FINAL YEAR PROJECT REPORT ON

ONLINE HEALTH ASSISTANCE

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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 titled "**Online Health Assistance**", submitted by Mohammad Obaedul Islam, Sk. Nazmul Ahammed Nayeem and MD. Khaled Mahmud 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 May 5, 2018.

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DECLARATION

We hereby declare that, this project has been done by us under the supervision of **AFSARA TASNEEM MISHA, 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 of diploma.

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ABSTRACT

Human has mortality. We cannot avoid it and we have to adapt with it. But 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 & hospital is a best place for human medical treatment. Diagnosis is also a part of medical treatment. When blood is needed for medical treatment then blood bank is the right place where we can get any groups of blood. For the time being busyness takes our maximum time of a day. And it is not exception for diagnosis and medical information. So we always search for an easiest way to find something. Internet is a big reason where we can easily find what we are looking for. Considering those matter we build the "HEALTH ASSISTANCE" website which domain named on "www.healthassist.com" with providing some vital features such as doctors, hospitals, diagnostics, blood banks etc. We hope that people will be benefited from this website and we believe that if implemented it will be a popular and useful medical informatics website.

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CHAPTER ONE

INTRODUCTION

1.1 Introduction

We know health is wealth. For our everyday life all of diseases we need to take treatments. In present time we are used to go doctor to our primary treatment. We also need to go hospital to take treatment. Generally we have many right's to say that doctors save lives and increase the average life span of human. Doctors improve our standards of living, make us more comfortable, cure us from disease and general promote the well-being of those around us. Doctor needs a special place for doing their job. The best place for human treatment is hospital. So we can say that human need's hospital. Human also need's diagnostic center for medical tests, such as Blood test, Ambulance, Body checkup, ECG etc. for emergency blood need human may depend on the blood banks. Considering those matter we realize that human need doctors, hospitals, diagnostic center and blood banks in their life. So they also need's information like where they will find doctor information? What is the address of a hospital or a diagnostic center and form where they can collect blood? For the technological advancement now we can get that information by hitting this website such as "www.healthassistbd.com". We can find easily all health tips and emergency help on this website.

1.2 Motivation

In our project the main focus is gathering the similar information's about doctors, hospitals, diagnostic centers, emergency ambulance and blood banks 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

- All doctors information of Bangladesh.
- All hospital information of Bangladesh.
- All diagnostic center information of Bangladesh.
- All blood Bank information of Bangladesh.

- Emergency Ambulance Service.
- After completing the registration process any one of our users shall make his own profile using this website.

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 bank 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 bank, 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 try to show all procedures and working system of our project. We discuss about the related sites and also compare our project with them. For making a site or take a decision of project first we need to specify the requirement and in this report we discuss it clearly. We also analysis our system design and also describe our project's testing procedure. Finally we appraisal our project and give a final conclusion of our project.

CHAPTER TWO

BACKGROUND

2.1 Introduction

We live in a globalized world. Nowadays we need everything in smart way. So today people also want medical support at online. Though there are many ways to get this. But there is no specific site to get all type of medical help. Our project will try to cover this gap. Our medical supportive site will try to provide all kind of medical support at online. User can search hospital, ambulance, diagnostic center, blood bank etc. Blood donor also can give their blood and blood collector can search blood at our site.

2.2 Related Works

It is a remarkable advent for our country is that a small number of related website has been developed by various developers which are already known some users. There have some website like “www.doctorsbd.com”, “www.emedicalpoint.com”, “www.healthprior21.com” where we find the information of hospital, doctor, advisor, diagnostic center & blood bank [1] [2] [3]. By using our site the user can search about all medical supportive features.

2.3 Comparative Studies

But those sites don’t have all of the features which are provided in our website. We believe in our website we want to show those feature together & additional feature like ambulance service, first aid services, medical shop, ideal body weight, body mass calculator & health tips of expert doctor. Our user can easily find a doctor, a hospital, a diagnostic center or a blood bank by using our search technique. We add the latest blog which contain the new technology or methodology of health care. We collect the top specialist article about any health related topics which really helps our visitor. User can find information about us & contact with us. The simplified interface of the

site will need just the basic and necessary steps to complete the task which will be more efficient.

