

DOCTORBARRI: A WEB BASED APPLICATION

BY

SANIATUL HAQUE

ID: 152-15-5545

FOYSAL AHMED

ID: 152-15-5918

&

TAIJUL ISLAM

ID: 152-15-5613

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

Supervised By

Mr. Eshtiak Ahmed

Lecturer

Department of CSE

Daffodil International University

Co-Supervised By

Mr. Gazi Zahirul Islam

Assistant Professor

Department of CSE

Daffodil International University



DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

MAY 2019

APPROVAL

This Project/internship titled “**Doctorbarri**”, submitted by Saniatul Haque. ID No: 152-15-5545, Foysal Ahmed. ID No:152-15-5918 and Taijul Islam. ID No:152-15-5613 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 02th may 2019.

BOARD OF EXAMINERS

Dr. Syed Akhter Hossain

Professor and Head

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

Chairman



Nazmun Nessa Moon

Assistant Professor

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

Internal Examiner

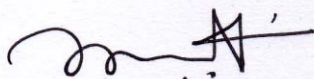


Abdus Sattar

Assistant Professor

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

Internal Examiner



Dr. Mohammad Shorif Uddin

Professor

Department of Computer Science and Engineering
Jahangirnagar University

External Examiner

DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Mr. Eshtiak Ahmed, 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:



Mr. Eshtiak Ahmed
Lecturer
Department of CSE
Daffodil International University

Submitted by:



Saniatul Haque
ID: 152-15-5545
Department of CSE, DIU
Daffodil International University

Co-supervised by:



Mr. Gazi Zahirul Islam
Assistant Professor
Department of CSE
Daffodil International University



Foysal Ahmed
ID: 152-15-5918
Department of CSE, DIU
Daffodil International University



Taijul Islam
ID: 152-15-5613
Department of CSE, DIU
Daffodil International University

ACKNOWLEDGEMENT

First we express our heartiest thanks and thankfulness to almighty **ALLAH** for His heavenly blessing makes us possible to complete the final year project.

We extremely appreciative and wish our significant our obligation to **Mr. Eshtiak Ahmed, Lecturer**, Department of CSE, **Daffodil International University**, Dhaka. Deep Knowledge & distinct fascination of our supervisor in the field of “Web Development” to carry out this project. Her perpetual tolerance, scholarly guidance, continual encouragement, steady and enthusiastic supervision, constructive criticism, important guidance, reading many inferior draft and correcting them at all stage have made it possible to complete this project.

We might want to offer our heartiest thanks to **Dr. Syed Akhter Hossain, Professor and Head**, Department of CSE, Daffodil International University for his thoughtful help to complete our task and furthermore to other employee and the staff of CSE branch of Daffodil International University.

We might want to thank our whole course mate in Daffodil International University, who took part in this discuss while completing the course work. We would like to express our sincere and cordial gratitude to the people those who have supported us directly, evaluated and criticized our work in several phases during the improvement of this project and for preparing this dissertation indirectly the development work and its related exercises.

At last, we must acknowledge with due respect the constant support and patients of our parents. Without their mental and financial supports, we would not ready to finish our project.

ABSTRACT

This project is on “**Doctorbarri**”. This is a kind of Online Hospital Service, which helps us to get information about doctors according specialist, blood, ambulance service, hospital, hospital location, appointment, medical test, patient profile, disease symptoms and many other things. The only main reason we are making this project is to help people. And hope people will be benefited by using it. We all want a sound body but sometimes it cannot be happened cause of sickness. Sickness is a part of human life. So any time he/she would need a doctor, blood, ambulance & hospital is a best place for human medical treatment. You can get maximum support from here.

When people need emergency blood or ambulances or doctors, many of us are finding it difficult to find the right guideline. So for them we have come up with an application that can easily get help from here. Keeping this in mind, we created the website and named it Doctorbarri. I hope people will benefit from this website and believe that it will become very popular if it applies to our country.

TABLE OF CONTENTS

CONTENTS	PAGE
Approval	i
Declaration	ii
Acknowledgement	iii
Abstract	iv
 CHAPTER	
CHAPTER 1: INTRODUCTION	1-2
1.1 Introduction	1
1.2 Motivation	1
1.3 Expected Output	2
1.4 Report layout	2
 CHAPTER 2: BACKGROUND	3-4
2.1 Introduction	3
2.2 Related Works	3
2.3 Comparative Studies	3
2.4 Challenges	4
 CHAPTER 3: REQUIREMENTS SPECIFICATION	5-8
3.1 Business Process Modeling	5
3.2 Requirements Collection Analysis	6

3.2.1 Functional Requirements	6
3.2.2 Non-Functional Requirements	7
3.3 Need of Platform	7
3.4 Used Software	8
3.5 Time Span	8
 CHAPTER 4: DESIGN ANALYSIS	 9-16
4.1 System Analysis	9
4.2 Input Analysis	9
4.3 Output Analysis	10
4.4 Entity Relationship Diagram	10
4.5 Database Management System	11
4.5.1 Database System Structure	11
4.5.2 Data Requirements	12
4.5.3 Database Table	12
4.6 Use Case diagram	16
 CHAPTER 5: MODULES	 17-21
5.1 Doctor	17
5.2 Blood	18
5.2.1 Some Features of Blood Area	18
5.2.1.1 Register Donar	19
5.2.1.2 Search Donor	20
5.3 Ambulance	20-21

CHAPTER 6: IMPLEMENTATION AND TESTING	22-25
6.1 Introduction	22
6.2 Implementation	22
6.3 Server Setup	22
6.4 Testing	22
6.4.1 Objectives of Testing	23
6.4.2 Testing Process	23
6.4.2.1 Unit Testing	24
6.4.2.2 Module Testing	24
6.4.2.3 Integration Testing	24
6.4.2.4 System Testing	24
6.4.2.5 Acceptance Testing	24
6.4.3 Browser Testing	25
CHAPTER 7: CONCLUSION AND FUTURE SCOPE	26
7.1 Discussion and Conclusion	26
7.2 Limitation and Future Scope	26
REFERENCES	27

APPENDIX

APPENDIX	PAGE
Figure A1: Home Page of www.doctorbarri.com	28
Figure A2: Ambulance search bar of www.doctorbarri.com	28
Figure A3: Ambulance search result of www.doctorbarri.com	29
Figure A4: Blood donor search area of www.doctorbarri.com	29
Figure A5: Blood donoar search result of www.doctorbarri.com	30
Figure A6: Donor profile of www.doctorbarri.com	30
Figure A7: Doctor Srarch Page of www.doctorbarri.com	31
Figure A8: Doctor Srarch Result of www.doctorbarri.com	31
Figure A9: Single Doctor Page of www.doctorbarri.com	32
Figure A10: Hospital Search of www.doctorbarri.com	32
Figure B1: Single Hospital List of www.doctorbarri.com	33
Figure B2: Education Video of www.doctorbarri.com	33
Figure B3: Donar Login of www.doctorbarri.com	34
Figure B4: All Roles permission of www.doctorbarri.com	34
Figure B5: Active user of www.doctorbarri.com	34
Figure B6: Super Admin Panel of www.doctorbarri.com	35
Figure B7: Add Ambulance page of www.doctorbarri.com.	35
Figure B8: All Hospital List of www.doctorbarri.com.	36
Figure B9: All Doctors List of www.doctorbarri.com.	36
Figure B10: All Register Donor list of www.doctorbarri.com.	36
Figure C1: Hospital Seat Cost of www.doctorbarri.com.	37
Figure C2: Add Hospital Test Information of www.doctorbarri.com.	37
Figure C3: Add Education Video of www.doctorbarri.com.	37

PLAGIARISM	38
------------	----

LIST OF FIGURES

FIGURES	PAGE
Figure 3.1: Data Flow Diagram Of Admin	5
Figure 3.2: Data Flow Diagram Of Visitor	6
Figure 4.1: Waterfall Development Model	9
Figure 4.2: Entity Relationship Diagram(ERD)	10
Figure 4.3: Simplified Database	11
Figure 4.4: Use Case Of Admin	16
Figure 4.5: Use Case Of Super Admin	16
Figure 5.1: Need Of Blood	18
Figure 6.1: Testing Process	23

LIST OF TABLES

TABLES	PAGE
Table 4.1 All Use Table	12
Table 4.2 Ambulance Table	12
Table 4.3 Dashbord Table	13
Table 4.4 Doctor Speciality Table	13
Table 4.5 Doctor Table	13
Table 4.6 Donor Table	13
Table 4.7 Hospital Table	14
Table 4.8 migration Table	14
Table 4.9 Role User Table	14
Table 4.10 Roles Table	14
Table 4.11 User Table	15
Table 4.12 Seat Cost Table	15
Table 4.13 Videos Table	15
Table 4.14 Hospital Category Table	15
Table 4.15 Test Table	15

CHAPTER 1

INTRODUCTION

1.1 Introduction

Doctorbarri is a web based application. It can be used by all people. This is an online-based service and it can be said.

We have a lot of futures, like finding your doctor, blood search, ambulance service and some important things. There are various types of Doctor List for different types of diseases. You can get these benefits from here. Then there is blood search which can easily take you out of a blood donor. Then there is ambulance service. You can get this beautiful service online from here. Here are some of the more important things you can get from the hospital to your preferred hospital. And you can also know whether there is a seat for a patient.

This project was created by thinking of the general public. That will help a lot of people. It is very easy to use. Anyone can use it. Considering all this and keeping pace with the progress we create this website. **Doctorbarri** named after him. So anyone can go to **Doctorbarri.com** and find these beautiful services.

1.2 Motivation

In our project the main focus is gathering the similar information's about doctors, hospitals, diagnostic centers, emergency ambulance and blood search in a single website. If any person visits our website he will get all of those information and he don't need to visit others. Our website main features are:

- doctors information
- hospital information
- diagnostic center information
- blood search information
- Emergency Ambulance Service

1.3 Expected Output

- The main goal of this project is to provide medical related information through web.
- It will help people to get medical services information any time anywhere by simply browsing a website.
- People will also know about a doctor's specialty, hospitals service, diagnostic centers medical tests and blood services detail and it will help to make a good decision.
- This project also has some business goals. It is promoting a doctor, hospital, diagnostic, blood search, emergency ambulance services to the people.
- The user can find first aid service for his primary treatments.

