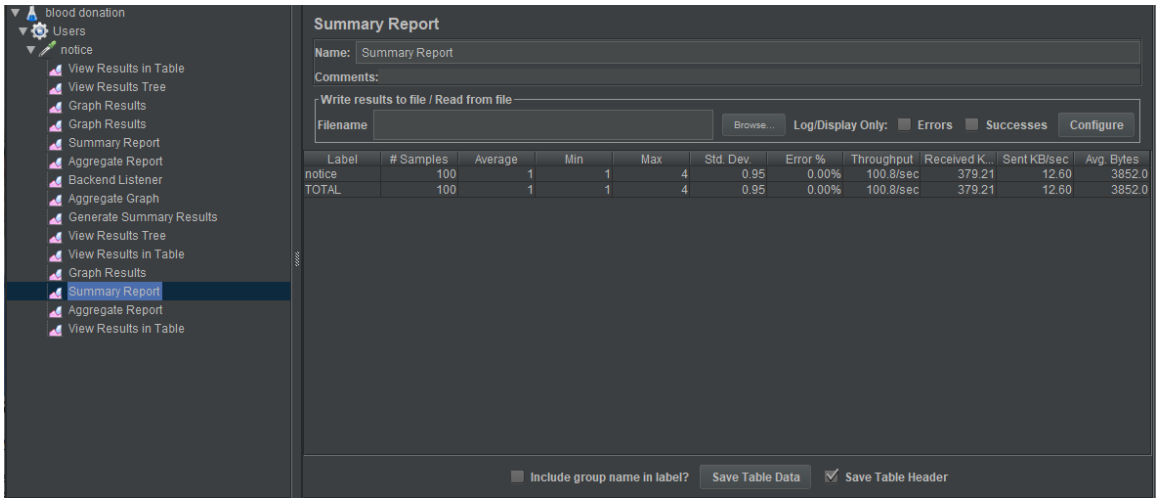


Figure 5.5.12: Blood group page summary

Summary report of the project showed no error. The user will be able to execute the project very nicely.

TABLE 5.5:SUMMARY REPORT TABLE

Label	Sample	Average	Min	Max	Error
Admin	1	0	0	0	100%
Search	150	0	0	1	100%
Login	100	1	1	4	0.0%

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Discussion and conclusion

Above all, great personality is known for completing the project. Through the project, the contribution of the people of ideal and noble humanity is revealed. This project has contributed to the conscience of the ideal man. People know and understand blood donation program is a good program. Yet some people are motivated by this. Some people hesitate to do this. However, it is important to say that some people are encouraged to do good work. Today they are no their way to being able to implement such a program as blood donation. Some people benefit from getting blood through the blood donation program. They learn to live. The blood of others carries the body. He wants to be a man like his honest man. Because the blood of the righteous man is flowing in his body. Honesty and integrity keep him going. Blood can change a person's life. Can make his character appear like an ideal character. To transform the animals inside it into human beings. The cowardly and cruel people did not come forward. They should not learn to save people. Their hearts are hard to rock. People are sticking to death and one point will be saved if they get blood. Neither will save a soul. A nation will survive. It's not true that the accident happened. However, it is best to be on the side to deal with the accident. Even today, the woman who is lying in a bed may be sister. But it is our desire to turn our hands to the help of these people. Someone is searching for blood in a hospital for surgery. Someone is in a dull mood. These people will be helped if they come near. They want to live, they dream of living, they are human beings. Today, when the person returns to life after getting blood, the family will laugh. And he will be indebted. The price of blood is never due. Today, this project is the main holder and carrier for the development of nations and nations. The project works in the public welfare, not the public interest it is possible to achieve frame through human development and empathy. Fraternity between each other is transmitted through blood donation.

They are engaged in mutual friendship. The choice of feeling good and bad becomes a dislike. One gets contentment in saving others of honesty and justice. Violence between each other ends in violence. Corruption is removed from society. Society builds up as a healthy beautiful person.