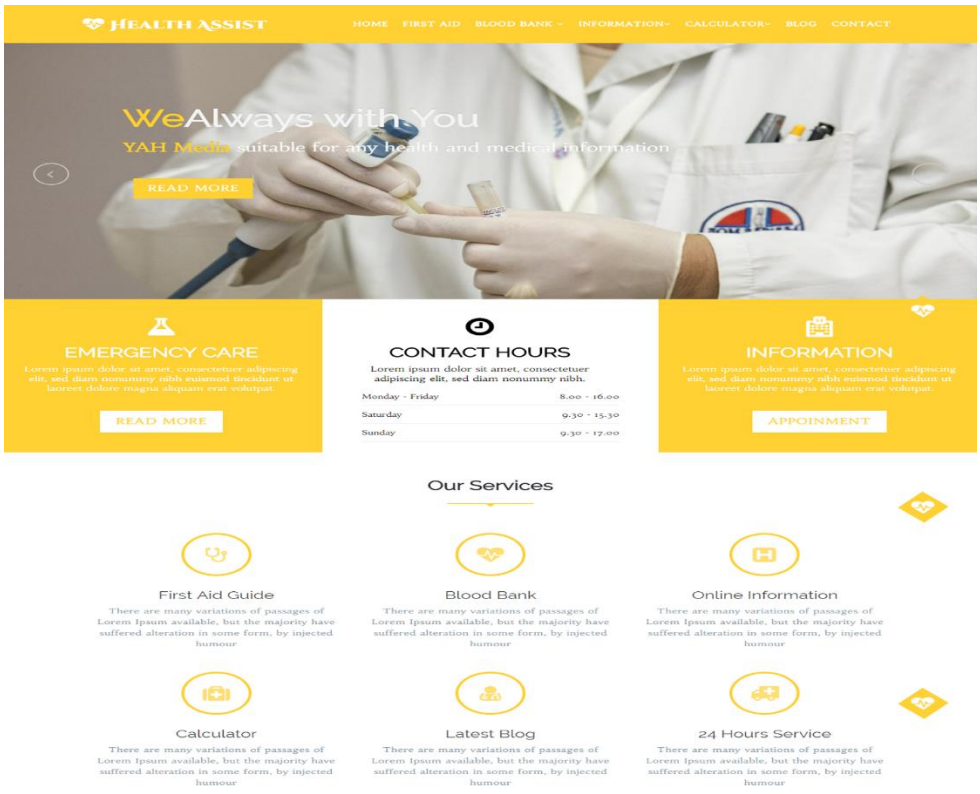

Figure 2.1: Homepage of "www.healthassist.com"

2.4 Challenges

Our site provides a number of services that will help people to find the information of doctors, hospital, ambulance, blood bank, diagnostic center, calculator of body mass & medical shop information in a single website where others provide either doctors or hospitals or diagnostic center but not all of those. User can find information about us & contact with us. Our main challenge is to meet their needs. Initially we did a lot of research, talked with many people who want this kind of services. From this knowledge we developed our site to meet the needs of those people. Also we are not skilled professional web developers. So another challenge for us would be to make this site without any limitations, errors and faults. But we are confident and optimistic 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 THREE

REQUIREMENTS COLLECTION AND SPECIFICATION

3.1 Introduction

Requirements specification is a part of requirements engineering. The description of the services and constrains are requirements for the system and process of finding out, analyzing, documenting and checking these services and constraints is called requirements engineering. A requirement can be specified. A requirement can be specified as a high-level, abstract statement of a service that the system should provide or a constraint on the system.

3.2 Requirements Collection Tables

Table 3.1: Survey on choice of people

Search For	**Survey Area**						
	Dhaka	**Chittagong**	**Khulna**	**Sylhet**	**Rajshahi**	**Ranghpur**	**Barisal**
Doctor	✓	✓					
Hospital	✓	✓					
Clinic	✓	✓					
Diagnostics	✓	✓					
Blood Bank	✓	✓	✓	✓		✓	
Health Insurance	✓						
Plastic Surgery							
Eye Bank	✓	✓					
Health Tip	✓	✓					
Medical Dictionary		✓					

At very beginning of this project, we have identified the stakeholders of our project Medical Informatics Website “www.healtassit.com”. Not only patient or people but

also doctor, blood donor and those who need blood; are the main stakeholder of our system. We have done field survey to get idea about their requirements and found that most of them want to get the information about doctors, hospitals, diagnostics, blood bank etc. Moreover, we have found that the needs differ from each other but the main motive is generally same. For the reason, we have to make a questionnaire for a single and multiple person area basis fields is included in this form.

Table 3.2: Survey Result

Search For	**Survey Area**						
	Dhaka	**Chittagong**	**Khulna**	**Sylhet**	**Rajshahi**	**Ranghpur**	**Barisal**
Doctor	10	6	5	15	10	10	10
Hospital	7	10	10	10	10	3	14
Clinic	8	6	10	10	10	10	10
Diagnostics	6	10	10	5	6	10	3
Blood Bank	4	4	10	10	10	10	3
Health Insurance	6	10	5	3	10	5	10
Plastic Surgery	10	4	3	10	10	4	10
Eye Bank	10	5	5	10	10	10	3
Health Tips	8	5	4	10	10	4	3
Medical Dictionary	10	2	5	4	10	10	10

3.3 User and System Requirements Specification

User and system requirements are divided into two categories and those are functional requirements and non-functional requirements. Functional requirements are the primary or beginning concerns of the system that must be satisfied while non-functional requirements are supporting constraints of the functional requirements. So, mainly the non-functional requirements are our focused area.

3.3.1 Functional Requirements

In software development process, a statement is defined the functional requirement. The statement is mainly a question about requirement and it is ‘what a system is

supposed to accomplish'. It means that functional requirements are expressed in the form of 'system shall do'. The functional requirement of our system is shown in the following figures using use-case model.