1.4 Report Layout

In this report we attempt to show all techniques and working system of our project. We discuss about the related site and also compare our project with them. For making a site or take a choice of project first we need to specify the necessity and in this report we discuss it clearly. We also analysis our framework plan and also describe our project's testing procedure. At last we evaluation our project and give a final conclusion of our project.

CHAPTER 2

BACKGROUND

2.1 Introduction

We live in a developed world. Nowadays we need to keep pace with the world. So today people also want medical help at online. There are many approaches to get this. But there is no particular site to get all type of medicinal help. Our project will attempt to cover this gap. Our medical supportive site will attempt to provide all kind of medical support on the web. User can search hospital, doctor, ambulance, diagnostic center, blood bank etc.

2.2 Related Works

It is a remarkable advent for our country is that a small number of related website has been created by different designers which are already known some users. There have some website like “www.doctorsbd.com”, “www.doctorola.com”, where we find the information of hospital, doctor, advisor, diagnostic center & blood. By utilizing our site the user can search about all medical supportive features.[1],[2]

2.3 Comparative Studies

But those sites don't have all of the features which are given in our website. We believe in our website we want to show those feature together & additional feature like doctor, ambulance service, blood search, first aid services, medical shop, ideal body weight & health tips of expert doctor. Our user can easily find a doctor, a hospital, a diagnostic center or a blood donar by using our search technique. We add the latest blog which contain the new smart technology of doctorbari. We have attempt to create a beautiful web site that will help a lot of people. Client can find information about us & contact with us. The simplified interface of the site will require just the basic and necessary steps to finish the task which will be more efficient.



Figure 2.1: Homepage of www.doctorbarri.com

2.4 Challenges

Our site provides a number of services that will help people to find the information of doctors, hospital, ambulance, blood donar,& medical shop information in a single website where others provide either doctors or hospitals or diagnostic center but not all of those. Client can find information about us & contact with us. Our principle challenge is to meet their needs. At first we did a lot of research, talked with many people who want this kind of services. From this knowledge we built our website to meet the needs of those people. And we are not skilled professional web developers. So another test for us would be to make this site without any limitations, errors and faults. However, we are sure and hopeful that we can complete this site without any vital problem and with this project we can also develop our knowledge about web design and development.

CHAPTER 3

REQUIREMENTS SPECIFICATION

3.1 Business Process Modeling

Business process demonstrating is a procedure for speaking to the work process of a framework. Graph base as "stream outline", are the principle normal for the philosophy. Here we characterize our plan of action utilizing Data Flow Diagram. Information Flow Diagram depicts how information is handled through a framework. In the figure we endeavor to draw a dimension.

3.1.1 Data Flow Diagram(DFD)

This is basically whole scenario of our project. All the control is on the hand of super admin. For controlling the whole system super admin need to login. There also need to login of other users like Ambulance Doctor Hospital and blood Donor. There is big database. All the data and information stored in that database.[3]

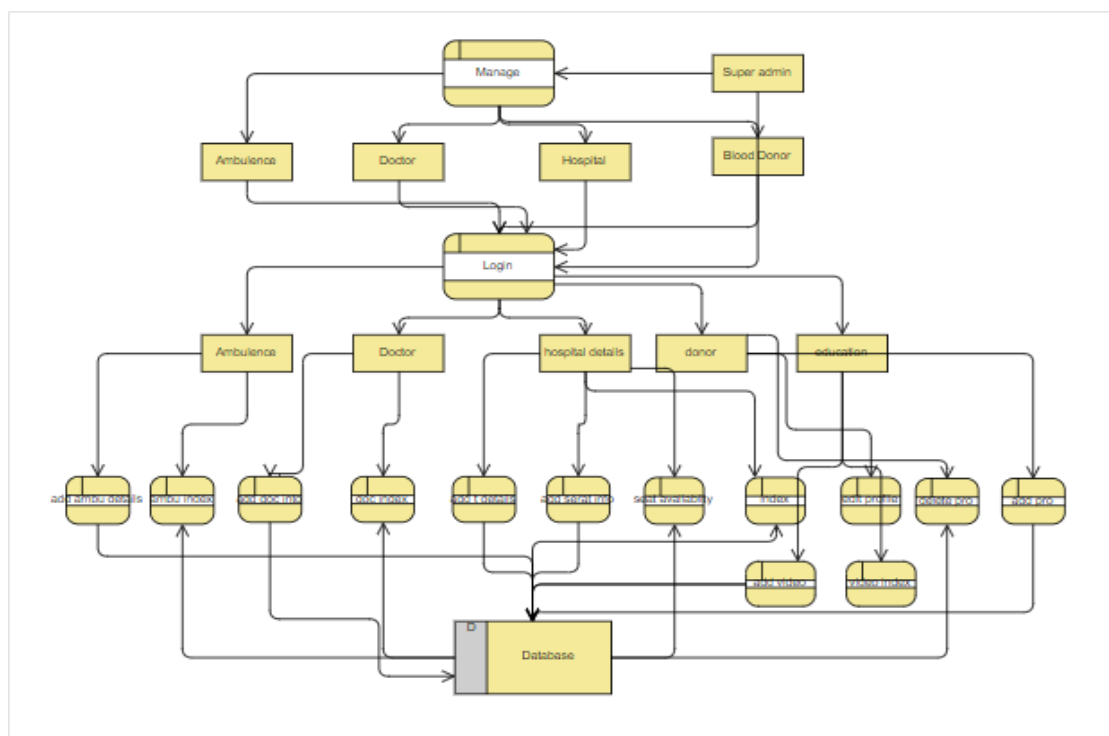


Figure 3.1: Data Flow Diagram of Admin

Figure 3.2 Shows the scenario of visitor. Visitor can do some specific task like searching doctor, blood donor, ambulance. Visitor gets the data from the database.

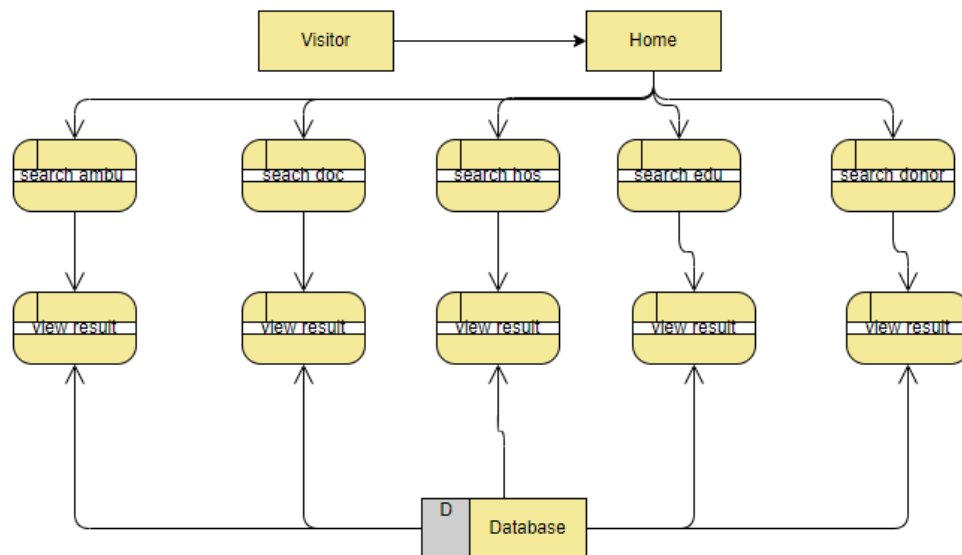


Figure 3.2: Data Flow Diagram of Visitor

3.2 Requirement Collection and Analysis

Requirement collection and analysis is one of the essential states of use improvement. For organization, there are two kinds of necessities, one is functional requirement and the other is non-functional requirement. Functional requirements is those exercises that is the application programming can perform. On the other hand, non-functional requirements define the identity of an application, as like the application is how much productive, execution issue of the application and many more.

3.2.1 Functional Requirement

From the perspective of our framework, it ought to have numerous practical requirements like, a registration area, a login area where just confirm individual can get to, a dashboard for keeping up client profile. Dashboard additionally contains progressively other bit like, doctor search, doctor information, hospital information, blood search, hospital location and health tips etc.

3.2.2 Non-functional Requirement

Non-functional requirements are help to being increasingly productive; streamline execution, memory expending, smoother activity, and burden on rapidly as conceivable to our application. Application UI ought to be easy to use and gorgeous for incredible user experience. Bangla alternatives ought to be kept here for the individuals who think less about English. For simple search using intelligible pictures.

3.3 Need Of Platform

DoctorBari is an important platform and its requirements are immense in our country. If there is no time available in the right time, doctors, blood, ambulance etc in our country, then many major accidents can happen. In our country there are many people in the country who have no known relatives, so that they are too late to get these help in the right time. So they will help us in this platform. He will be able to find his favorite doctor by entering here. Finding blood if needed or at the same time he can get the ambulance service and now. You can also find out more about the location or seat in different hospitals. If we can spread the platform to the whole of the country, then it could be a big platform and the employment of many people. So in the end, I can say that its requirements and importance are immense in our country.

What we have used to create this platform .these are given to the page:

- Html5
- Css3
- Bootstraps
- Javascript
- JQuery
- Laravel &
- Php

3.4 Softwares

Doctorbarri is a web based application. This Doctorbarri Web site is very well designed and therefore we have used html5 and Css. Here also used bootstrap. Many big developers in the world use the bootstrap and it looks very nice. Then we used jquery and javascript on this website. Using our website jquery and javascript makes it even stronger. JQuery is a JavaScript library, so it operates on top of JavaScript. The biggest thing on our website is that we've used Laravel now. And this Laravel now uses big developers and it's much safer. And We've also used PHP language. Our web application is responsive, so Android users can use it very well.