6.2 Scope for further developments

The blood donation project is a continuation of the current age. All the features used in this project will be a milestone for Brighton. Attempts have been made to add any future features to the project. In all the projects, there is an option for future use. The project has the advantage of being constantly updated. Work is planned to be done on the project in the future. Features have been added to the project for future work. It is now planned to work with the project in the future. The projects have been implemented in line with the era. The context of whether or not the project will take people for the future and the reasons for it is included in the project. Occasional updates may be included in the project to facilitate work. What kind of work is being used for the project is also included in future work. If such a project is more in the future, whether the project can survive in the market or not, the project has been investigated. All these aspects have been kept in mind before the project was created. Advanced technology will come in the future. More and more new programming will arrive in language. It has also been investigated whether the project will lose its users in the meantime. If the project needs to be updated with advanced programming languages, then its options are included in the project. However, the project has included everything needed to improve the quality of the project. As the world continues to adapt, the project can begin to improve. But in that case, the project can be improved. Modern software firms have been focusing on what kind of software they develop. The kind of software they keep updated for the future. In the same way, the projects have been implemented. That way it will be used for future work. These projects are being developed day by day. This trend of development will remain. The steps that have been taken for development are to pursue some serious projects. There are a few new projects to follow.

There are many multinational companies in the country, but we have move forward. The projects that are going on should be followed. See the features of their projects. You have to think about marking such a feature. Try to create good quality features from that project. That place has been left to work on new projects. The place where the feature will be set has been taken for the foreseeable future. You will have to follow the programming language that comes in the future. They have to know the range of their work. Wondering what can be done with this programming language. That should be included in future projects. There was a lot of momentum going on to solve the problem of the project. It becomes easier if the problem goes forward with the goal of solving it slowly. At one point it was the best effort to implement the project findings. Think slowly moving forward. It is up to everyone to find a solution to the problem. The latest project involves trying to find development and moving towards development. There is no comparison of thought. Everything was new. The problem was new. Tie firm to solve new problems. The project continues to grow day by day. Their development is underway. Then think about what the project will look like in future. Will you be able to keep pace with the era? Together, the project is crazy. The project is going to work for the future, a lot of thinking. Development of thinking in the head. What will the project be like for the new generation. What will be the feature. Think about how to make feature feeds easier. Thinking will be done in the future with improved features. There are differences in the future. Imagine a picture of how the project will work in the future. Will the developed countries be able to keep up with the project? All aspects are different in thinking. Realizing future projects will take the applied knowledge a step further.

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[2]wiki, available at <<https://www.wikihow.com/Write-an-Appendix>>, last accessed on 05-11-2019 at 10.14 AM.

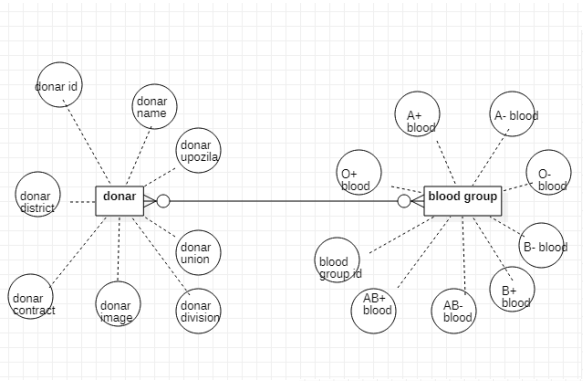
[3]youtube, available at <<https://www.youtube.com/watch?v=mXGcBvWYl-U>>, last accessed on 07-09-2019 at 7.46 PM.

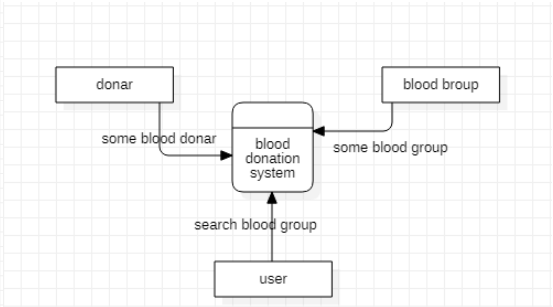
[4]youtube, available at <<https://www.youtube.com/watch?v=mXGcBvWYl-U>>,last accessed on 09-09-2019 at 9.32 AM.