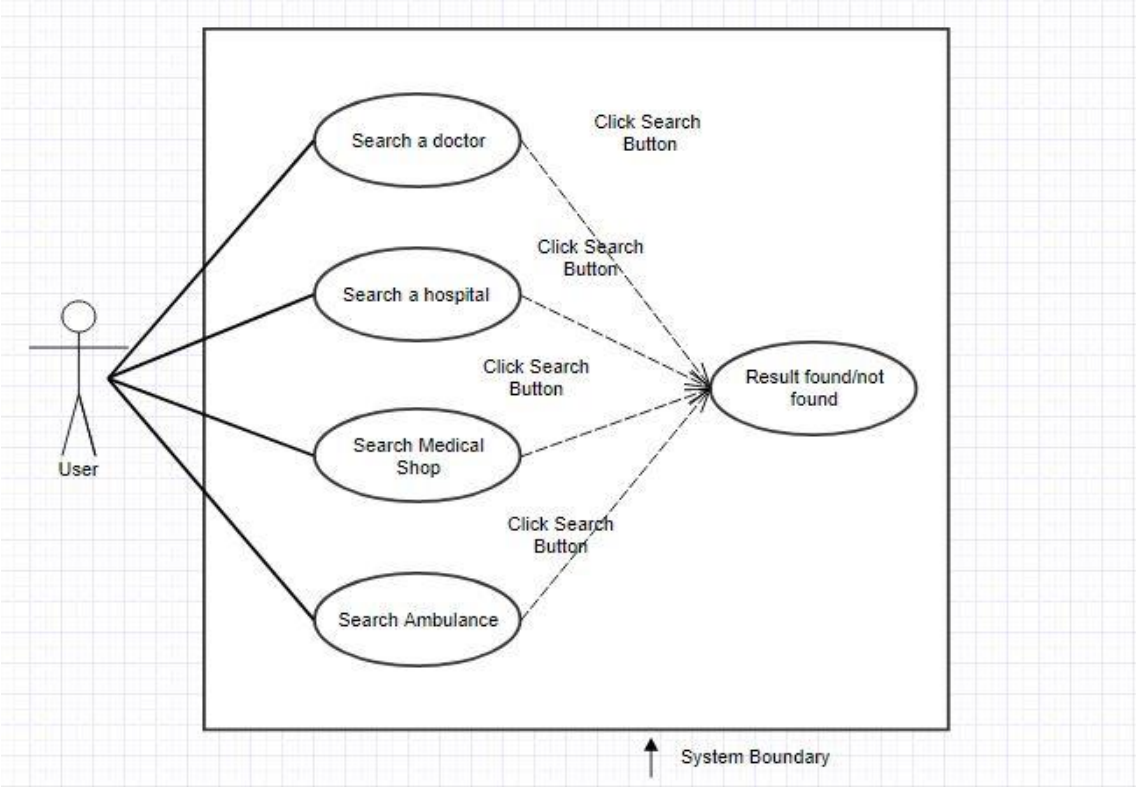

Figure 3.1: Use-case Diagram of the System (User)

The basic requirements that are specified by the stakeholders are that they want to search for a doctor, hospital, diagnostic or a blood bank. Also in this present time doctor wants to serve in smart way. From our field survey we able to know about it. Besides, blood donor and blood collector also want a smart way. So they will simply type their query and click the search button as their choice. These two use-case diagrams illustrate the functionalities that can be performed by the actors.

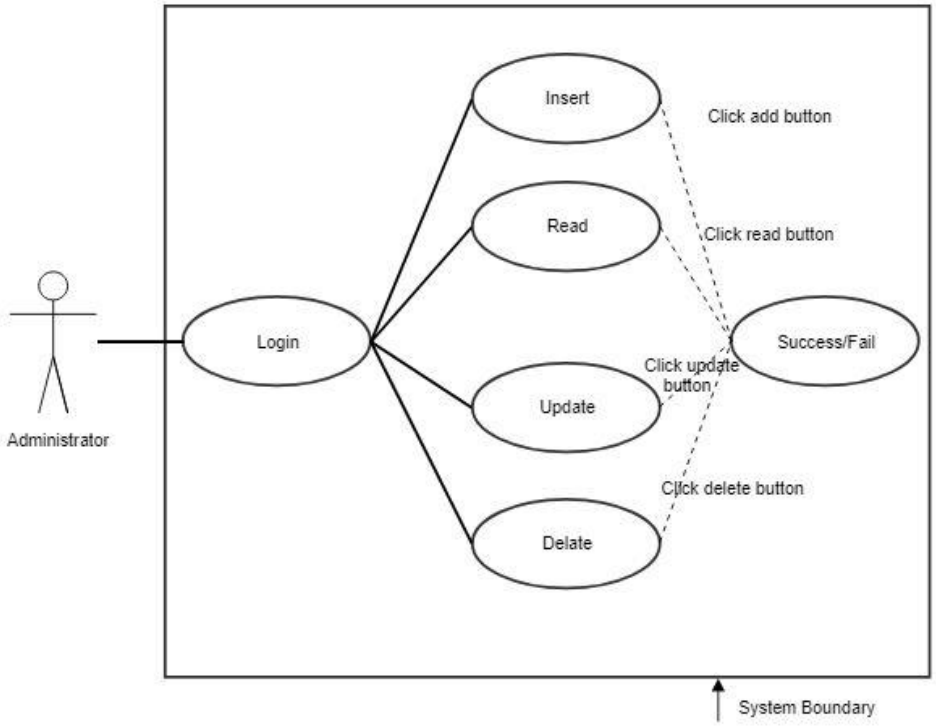

Figure 3.2: Use-case Diagram of the system (Administrator)

3.3.2 Nonfunctional requirements

A non-functional requirement is a necessity that determines criteria that can be utilized to judge the task of a system, instead of specific behaviors. Functional requirements are upheld by non-functional requirements, which force obliges on the plan or execution. In opposition to functional requirements, nonfunctional requirements can be communicated utilizing the announcement ‘system shall be’. The nonfunctional prerequisites are depicted and given below:

- The waterfall model has been taken after to build up the undertaking and as indicated by detail every one of the exercises are performed.
- The network system ought to be steady as it completely relies upon web speed.
- It is desirable over utilize Mozilla Firefox than different programs to improve execution.
- We accept that the reliability quality of this system is around 98%. The 2% blunder rate may happen if the system isn't steady.

CHAPTER FOUR

SYSTEM DESIGN SPECIFICATION

4.1 System Analysis

The system analysis is a point by point investigation of the different activities performed by the current framework and their relationship inside and outside of the system. One part of investigation is characterizing the limits of the framework and deciding if a hopeful framework ought to think about other related frameworks. Here, we finished framework investigation by the input analysis, output analysis and data analysis of existing framework. At the preparatory phase of the investigation, we had taken after the accompanying waterfall development system [4].