3.5 Time Span

Our system was complex and a difficult one. As a result we already knew that we could take some time. So we used to sit on daily work without wasting time. Complex Problems in our project was based on the time scheduling, our **Doctorbarri** system targets and features in our system. Time scheduling was the one of the difficult part cause it the main thing in which our project will be completed. If we were unable to complete on time it would be great danger for us. So, we just divide our time to complete each one of the task to complete the whole project. As a result, the work was completed before the time. The time limit is given to the page:

Time scheduling: Analysis	1.5 Month
Design of modules	1.5 Month
Coding	5.5 Months
Testing and Implementing	2 Weeks
Total	8 Months and 29 days

CHAPTER 4

DESIGN ANALYSIS

4.1 System Analysis

The framework examination is a point by point examination of the distinctive exercises performed by the present system and their relationship inside and outside of the framework. One piece of examination is describing the points of confinement of the system and choosing if a confident system should consider other related structures. Here, we completed system examination by the info investigation, yield examination and information investigation of existing system. At the preliminary period of the examination, we had taken after the going with cascade improvement framework.[4]

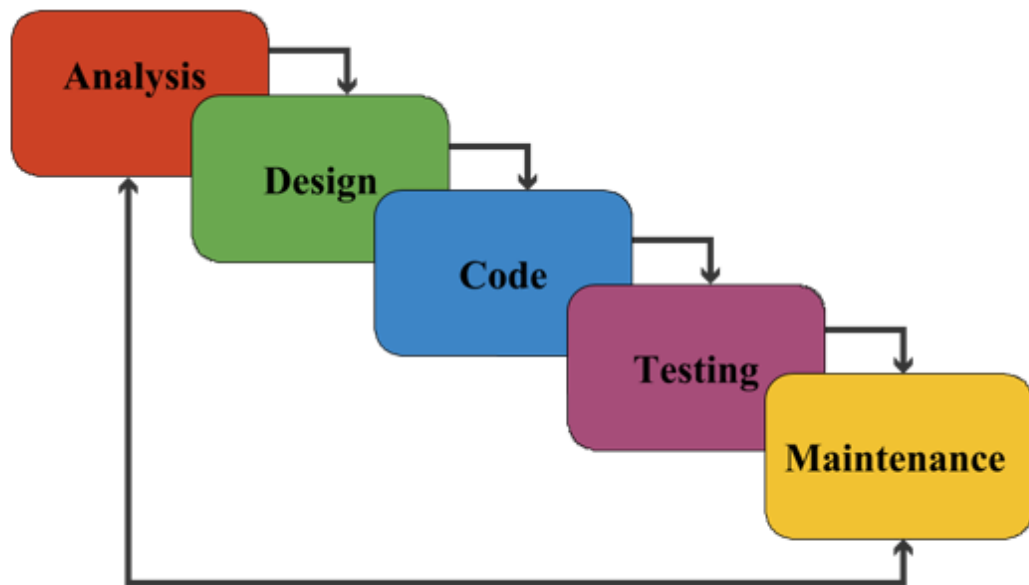


Figure 4.1: Waterfall Development Model

4.2 Input Analysis

In information preparing, incorrectly data are the most broadly perceived reason of mistakes. Blunders entered by the customers can be controlled by input plan. Input

plan is the path toward changing over customer started commitments to a PC based association. When recognized, suitable Input media are picked for planning.

4.3 Output Analysis

Computer yield is a standout amongst the most crucial and direct wellspring of information to the client. Successful and reasonable yield setup should upgrade the yield plan with the customer and help in essential leadership.

4.4 Entity Relationship Diagram (ERD)

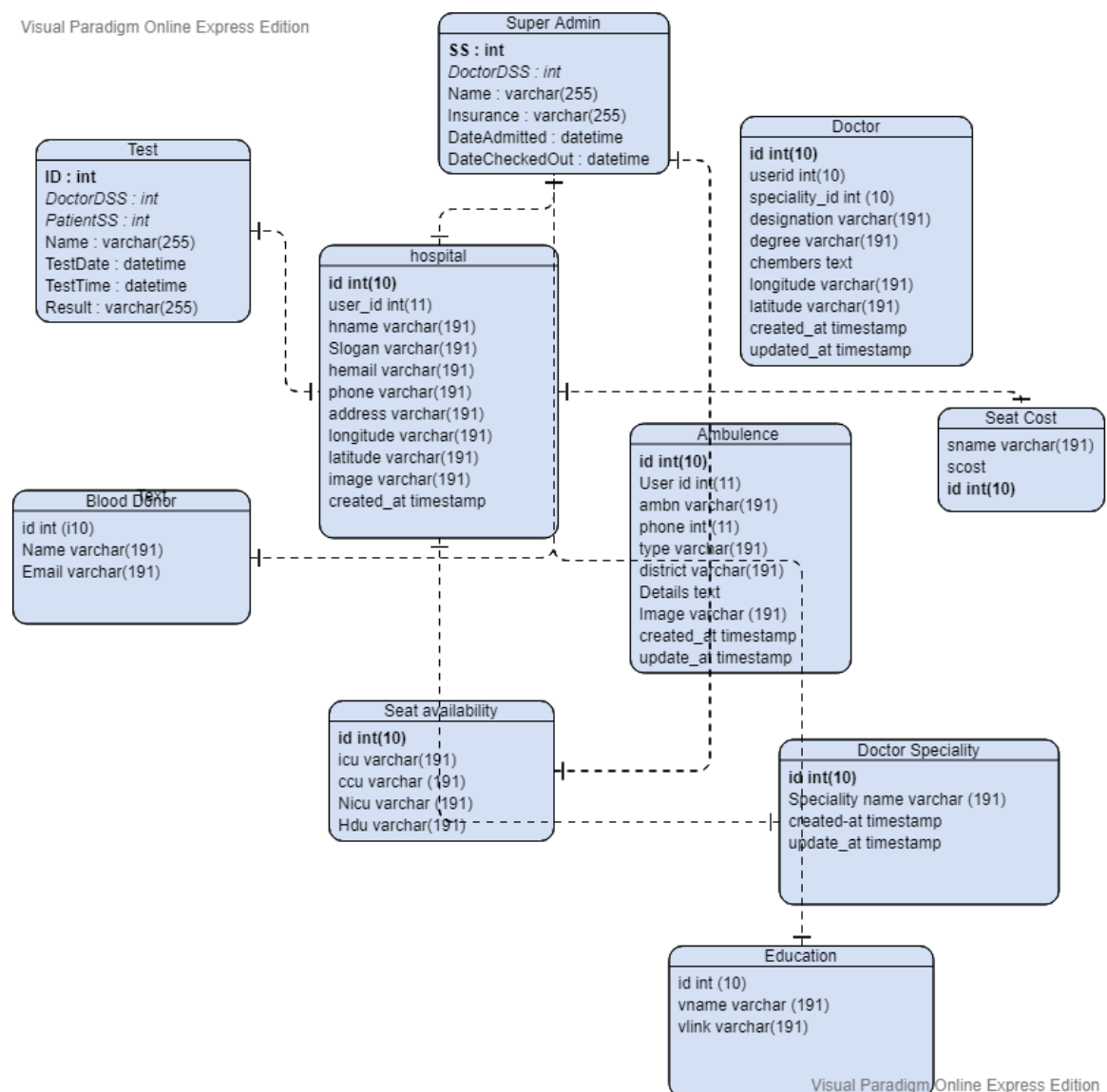


Figure 4.2: ERD Diagram [7]

4.5 Database Management System (DBMS

Database Management System or DBMS in short suggests the advancement of securing and recuperating customers data with most outrageous profitability close by fitting wellbeing endeavors. This instructional practice elucidates the nuts and bolts of DBMS.

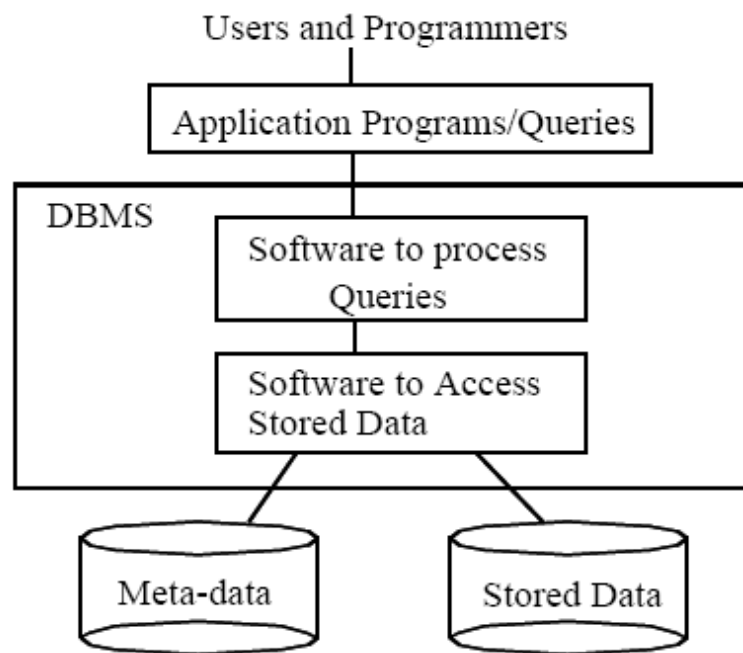


Figure: 4.3: A simplified database

4.5.1 Database System Structure

Database frameworks are sectioned into modules for various capacities. The useful parts of a database framework can be isolated into the capacity supervisor and the inquiry processor parts. A few capacities might be given by the working framework Segments include:

- **File chief:** oversees task of circle space and data structures used to address information on plate.
- **Data records:** store the database itself.
- **Data word** reference: stores data about the structure of the database.

4.5.2 Data Requirements

Director is distinguished by their id esteems. For login they likewise have password Distinctive organization have diverse password. A client have recognized by their legitimate client id and secret key.

4.5.3 Database Tables

In this area, the attributes & data types of the considerable number of tables of our framework are depicted successively. These tables additionally center around invalid qualities of each property.