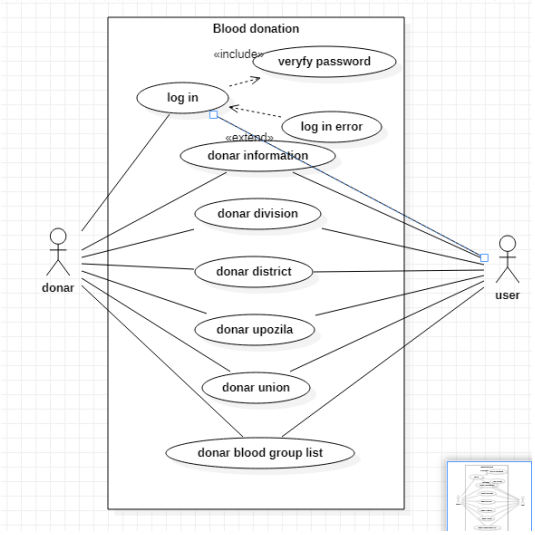
APPENDICES A

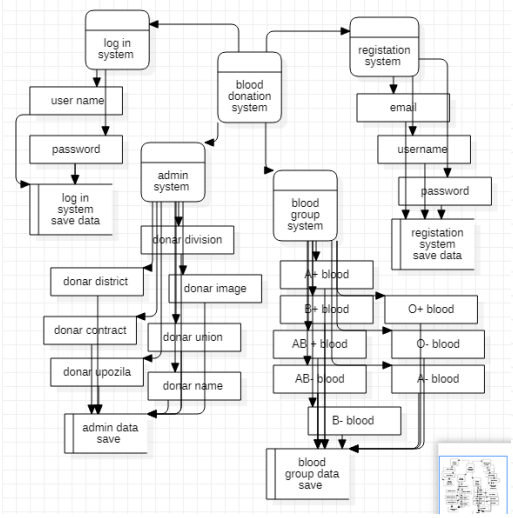
The idea of the project was taken to make some similarities to the original project. Some fantasy features were taken. Some coding ideas were taken. Some of the data needed to do the project include er diagram, entity relationship diagram, and data flow diagram. (wiki, 2019) All of this was at once very similar to the project. There were also some tables and some images. Some data was collected which was later included in the project. Some hints were drawn about the project. Which is subscquently included in the project. Something was taken that complement any to the project. This data was collected from several places. From these data, the several of the project was retrieved. By collecting data, let the project. In order to implement the project some information had to be collected from different places. Here is some information found near multiple sentences. The software was trained on how to test. The answer said it could be tested with jmeter. It was also said that the software could be tested. He says load tests can be done. It was also said that the table can work if the project is done. They said that tables are used in the project mainly to format project data. It was also stated that the project image should be used for some purpose. To keep the images as a project data. Different people's opinions were needed to do the project. To project with different views of different modus. Every man's opinion was different. However, all the people had the same opinion to do this project. The project work was started will also be taken in future. Asked the images to be used as project data.

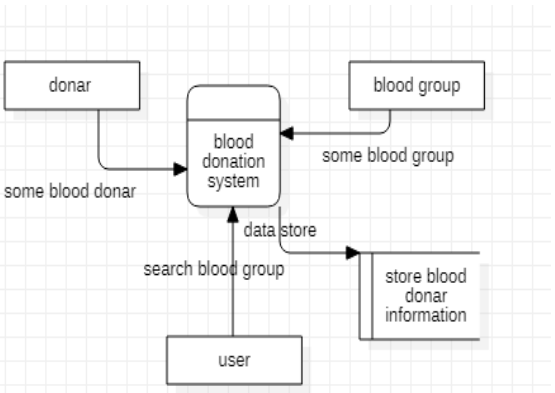
APPENDICES B











Blood Donation

ORIGINALITY REPORT

7%	5%	0%	7%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS

PRIMARY SOURCES

1	Submitted to Daffodil International University Student Paper	4%
2	dspace.daffodilvarsity.edu.bd:8080 Internet Source	2%
3	www.amldz.com Internet Source	<1%
4	Submitted to Asia Pacific University College of Technology and Innovation (UCT Student Paper	<1%
5	Submitted to University of Southampton Student Paper	<1%
6	Submitted to City University Student Paper	<1%
7	www.fiawec.com Internet Source	<1%

8	Submitted to Informatics Education Limited Student Paper	<1%
9	Submitted to Higher Education Commission	