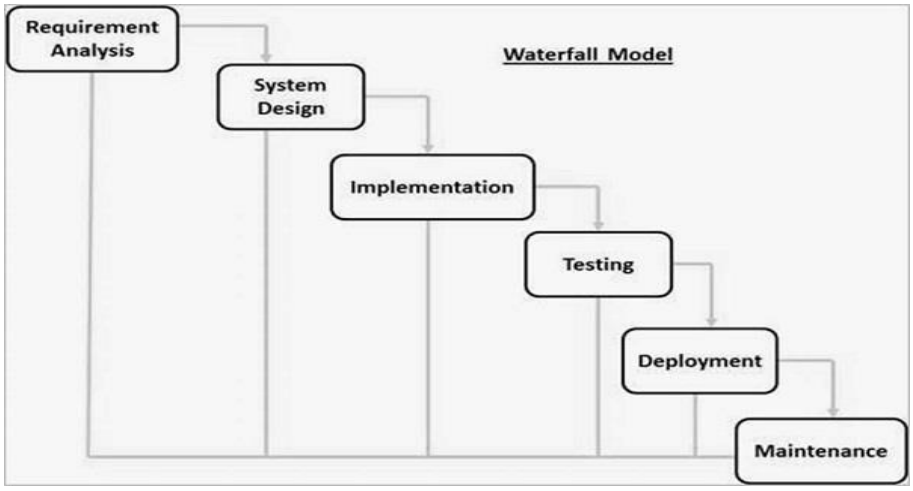

Figure 4.1 Waterfall Development Model

4.2 Input Analysis

In data processing, wrong information are the most widely recognized reason of errors. Errors entered by the clients can be controlled by input plan. Input plan is the way toward changing over client began contributions to a computer based organization. Once distinguished, appropriate input media are chosen for preparing [5].

4.3 Output Analysis

Computer output is one of the most vital and direct wellspring of data to the user. Effective and understandable yield configuration ought to enhance the output design with the client and help in basic leadership [5].

4.4 Data Analysis

In the data analysis phase, the data has been selected from input analysis according to the requirements of the system. Most of the existing systems only helps to find doctors or hospitals or diagnostics or others medical information. But they don't provide all of the information like us. That's why we provide that information which user actually wants.

4.5 Database Oriented System Approach

In computer engineering, a database is an organized accumulation of records or information that is put away in a computer framework with the goal that a computer program or individual utilizing an inquiry dialect can counsel it to answer inquiries.. The computer program used to oversee and inquiry a database is known as a database management system (DBMS). Database is utilized in many applications in various ways.

4.6 System Design

System design is defined as a task that focuses on the specification of a detailed computer based solutions. System analysis emphasize business problem where system design focuses on the technical or implementation concerns of the system, we should have sufficient knowledge about the detail system [6]. Every designer should take time to complete each of the following steps:

- Describe precisely the core functionality & the system design using data model such as ER data model.

- Normalize the system precisely the core functionality & the system using normalization & draw DFD of the system.
- Describe precisely the core functionality & the system using data model as DFD.

4.7 Entity of the System

All entities of the system have been modeled as objects in order to separate their logic from presentational code & to isolate the database queries. Isolating the database queries makes it possible to make quick changes in the structures of entities & to ease the replacement to underlying database platform which is currently MySQL Server. With this approach of development, new entities & activities can added to the system when needed. Thus the system becomes highly extendable & modular.

4.8 DFD (Data Flow Diagram)

In the 1970s, Larry Constantine, the first designer of organized outline, proposed information stream charts as a reasonable system in light of Martin and Estrin's "Information Flow Graph" model of calculation [7]. Data Flow Diagram (DFD) rapidly turned into a prevalent method to imagine the significant advances and information associated with programming framework forms. It utilizes characterized images like rectangles, circles and bolts, in addition to short content names, to demonstrate information inputs, yields, stockpiling focuses and the courses between every goal [8].

4.8.1 DFD Components

DFD can speak to Source, goal, stockpiling and stream of information utilizing the accompanying arrangement of parts [9] –

- Elements - Entities are source and goal of data information.
- Process - Activities and Process made on the information are spoken to Circle or Round-edged rectangles.
- Information Storage – An open rectangle is a data store.

- Information Flow - Movement of information is appeared by pointed bolts. Information development is appeared from the base of bolt as its source towards leader of the bolt as goal**.**