Table 4.1: all_user

#	Name	Type
1	id 	int(10)
2	name	varchar(191)
3	email 	varchar(191)
4	password	varchar(191)
5	show_pass	varchar(191)
6	status	varchar(191)
7	remember_token	varchar(100)
8	created_at	timestamp
9	updated_at	timestamp

Table 4.2: ambulance

#	Name	Type
1	id 	int(10)
2	user_id	int(11)
3	ambn 	varchar(191)
4	phone	int(11)
5	type	varchar(191)
6	district	varchar(191)
7	details	text
8	image	varchar(191)
9	created_at	timestamp
10	updated_at	timestamp

Table 4.3: dashbord

#	Name	Type
1	id 	int(10)
2	name	varchar(191)
3	email 	varchar(191)
4	password	varchar(191)
5	remember_token	varchar(100)
6	created_at	timestamp
7	updated_at	timestamp

Table 4.4: doctor_speciality

Name	Type
id 	int(10)
specialty_name	varchar(191)
created_at	timestamp
updated_at	timestamp

Table 4.5: doctor

#	Name	Type
1	id 	int(10)
2	user_id	int(11)
3	specialty_id	int(10)
4	designation	varchar(191)
5	degree	varchar(191)
6	chambers	text
7	longitude	varchar(191)
8	latitude	varchar(191)
9	created_at	timestamp
10	updated_at	timestamp

Table 4.6: donor

#	Name	Type
☐ 1	id 	int(10)
☐ 2	name	varchar(191)
☐ 3	gender	varchar(191)
☐ 4	dob	varchar(191)
☐ 5	bg	varchar(191)
☐ 6	district	varchar(191)
☐ 7	address	varchar(191)
☐ 8	ldt	varchar(191)
☐ 9	number	varchar(191)
☐ 10	fid	varchar(191)
☐ 11	email 	varchar(191)
☐ 12	password	varchar(191)
☐ 13	remember_token	varchar(100)
☐ 14	created_at	timestamp
☐ 15	updated_at	timestamp

Table 4.7: hospital

#	Name	Type
1	id 	int(10)
2	user_id	int(11)
3	hname	varchar(191)
4	slogan	varchar(191)
5	hemail	varchar(191)
6	phone	varchar(191)
7	aphone	varchar(191)
8	address	varchar(191)
9	longitude	varchar(191)
10	latitude	varchar(191)
11	image	varchar(191)
12	created_at	timestamp

Table 4.8: migration

Name	Type
id 	int(10)
migration	varchar(191)
batch	int(11)

Table 4.9: role user

#	Name	Type
☐ 1	id 	int(10)
☐ 2	role_id 	int(10)
☐ 3	user_id 	int(10)

Table 4.10: roles

#	Name	Type
1	id 	int(10)
2	name 	varchar(191)
3	description	varchar(191)
4	created_at	timestamp
5	updated_at	timestamp

Table 4.11: user

#	Name	Type
1	id 🔑	int(10)
2	name	varchar(191)
3	email 🔑	varchar(191)
4	password	varchar(191)
5	show_pass	varchar(191)
6	status	varchar(191)
7	remember_token	varchar(100)
8	created_at	timestamp
9	updated_at	timestamp

Table 4.12: seat cost

#	Name	Type
1	id 🔑	int(10)
2	user_id	int(11)
3	sname	varchar(191)
4	scost	varchar(191)
5	squantity	varchar(191)
6	created_at	timestamp
7	updated_at	timestamp

Table 4.13: videos

#	Name	Type
1	id 🔑	int(10)
2	vname	varchar(191)
3	vlink	text
4	created_at	timestamp
5	updated_at	timestamp

Table 4.14: hospital category

#	Name	Type
1	id 🔑	int(10)
2	category_name	varchar(191)
3	created_at	timestamp
4	updated_at	timestamp

Table 4.15: Test

Name	Type
id 🔑	int(10)
user_id	int(11)
tname	varchar(191)
tcost	varchar(191)
created_at	timestamp
updated_at	timestamp

4.6 Use Case Diagram

This is the whole scenario of admin panel of our project. Basically here show that five types of admin panel such as super admin, blood admin, hospital admin, doctor admin, ambulance admin.

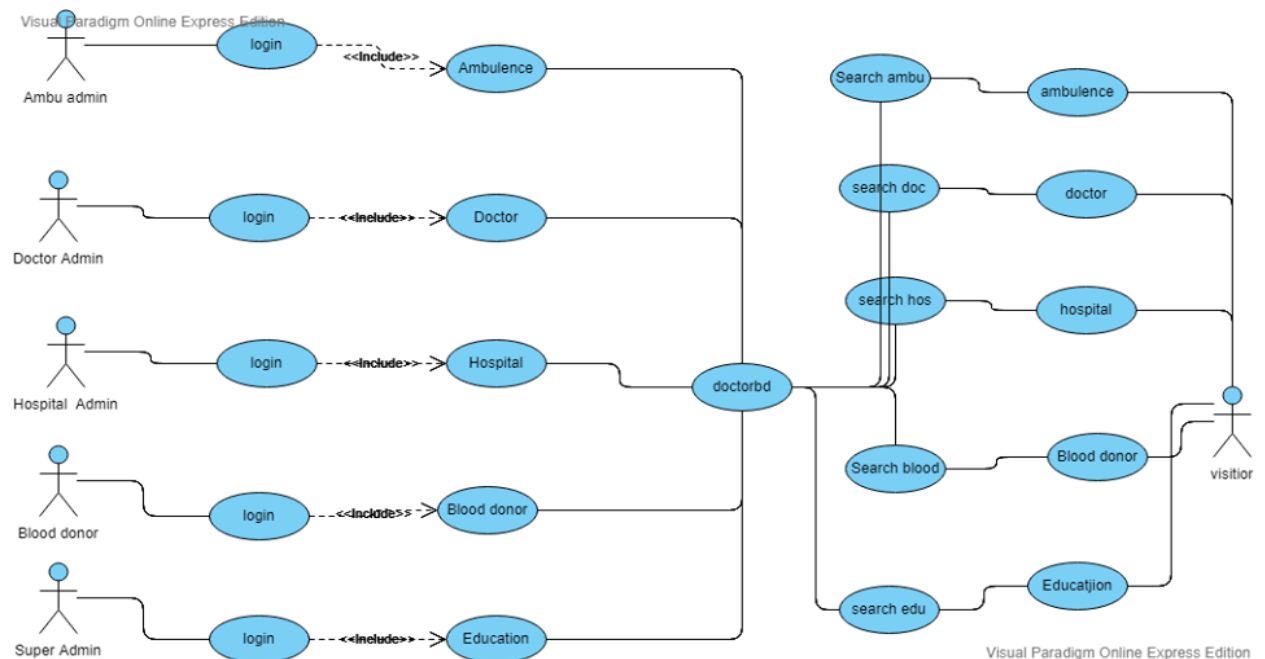


Figure: 4.4: Use Case Diagram Of Admin

Figure 4.5 shows that this is the admin panel of super admin. All the control is on the hand of super admin. For controlling the whole system super admin need to login.

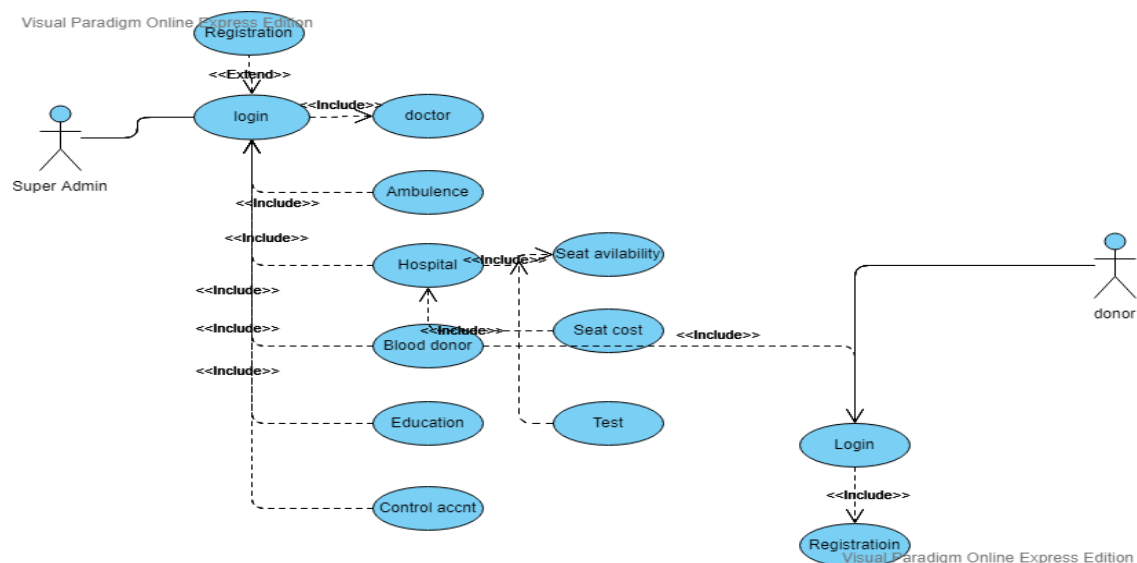


Figure: 4.5: Use Case Diagram Of Super Admin

CHAPTER 5

MODULES

5.1 Doctor

Doctor is most important for us. Generally our country people are 100% not educated. Here, proper facility is not available. Everything is adulterated surrounding us, especially various types of foods. As a result everyday peoples affected by many other diseases. Every people want to right treatment in right time by proper doctors. But people face lot of problem to get these types of service. Everyone should be conscious about right doctor when they will get sick. The middle class people number is more than in our country. Those who can't take proper medical care. Because, their lack of understanding about medical sector. That problem will removed by this website. Sometimes peoples waste money by wrong treatment. That problem will removed by this website. In site to ensure monitoring and evaluation important data of specialist doctor.

So to solve this problem we have created a platform by which people will get a lot of help and get rid of many accidents. Our application has various specialties for various diseases. As a result, you can find the doctor you choose. And you get all of that doctor's details from where you get it, when the doctor comes to the hospital. So you first login to our website and type in the search box, you will get all the information. We want to keep pace as the developed world and transform our country into a digital country.

We will try to lower the specified characteristics or outcomes in the initial stages. In our site will be given all the doctor information of Dhaka city. All doctors will be divided according to the Special Category. Such as Cardiologist, Dermatologist, Gynecologist, Medical geneticist, Neurologist, Surgeon, and nose, ears, throat specialist etc. So, people don't be confused.

5.2 Blood

Every three seconds there is some one around the worlds needs blood. So our main purpose of this project was to help people. A person can easily find a blood donor who enters our project. And anyone can register blood if you want.user can communicate with blood donar directly and the same time ,they can sent request to many blood donars for blood.

When a patient in a hospital needs blood very quickly, then blood donors can not be found or not found in Blood Bank. Then there can be major accidents. And to solve that problem, we created our project.