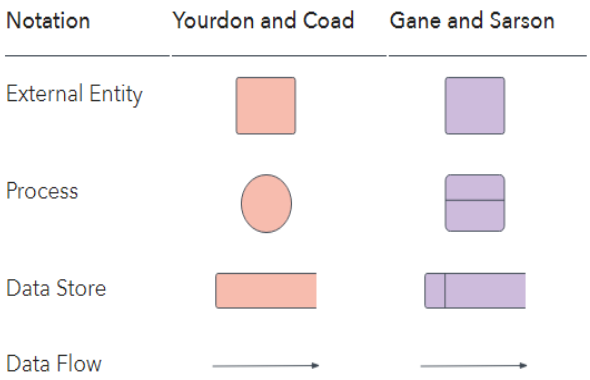

Figure 4.2: Symbols of DFD

4.8.2 Data Flow Diagram of the System (Admin):

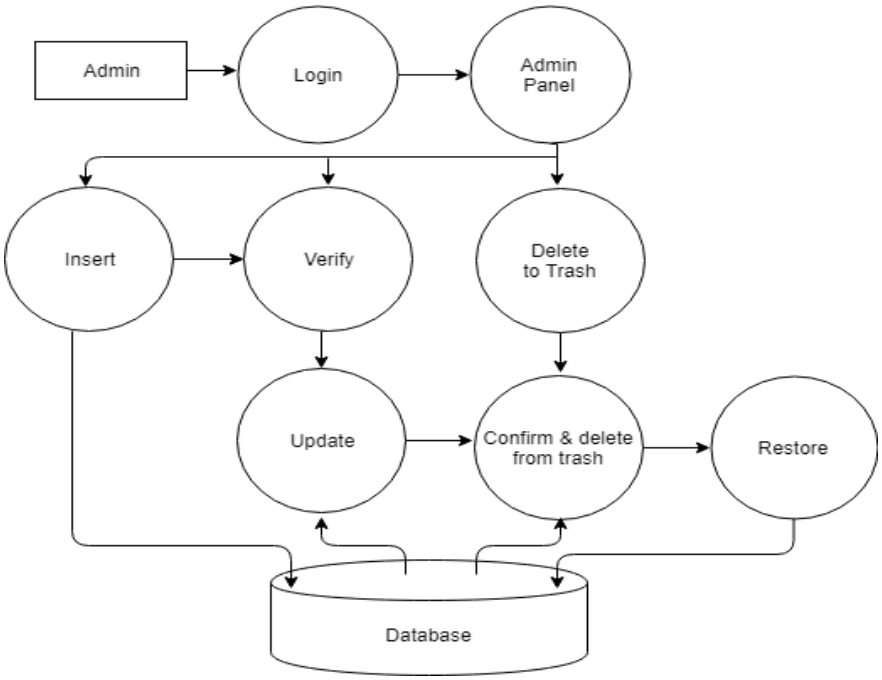

Figure 4.3: Data Flow Diagram for Admin

In admin panel admin can firstly login to the system. Then system is visualizing the all information. In admin panel admin can be insert, verify/edit, delete the data, Data

can be update or restore from the system. Our website contain so many data, so we need to be insert, verify/edit, delete and update the data.

4.8.3 Data Flow Diagram of the System (User):

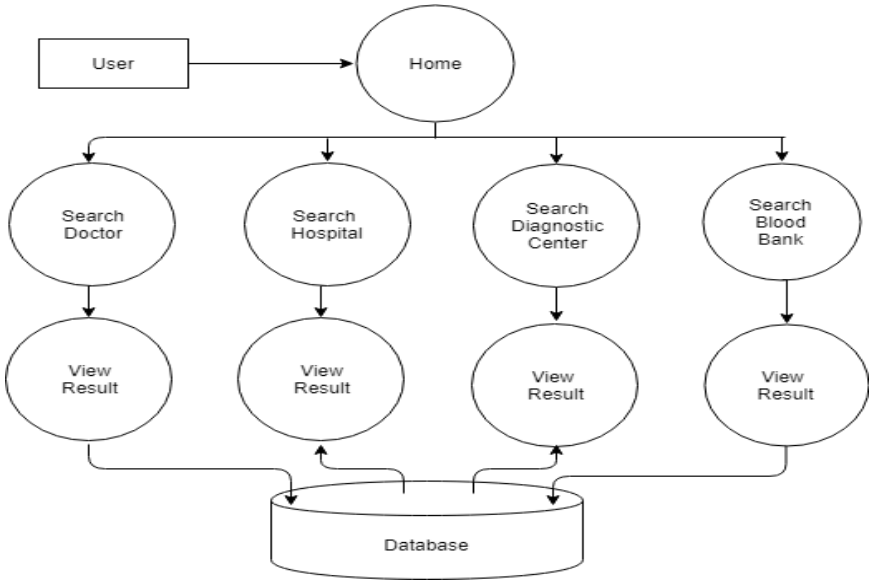

Figure 4.4: Data Flow Diagram for User

4.9 Entity Relationship Diagram (ERD)

The Entity-Relationship model is basically a data model for higher-level statements of conceptual data models. Also, it gives a graphical documentation to speaking such information models as entity relationship diagrams. The displaying methods that it may be utilized to depict any cosmology for a certain universe of speech On account of a data framework that depends on a database, the applied information show at a later stage [10].

4.9.1 Entity Relationship Diagram (ERD) Symbols:

A social relational database comprises of tables, this data could be assign a unique name, a line in a table speaks to a relationship among an arrangement of tables. E-R

diagram can express the general consistent structure of a database graphically. Such a graph comprises of the following significant segments:

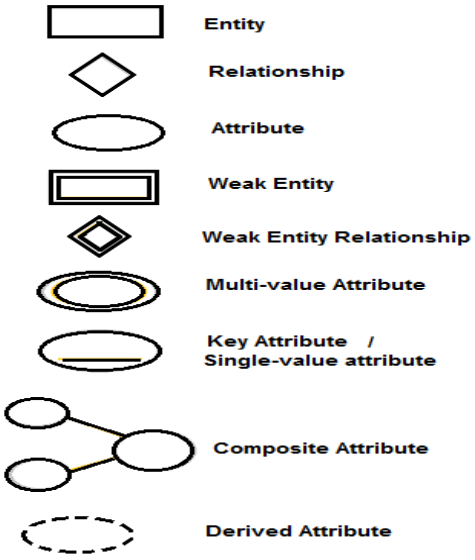

Figure 4.5: Symbols of ERD

4.10 Database Design Brief

Data: Data are raw material for producing information

Information: Information is derived as processed data, which has some important esteem for the collector [11]. The processed data must meet all requirements for the following term–

- **Timely** − Data ought to be accessible when required.
- **Accuracy** − Information need to be accurate.
- **Completeness** − Information should be complete.

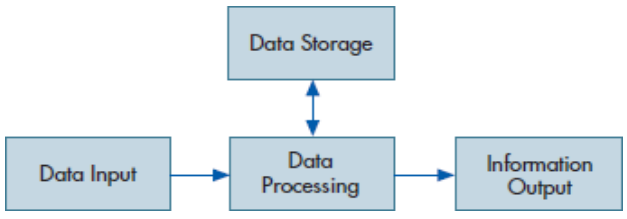

Figure 4.6: Basic Data Processing

Database: A database is collection of interrelated data. A relational database, all the more prohibitively, is an accumulation of diagrams, tables, quires, reports, views, and

different components. For example, if we have data about exam marks obtained by all students, we can then decide about toppers and average marks.

Database Management System (DBMS): Database Management System or DBMS in short alludes to the innovation of putting away and recovering clients' information with most extreme productivity alongside fitting safety efforts. This instructional exercise clarifies the nuts and bolts of DBMS.

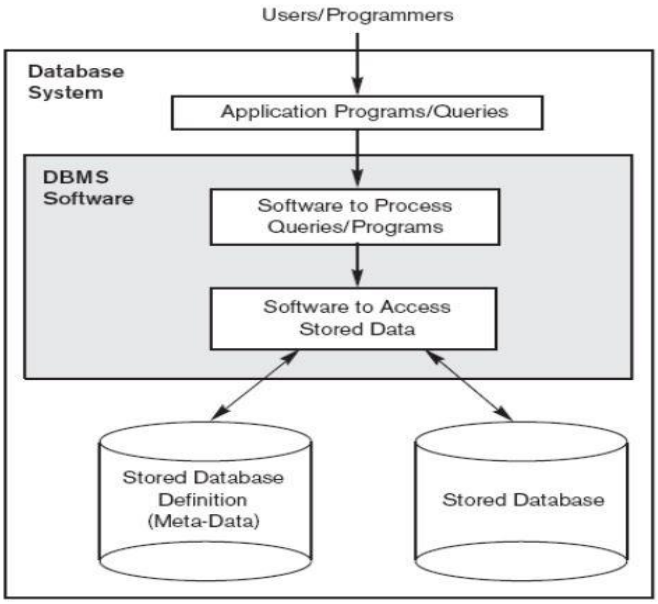

Figure: 4.7: A simplified database

4.10.1 Database System Structure

Database systems are segmented into modules for different functions. The functional components of a database system can be divided into the storage manager & the query processor components. Some functions may be provided by the operating system [12].

Components include:

- **File manager:** manages assignment of circle space and information structures used to speak to data on plate.
- **Data files:** store the database itself.
- **Data dictionary:** stores information about the structure of the database. It is used heavily.

4.10.2 Data Requirements

Administrator is identified by their id values. For login they also have password Different administration have different password. A user have identified by their valid user id & password.

4.10.3 Database Tables: In this section, the attributes & data types of all the tables of our system are described sequentially. These tables also focus on null characteristics of each attribute.

Table 4.1: blood_request

#	Name	Type
1	request_id	int(11)
2	name	varchar(255)
3	gender	varchar(255)
4	age	int(255)
5	blood_group	varchar(255)
6	email	varchar(255)
7	required_date	varchar(255)
8	details	text

Table 4.2:donor_registration

#	Name	Type
1	donor_id	int(11)
2	name	varchar(255)
3	gender	varchar(255)
4	age	int(255)
5	blood_group	varchar(255)
6	number	varchar(255)
7	email	varchar(255)
8	password	varchar(255)
9	image	varchar(255)

Table 4.3: tbl_district

#	Name	Type
1	disId	int(11)
2	disName	varchar(255)

Table 4.4: tbl_area

#	Name	Type
1	areaId	int(11)
2	disId	int(255)
3	areaName	varchar(255)

Table 4.5: tbl_specialty

#	Name	Type
1	specialtyId	int(11)
2	specialtyName	varchar(255)

Table 4.6: tbl_hospital

#	Name	Type
1	hospitalId	int(11)
2	hospitalName	varchar(255)

Table 4.7: tbl_doctor

#	Name	Type
1	doctorId	int(11)
2	docName	varchar(255)
3	docPosition	varchar(255)
4	docNumber	varchar(255)
5	specialtyId	int(11)
6	disId	int(11)
7	areaId	int(11)
8	hospitalId	int(11)
9	docDetails	text

Table 4.8: tbl_hospitalinfo

#	Name	Type
1	hospitalinfoId	int(11)
2	hospitalId	int(11)
3	disId	int(11)
4	areaId	int(11)
5	details	text

Table 4.9: tbl_blog

#	Name	Type
1	blog_id	int(11)
2	image	varchar(255)
3	writter	varchar(255)
4	b_title	varchar(255)
5	b_body	text
6	date	timestamp
7	composeId	int(255)
8	b_status	tinyint(4)

Table 4.10: tbl_message

#	Name	Type
1	msg_id	int(11)
2	name	varchar(255)
3	email	varchar(255)
4	subject	varchar(255)
5	body	text
6	status	tinyint(4)
7	date	timestamp

Table 4.11: tbl_social

#	Name	Type
1	id	int(11)
2	fb	varchar(255)
3	tw	varchar(255)
4	ln	varchar(255)
5	gp	varchar(255)

Table 4.12: tbl_slogan

#	Name	Type
1	id	int(11)
2	title	varchar(255)
3	slogan	varchar(255)
4	logo	varchar(255)

Table 4.13: tbl_admin

#	Name	Type
1	adminId	int(11)
2	adminName	varchar(255)
3	adminUser	varchar(255)
4	adminEmail	varchar(255)
5	adminDetails	text
6	adminPass	varchar(255)
7	recoverPass	varchar(255)
8	image	varchar(255)
9	level	tinyint(4)