Here,every donars have a personal profile and donars big database with location.Here all registered to members their request through this application.No people will suffer from searching blood.

5.2.1 Some features of blood section are:

- Register as Donor
- Search Donor
- Request Blood

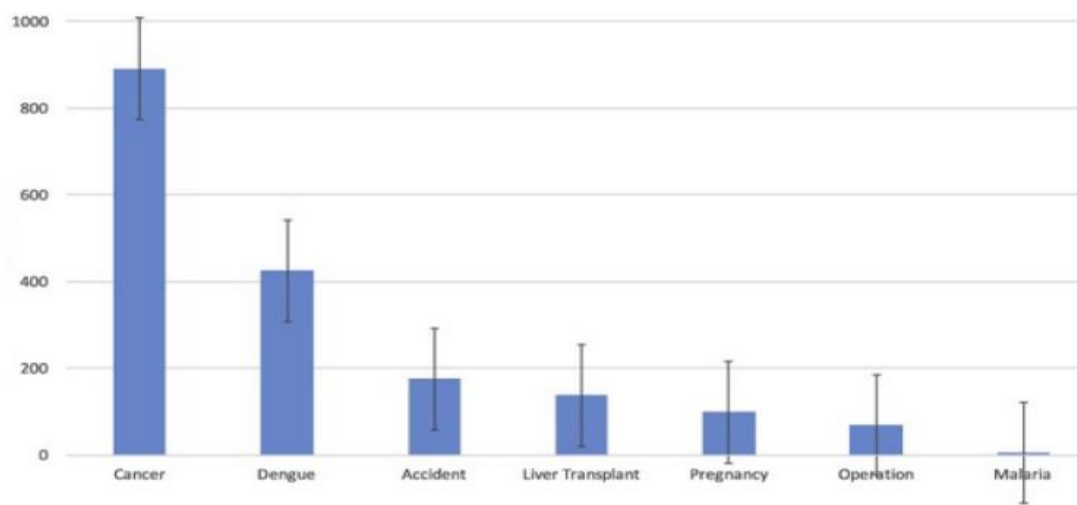


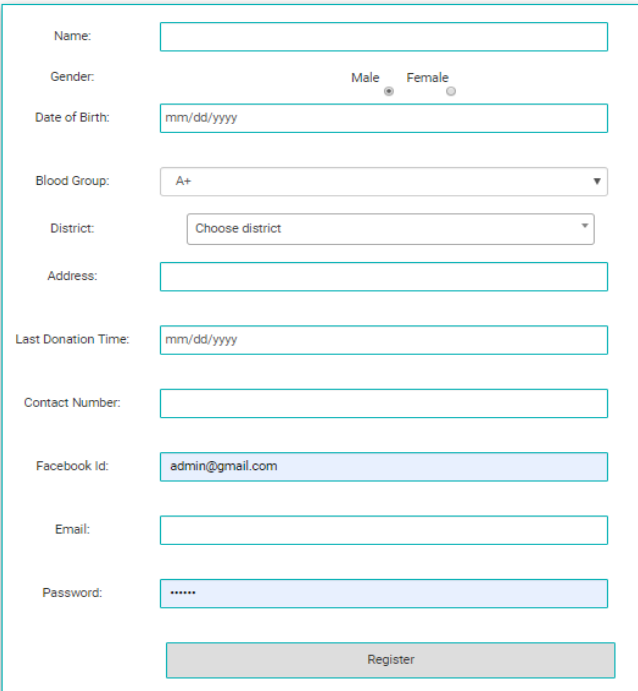
Figure:5.1: The reason for the need of blood.

5.2.1.1 Register as Donor

Any person can register in this system. The login of register information requires that each user enters the defined usernames and passwords.

The following data is entered into the register, as applicable:

- Name
- Email Address
- Phone Number
- Gender
- Age
- Blood Group
- Location
- Birth Date
- Facebook id
- District



The image shows a web form titled "DONOR REGISTRATION FORM" in blue text. The form is enclosed in a light blue border and contains the following fields and controls:

- Name:** A text input field.
- Gender:** Two radio buttons labeled "Male" and "Female". The "Male" button is selected.
- Date of Birth:** A text input field with a placeholder "mm/dd/yyyy".
- Blood Group:** A dropdown menu with "A+" selected.
- District:** A dropdown menu with "Choose district" selected.
- Address:** A text input field.
- Last Donation Time:** A text input field with a placeholder "mm/dd/yyyy".
- Contact Number:** A text input field.
- Facebook Id:** A text input field containing "admin@gmail.com".
- Email:** A text input field.
- Password:** A text input field with masked characters "*****".
- Register:** A grey button at the bottom right of the form.

Figure 5.2: Donor registration demo.

5.2.1.2 Search Donor

The search results are intended for quick searching of multiple entity types. When a people need urgent blood then user search the blood in this system.

The screenshot displays the DoctorBarri website's search interface. At the top, there is a header with social media icons, contact information (Call Now: 0177248816, E-mail: foysal_saniatul_tajul@gmail.com), and a Login/Register button. Below the header is a teal navigation bar with links: Home, Find Ambulance, Blood, Hospital, Doctor, Education, and About Us. The main content area features a large heading "I'm looking for a Blood Donor" and a search form. The form includes a "Select City:" dropdown, a "Choose district" dropdown, a "Blood Group:" dropdown with "Choose group" as an option, and a "Search" button. Below the search form, a message states "You also can choose donor form below". Underneath this message are three donor cards, each with a profile picture placeholder, a name, and a blood group: SANI (Blood Group: AB+), HASAN (Blood Group: A+), and FOYSAL AHMED (Blood Group: AB+).

Figure 5.3: Donor search box

5.3 Ambulance

Ambulance is very important for a patient. Because when an ambulance is needed for a person, it can be seen that we do not get it for a long time or it is too late. So to solve these problems, we have this idea. Our project has a feature called ambulance service. You can easily find an ambulance where you enter. We have a variety of ambulances here. These are given below:

- AC Ambulance
- Non-AC Ambulance
- ICU Ambulance
- Freezer Van

[f](#)[t](#)[G+](#)[@](#)[p](#)

Call Now 01772488816

E-mail foyzal_saniatul_tajul@gmail.com

Login/Register

DoctorBarri

HomeFind AmbulanceBloodHospitalDoctorEducationAbout Us

I'm looking for a ambulance

Select City:

Choose district

Choose Ambulance type

Search

You also can choose ambulance form below



AMB564



AMB544



AMB56

Figure 5.4: Ambulance search box

©Daffodil International University

21

CHAPTER 6

IMPLEMENTATION AND TESTING

6.1 Introduction

Anything before actualized it should be tested for the expected outcome and its efficiency. The framework design is not always perfect. The execution of a framework can be improved by ceaseless testing and development. So before the last implementation of it should guarantee that framework is given expected outcome and proficiency. Planning a 100% immaculate framework is an extremely troublesome activity. Unique structures have diverse execution and output. Improve calculation area, poor programming or time limitations make blunders that must be eliminated before the final implementation of the system.

6.2 Implementation

When we want to actualize a new system anyplace we have to think about the all environment where the new system will run. In the execution level we need to think which server, OS, Web server or database programming we will use for the best execution. While executing another framework anyplace designers need to consider all out conditions in where the new system will run. A short discussing the stage OS, Web server or the database programming also necessary at the implementation label because ill-advised determination could reduce the performance of the system.

6.3 Server Setup

All work of web applications takes place on the web server. It is also called a web server. We've used two types of web servers here. Web server and Apache server. Here we used apache server because our system developed by PHP and MySQL.

6.4 Testing

Software testing is a basic component of programming and especially the outline of the

code. This testing will be successful when a client can be happy of this project and this will be perfect.

6.4.1 Objectives of Testing

There are many objectives to test the system, as:

- Testing is a system of executing a program with the point of finding mistakes.
- A decent experiment is one that has a probability of finding critical bugs as-yet unfamiliar.

6.4.2 Testing Process

For the most part the progression of testing practices is segment trying, joining at that point customer testing. Regardless, as disfigurements are found at any one stage, they require program acclimation to them and this may require distinctive stages in the testing strategy to be reiterated. Oversights in program sections, state, may wind up obvious at a later period of the testing methodology is thusly an iterative one with

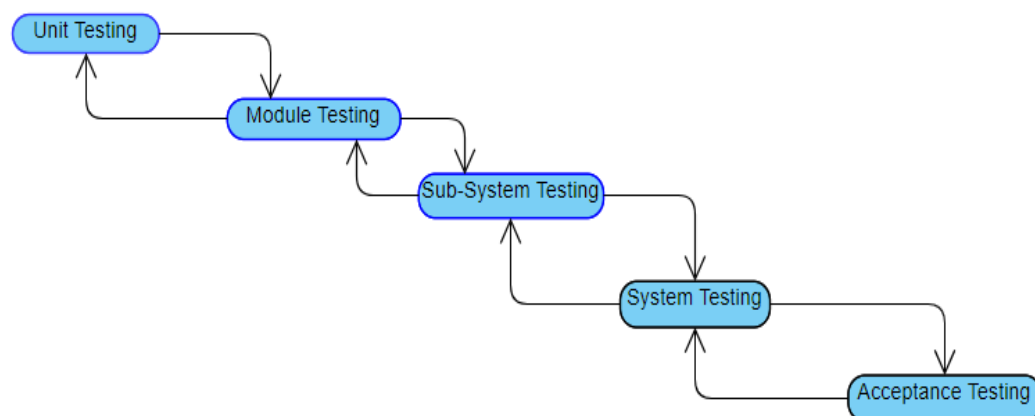


Figure 6.1: The Testing Process

Information being supported afresh from later stages to earlier pieces of the methodology. In the above figure, bolts from the highest point of the cases show the typical succession of testing. The bolts coming back to the past box demonstrate that past testing stages may must be rehashed. The phases in the testing procedure are.[10]

6.4.2.1 Unit Testing

Solitary parts are endeavored to ensure that they work precisely. Each part or segment is attempted uninhibitedly, without other framework part. Each piece of the site is tried to guarantee that the point by point configuration is effectively actualized. It has been finished to ensure that each bit of the framework capacities as per requirements.

6.4.2.2 Module Testing

A module is a collection of ward sections, for instance, object class data of some looser social affair of strategies and capacity.

6.4.2.3 Integration Testing

A dynamic procedure is used to check the joining of the pages inside the site. It is seen that it is serviceable for customer to investigate to and from the pages of the site.

6.4.2.4 System Testing

The sub-framework is fused to make up the entire framework. The testing strategy is stressed over finding botches which result from unforeseen coordinated effort between sub-framework and framework segments. Framework testing has been finished going before foundation and it is watched that the system functions as demonstrated by necessities and there is no issue.

6.4.2.5 Acceptance Testing

This is toward the end in the testing methodology before the structure is recognized for operational using. System is attempted with structure procurer gave data instead of mirrored test data. Affirmation testing is at some point called alpha testing. The alpha testing process continues until the structure creator and the client agree that the passed on system is an sufficient execution of the structure necessities. There is furthermore another kind of testing process called beta testing. At the point when a framework is to be advertised as a product item, usually utilized.

6.4.3 Browser Testing

Table 5.1: Browser Testing

Browser Name	Test	Result
Google chrome	Yes	Works Properly
Firefox	yes	Works Properly
Internet explorer	yes	Works Properly

CHAPTER 7

CONCLUSION

7.1 Discussion and Conclusion

We know sickness is a part of life. So whenever he/she would require a specialist. Hospital is a best spot for human medicinal treatment. Determination is a piece of restorative treatment at that point blood donation center is the correct where we can get any gatherings of blood. For the time being busyness takes as much time as is needed of multi day. So we generally look for least demanding approach to discover something. Web is a big resource where we can easily find what we are searching for. Considering those matter we build our medical supportive website perfectly "www.doctorbari.com" with giving a few crucial highlights, for example, emergency treatment, specialists, medical clinics, rescue vehicle, diagnostics, blood donation centers and so forth. We trust that individuals will be profited by this site. In this site, our customers are specialists, emergency clinics, symptomatic focuses and blood donation center managements can easily promote their business in a large scale area. We trust that if implemented it will be famous and useful medical supportive website.

7.2 Limitations & Future Scope

Each online application framework has constraints just as our health Door framework has a few restrictions. A client when works our application must need to web through network and before login the framework client must make account with mobile number and E-mail. Our doctorbarri framework future degree will splendid and well. If we can implement this technology in future, people will get a lot of good benefits and we believe that people will be more aware of their own health. In our country like Doctorbarri the web based solutions are most important. And our country will be transformed into a digital country.

REFERENCES

- [1] "doctorbd", www.doctorbd.com [Accessed on 29.03.2019]
- [2] "doctorola", www.doctorola.com [Accessed on 29.03.2019]
- [3] "DFD Components", <https://www.lucidchart.com/pages/data-flow-diagram> [Accessed on 29.03.2019]
- [4] "Waterfall Model", <https://www.toolsqa.com/software-testing/waterfall-model/> [Accessed on 29.03.2019]
- [5] "DFD Diagram ", <https://www.lucidchart.com/pages/data-flow-diagram> [Accessed on 29.03.2019]
- [6] "USE Case Diagram", <https://www.smartdraw.com/use-case-diagram/> [Accessed on 29.03.2019]
- [7] "ER Diagram", <https://www.smartdraw.com/entity-relationship-diagram/> [Accessed on 29.03.2019]
- [8] "Database design", <https://www.guru99.com/database-design.html> [Accessed on 29.03.2019]
- [9] "Data Relationship", <https://opentextbc.ca/dbdesign01/chapter/chapter-8-entity-relationship-model/> [Accessed on 29.03.2019.]
- [10] "Testing Process" <https://www.toolsqa.com/software-testing/test-process-in-software-testing/> [Accessed on 29.03.2019]

APPENDIX



Figure A1: Home Page of www.doctorbarri.com

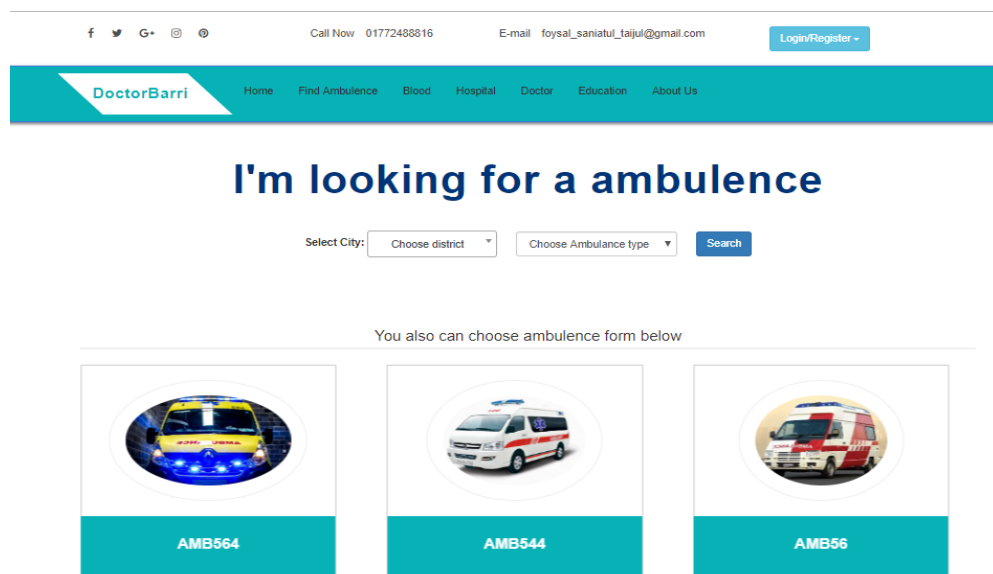


Figure A2: Ambulance search bar of www.doctorbarri.com

[f](#)
[t](#)
[G+](#)
[@](#)
[v](#)

Call Now 0177248816 E-mail foysal_saniatul_tajul@gmail.com [Login/Register +](#)

DoctorBarri Home Find Ambulance Blood Hospital Doctor Education About Us

I'm looking for a ambulance

Select City: Choose Ambulance type [Search](#)

TOTAL AMBULANCE FOUND: 1

You can choose any ambulance from this list. Choose your nearest one.

Content(click for more details)	Location	Contact	Book
 Desh Ambulance Consultant, Dept. of Neonatology, Medicare Diagnostic & Hospital Kamrangichar Diabetic Centre Neonatology (New Born Issues)	Comilla	019337891	Book

Figure A3: Ambulance search result of www.doctorbarri.com

[f](#)
[t](#)
[G+](#)
[@](#)
[v](#)

Call Now 0177248816 E-mail foysal_saniatul_tajul@gmail.com [Login/Register +](#)

DoctorBarri Home Find Ambulance Blood Hospital Doctor Education About Us

I'm looking for a Blood Donor

Select City: Blood Group: [Search](#)

You also can choose donor form below

 SANI Blood Group:AB+	 HASAN Blood Group:A+	 FOYSAL AHMED Blood Group:AB+
--	--	--

Figure A4: Blood donor search area of www.doctorbarri.com

[f](#) [t](#) [G+](#) [i](#) [o](#)

Call Now 01772488816 E-mail foyss_saniatul_tajul@gmail.com [Login/Register](#)

DoctorBarri Home Find Ambulance Blood Hospital Doctor Education About Us

I'm looking for a Blood Donor

Select City: Blood Group: [Search](#)

TOTAL DONOR FOUND: 2

You can choose any Donor from this list. Choose your nearest one.

Content(click for more details)	Contact Number	District	Address	Last Donation Time
 Foyssal Ahmed DONOR GROUP: AB+	01532659787	Comilla	shukrabad, dhanmondi 32, dhaka	2019-02-02
 sani DONOR GROUP: AB+	01532659787	Comilla	raicecourse , comilla	2019-03-13

Figure A5: Blood donoar search result of www.doctorbarri.com

[f](#) [t](#) [G+](#) [i](#) [o](#)

Call Now 01772488816 E-mail foyssal_saniatul_tajul@gmail.com

DoctorBarri Home Find Ambulance Blood Hospital Doctor Education About Us

Donor Profile sani ▼

Name: sani
 Gender: male
 Date of Birth: 1989-03-15
 Blood Group: AB+
 District: Comilla
 Address: raicecourse , comilla
 Last Donation Time: 2019-03-13
 Contact Number: 01532659787
 Facebook Id: admin@gmail.com
 Email: doctor@gmail.com

[Edit](#)