Table 4.14: tbl_notice

#	Name	Type
1	notice_id	int(11)
2	email	varchar(255)
3	subject	varchar(255)
4	description	text
5	date	datetime
6	sendid	int(255)
7	status	int(11)

4.10.4 Defining Relationship

As we can see, while our data is now split up, relationship between the table have not been defined [13]. There is various type of relationship that can exist between two tables:

- One to (Zero or) One
- One to (Zero or) Many
- Many to Many

4.11 Summery

System analysis emphasize business problem where system design focuses on the technical or implementation concerns of the system, he or she should have has enough sufficient knowledge about the detail system such as ER data model, normalize the system precisely the core functionality the system using normalization & draws the DFD of the system & describe precisely the core functionality & system using data model as DFD.

CHAPTER FIVE
IMPLEMENTATION AND TESTING

5.1 Introduction

Anything before implemented it should be tested for the expected result & its efficiency. The system design is not always perfect. The performance of a system can be improved by continuous testing & development. So before the final implementation of it should ensure that system is provided expected result & efficiency. Designing a 100% perfect system is a very difficult job. Different architectures have different performance and output. Improve algorithm section, poor programming or time constraints create errors that must be eliminated before the final implementation of the system.

5.2 Implementation

When we want to implement a new system anywhere we have to think about the total environment where the new system will run. In the implementation level we have to think which server, OS, Web server or database software we will use for the best performance. While implementing a new system anywhere developers need to think about total environments in where the new system will run. A brief talking about the platform OS, Web server or the database software is also necessary at the implementation label because improper selection could decrease the performance of the system [11].

5.3 Server setup

Almost all of the work of Web Application takes place on the server. A particular application, called a web server, will be in charge of speaking with the program. A connection database server stores whatever data the application requires. At long last we require a dialect to dealer ask for between the web server and database server, it will likewise be utilized to perform automatic errand on the data comes to 7 from the web server. We have two types of server one is database server and another is web server. Here we used MySQL database server (version 5.0) and Apache web server

(version 2.4.29). We used Apache server because we have developed our system using PHP and MySQL.

5.4 Testing

Software testing is a basic component of programming quality affirmation and speaks to a definitive audit of particular, outline of code age. This testing will be completed to guarantee that the program can meet the requests of the client and satisfy the objective for which the product is made [14].

5.4.1 Objectives of Testing

There are many objectives to test the system, as:

- Testing is a procedure of executing a program with the aim of discovering errors.
- A decent experiment is one that has a likelihood of finding critical bugs as-yet unfamiliar.

5.4.2 Testing Process

Generally the succession of testing exercises is component testing, incorporation then client testing. In any case, as deformities are found at any one phase, they require program adjustment to them and this may require different stages in the testing procedure to be rehashed. Mistakes in program segments, say, may become visible at a later phase of the testing procedure is along these lines an iterative one with data being sustained once more from later stages to prior parts of the procedure [15].

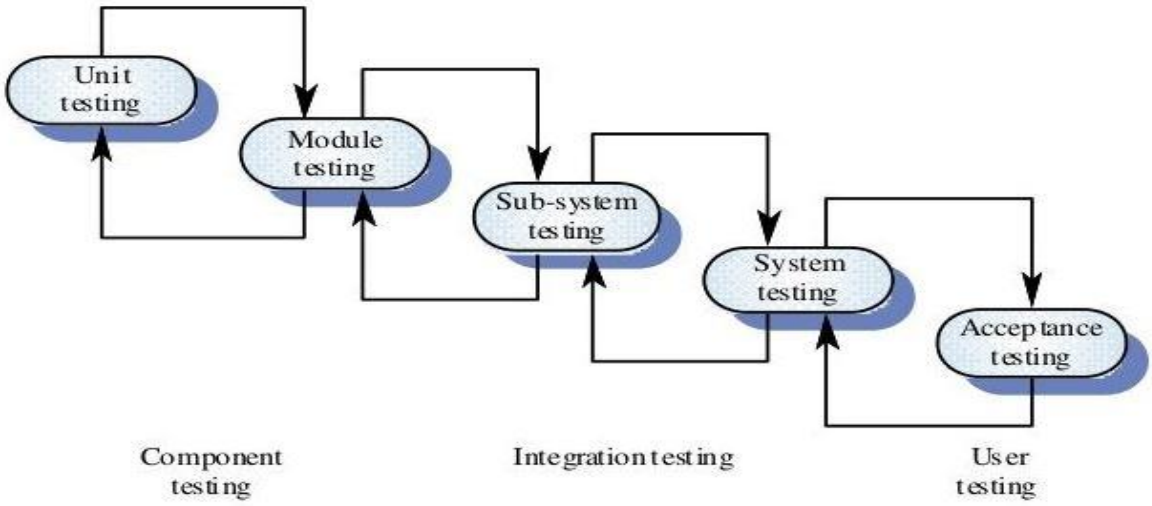

Figure 5.1: The Testing Process

In the above figure, arrows from the top of the boxes indicate the normal sequence of testing. The arrows returning to the previous box indicate that previous testing stages may have to be repeated. The stages in the testing process are.

5.4.2.1 Unit Testing

Singular parts are tried to guarantee that they work accurately. Every parts or component is tried freely, without other system component. Each part of the web site is tested to ensure that the detailed design is correctly implemented. It has been done to guarantee that each piece of the system functions according to prerequisites.

5.4.2.2 Module Testing

A module is an accumulation of ward segments, for example, object class information of some looser gathering of techniques and function.