Figure A6: Donor profile of www.doctorbarri.com

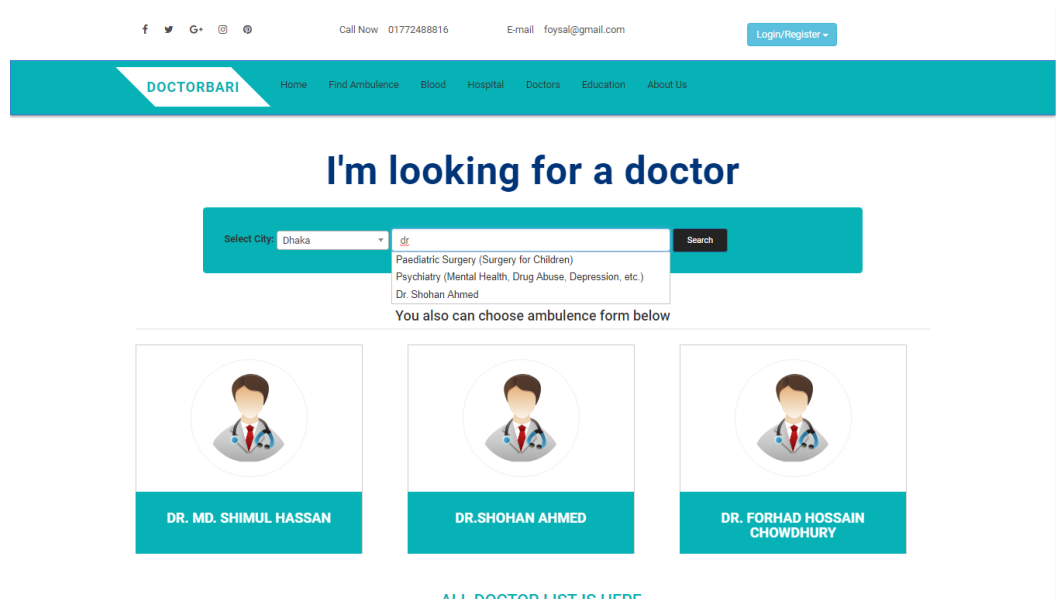


Figure A7: Doctor Search Page of www.doctorbarri.com

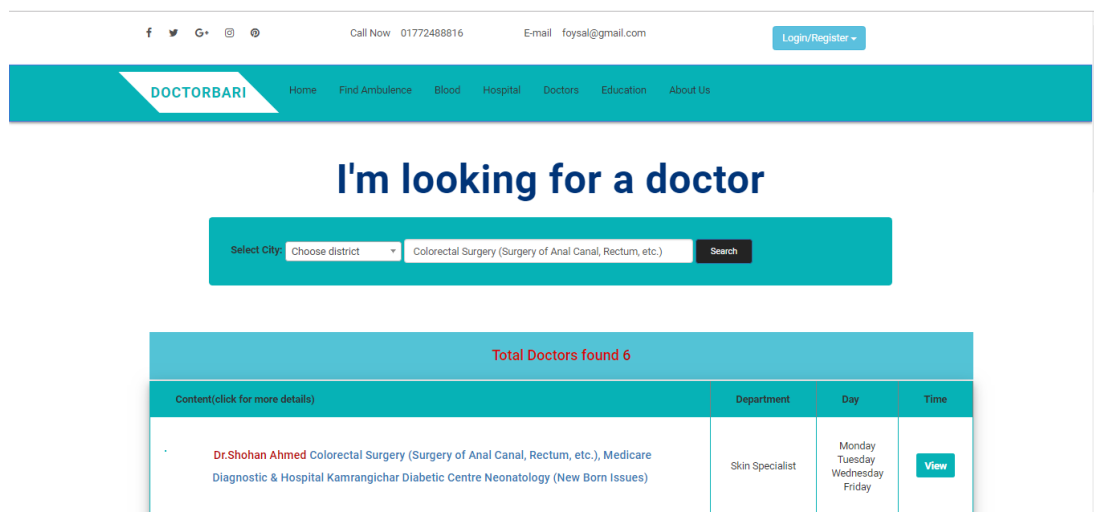


Figure A8: Doctor Search Result of www.doctorbarri.com

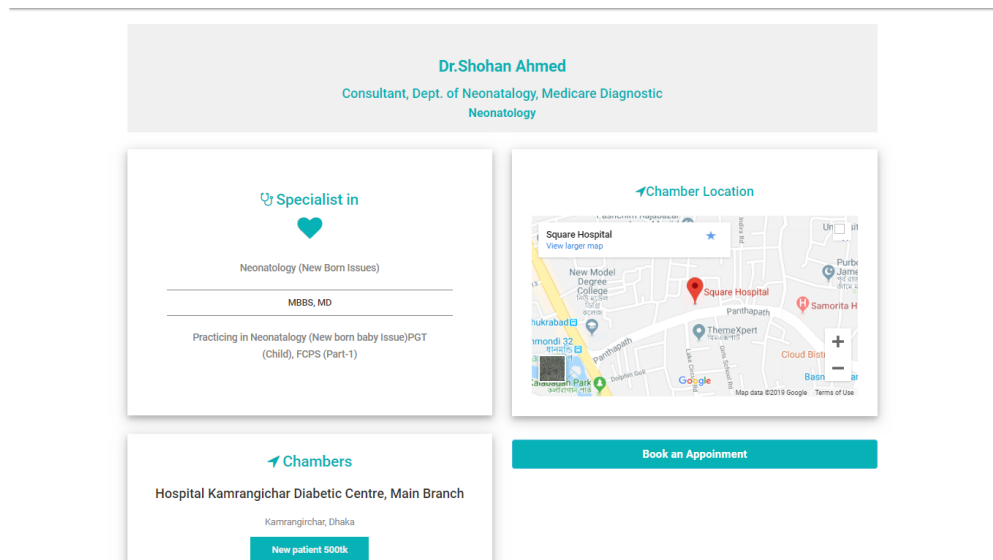


Figure A9: Single Doctor Page of www.doctorbarri.com

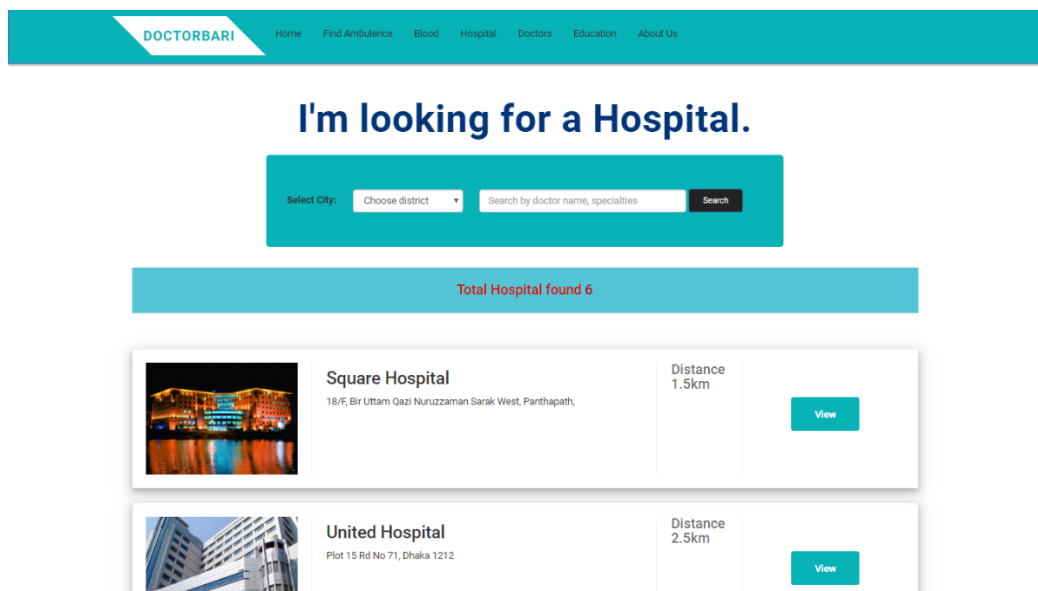


Figure A10: Hospital Search of www.doctorbarri.com

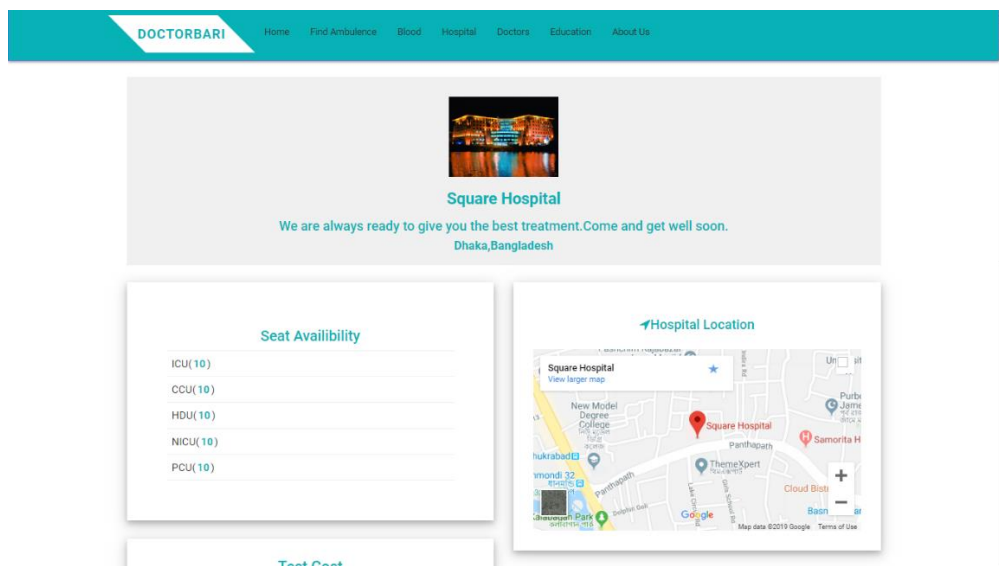


Figure B1: Single Hospital List of www.doctorbarri.com

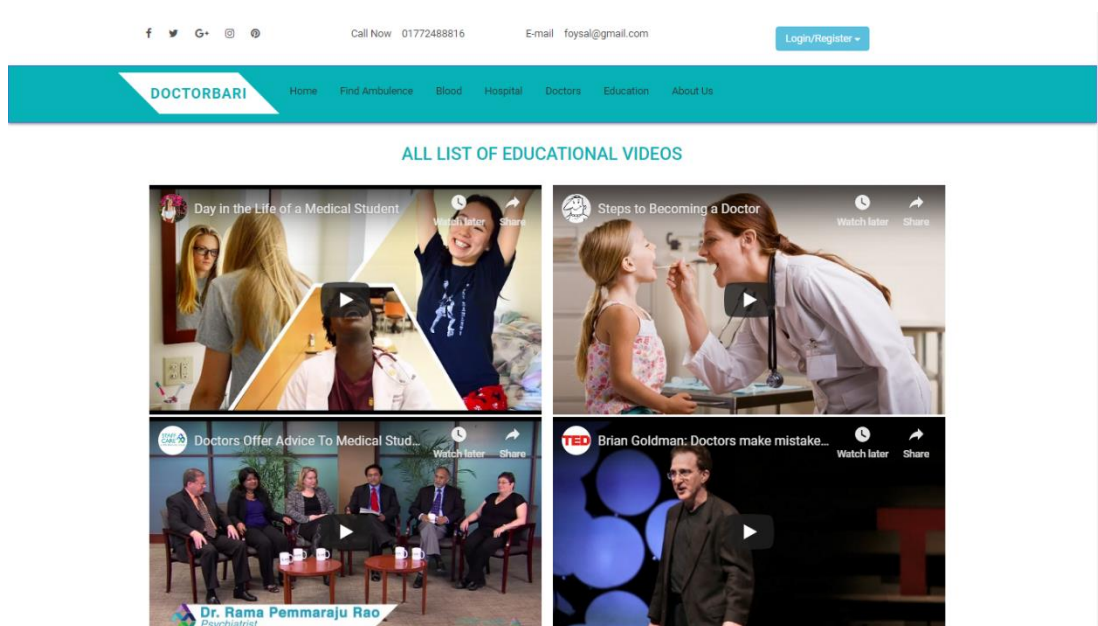


Figure B2: Education Video of www.doctorbarri.com

DONOR LOGIN

E-Mail Address

Password

☐ Remember Me

Login
Create A new Account

Figure B3: Donor Login of www.doctorbarri.com

DOCTORBARRI

4
5
7

Logout

Foysal Taijul Saniatul
ADMIN

Dashboard

Mnage User/Role

Ambulance

Doctor

All Roles

SL#	Role Name	Description
1	admin	Super Admin
2	doctor	Doctor User
3	hospital	Hospital Admin
4	ambulance	Ambulance service admin

Figure B4:All Roles permission of www.doctorbarri.com

DOCTORBARRI

4
5
7

Logout

Foysal Taijul Saniatul
ADMIN

Dashboard

Mnage User/Role

Ambulance

Doctor

All Users

Show 10 entries
Add user

SL#	User Name	E-mail	Role	Status	Action
1	Hospital admin	hospital@gmail.com	Hospital	Active	✎ ✖
2	Dr. Foysal Ahmed	doctor@gmail.com	Doctor	Active	✎ ✖

Showing 1 to 2 of 2 entries
PreviousNext

Figure B5: Active user of www.doctorbarri.com

©Daffodil International University

34

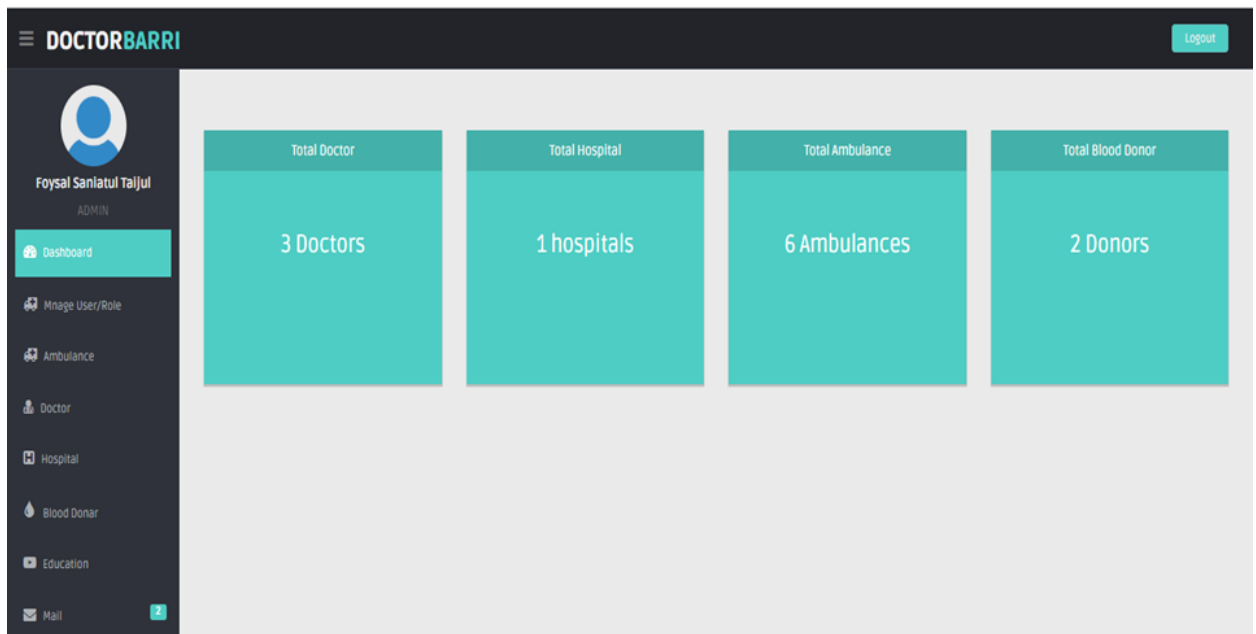


Figure B6: Super Admin Panel of www.doctorbarri.com

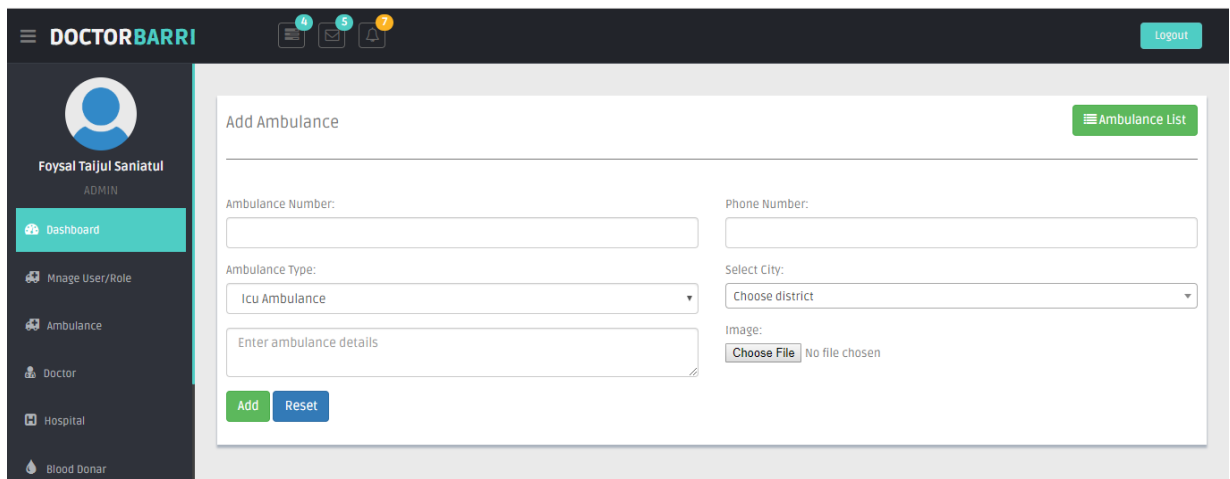


Figure B7: Add Ambulance page of www.doctorbarri.com

DOCTORBARRI

Foysal Tajjul Saniatul
ADMIN

Dashboard

Manage User/Role

Ambulance

Doctor

Hospital

All Hospital

Show 10 entries

Search:

+ Add hospital admin

SL#	Admin Name	Admin E-mail	Hospital Name	Phone	Hospital E-mail	Address	Image	Action
1	Hospital admin	hospital@gmail.com	United Hospital	1521450823	tipu4142@gmail.com	Plot 15 Rd No 71, Dhaka 1212, Bangladesh		

Showing 1 to 1 of 1 entries

PreviousNext

Figure B8: All Hospital List of www.doctorbarri.com

DOCTORBARRI

Foysal Tajjul Saniatul
ADMIN

Dashboard

Manage User/Role

Ambulance

Doctor

All Doctors

Show 10 entries

Search:

+ Add doctor admin

SL#	Name	E-mail	Designation	Specialities	Degree	Chamber	Action
1	Dr. Foysal Ahmed	doctor@gmail.com	neurologist	ENT (Ear, Nose & Throat, Otorhinolaryngology)	MBBS	Lab aid	

Showing 1 to 1 of 1 entries

PreviousNext

Figure B9: All Doctors List of www.doctorbarri.com

DOCTORBARRI

Foysal Tajjul Saniatul
ADMIN

Dashboard

Manage User/Role

Ambulance

Doctor

Hospital

All Registered Donor

Show 10 entries

Search:

SL#	Name	E-mail	DOB	District	Last donation	Phone	Address	Action
1	Foysal Ahmed	foysalahmedshohan@yahoo.com	1995-02-02	Comilla	2019-02-02	01532659787	shukrabad, dhanmondi 32, dhaka	
2	Tipu Sultan	tipu4142@gmail.com	2019-03-13	Dhaka	2019-03-05	01521450823	Sector # 10 , Uttara, Bangladesh	

Showing 1 to 2 of 2 entries

PreviousNext

Figure B10: All Register Donor list of www.doctorbarri.com

The screenshot shows the 'Add Seat Rent' form in the DOCTORBARRI admin dashboard. The left sidebar contains the user profile 'Foysal Tajjul Saniatul' (ADMIN) and a menu with options: Dashboard, Manage User/Role, Ambulance, Doctor, and Hospital. The main content area has a title 'Add Seat Rent' and two input fields: 'Seat Name:' and 'Seat Cost:'. Below these fields are 'Submit' and 'Reset' buttons. A 'Logout' button is in the top right corner.

Figure C1: Hospital Seat Cost of www.doctorbarri.com

The screenshot shows the 'Add Test name & Cost' form in the DOCTORBARRI admin dashboard. The left sidebar is identical to the previous figure, but it includes an additional menu item 'Blood Donor' at the bottom. The main content area has a title 'Add Test name & Cost' and two input fields: 'Test Name:' and 'Test Cost:'. Below these fields are 'Submit' and 'Reset' buttons. A 'Logout' button is in the top right corner.

Figure C2: Add Hospital Test Information of www.doctorbarri.com

The screenshot shows the 'Add Video' form in the DOCTORBARRI admin dashboard. The left sidebar is identical to the previous figures. The main content area has a title 'Add Video' and two input fields: 'Video Type or Name:' and 'Video Link:'. Below these fields are 'Submit' and 'Reset' buttons. A 'Logout' button is in the top right corner.

Figure C3: Add Education Video of www.doctorbarri.com

PLAGARISM

EA_doctorbari_rep

ORIGINALITY REPORT

10%

SIMILARITY INDEX

0%

INTERNET SOURCES

0%

PUBLICATIONS

10%

STUDENT PAPERS

PRIMARY SOURCES

1

Submitted to Daffodil International University

Student Paper

5%

2

Submitted to University of Greenwich

Student Paper

3%

3

Submitted to Higher Education Commission Pakistan

Student Paper

1%

4

Submitted to Kolej Universiti Poly-Tech MARA

Student Paper

1%

5

Submitted to Atlantic International University

Student Paper

<1%

6

Submitted to Charotar University of Science And Technology

Student Paper

<1%

7

hasbd.com

Internet Source

<1%

8

cybarlab.com

Internet Source

<1%