5.4.2.3 Integration Testing

A progressive technique is utilized to check the integration of the pages inside the site. It is seen that it is workable for client to explore to and from the pages of the site.

5.4.2.4 System Testing

The sub-system is incorporated to make up the whole system. The testing procedure is worried about discovering mistakes which result from unexpected collaboration between sub-system and system components. System testing has been completed preceding establishment and it is watched that the framework works as indicated by necessities and there is no issue.

5.4.2.5 Acceptance Testing

This is last in the testing procedure before the framework is acknowledged for operational utilizing. Framework is tried with framework procurer provided information as opposed to mimicked test information. Acknowledgment testing is at some point called alpha testing. The alpha testing process proceeds until the framework designer and the customer concur that the conveyed framework is an adequate execution of the framework necessities. There is additionally another sort of testing process called beta testing. When a system is to be marketed as a software product, it is often used.

5.4.3 Browser Testing

Table 5.1: Browser Testing

Browser Name	**Test**	**Result**
Mozilla Firefox	Yes	Works properly
MS Internet Explorer	Yes	Works properly
Google Chrome	Yes	Works properly
Opera	Yes	Works properly

CHAPTER SIX

CONCLUSION AND FUTURE SCOPE

6.1 Discussion and Conclusion

We know sickness is a part of human life. So any time he/she would need a doctor. Hospital is a best place for human medical treatment. Diagnosis is a part of medical treatment then blood bank is the right where we can get any groups of blood. For the time being busyness takes our maximum time of a day. So we always search for easiest way to find something. Internet is a big resource where we can easily find what we are looking for. Considering those matter we build our health assistance cum medical supportive website perfectly "www.heathassist.com" with providing some vital features such as first aid, doctors, hospitals, ambulance, diagnostics, blood banks etc. We hope that people will be benefited from this website. In this website, our clients are doctors, hospitals, diagnostic centers and blood bank managements can easily promote their business in a large scale area. We believe that if implemented it will be popular & useful medical supportive website.

6.1.1 Limitation

It is true that development is totally unpredictable. Many things may go wrong while we are working on real project. There are the problems for which most of the times are development plan need to be changed. In this project, we also face some of problem. The site is not popular yet. Without any advertisements, the site won't be able to help the users who are looking for service. First of all, there is not enough information or guidelines to make a medical informatics websites. Besides, we faced many problems during development as we are very new in this platform. Finally, launching the website is real environment is not done yet. So, we are only able to test system in limited environment. But it is necessary, to test a website whether it can response or not during heavy traffic.

6.2 Scope for Further Developments

Our medical supportive website “www.heathassist.com” is capable to provide doctors, hospitals. Diagnostics, medical shop, ambulance, blood banks detail information. But we cannot keep all types of medical facilities which can be possible. In future, if it is requested then we are capable to include the requested features within the short time. We can also integrate some informatics feature such as eye bank, kidney bank, health tip, medical dictionary, medical jobs, health insurance, medical education, medical equipment’s, cosmetic surgery etc.

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APPENDIX

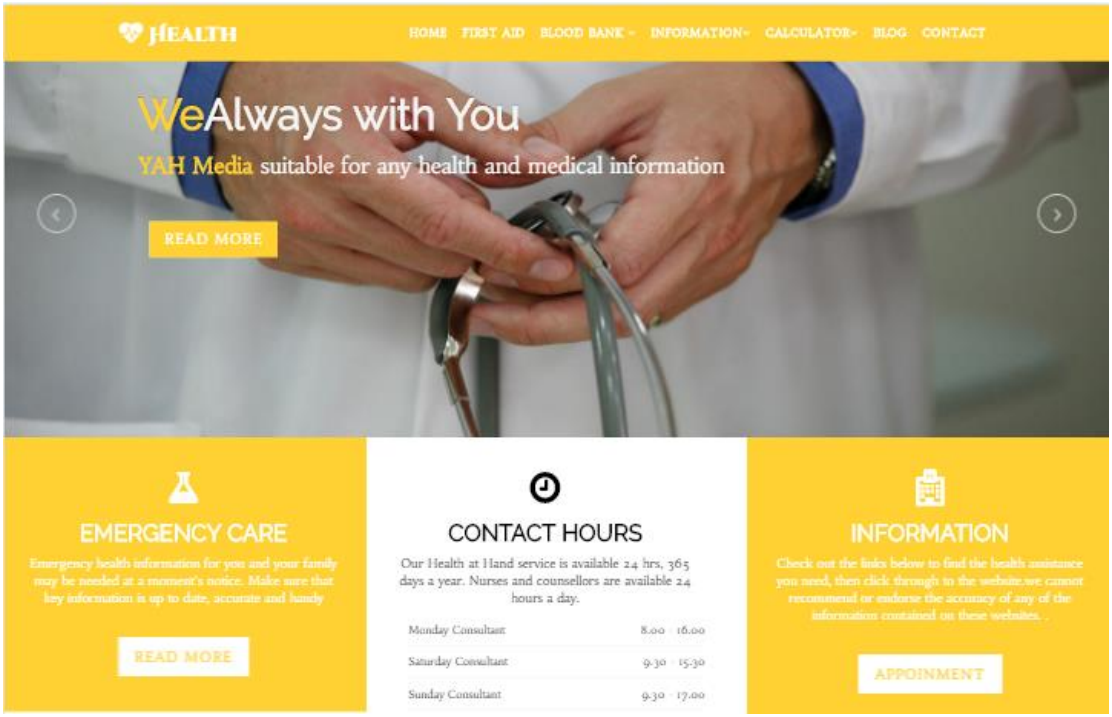

Figure A1: Home Page of www.healthassist.com

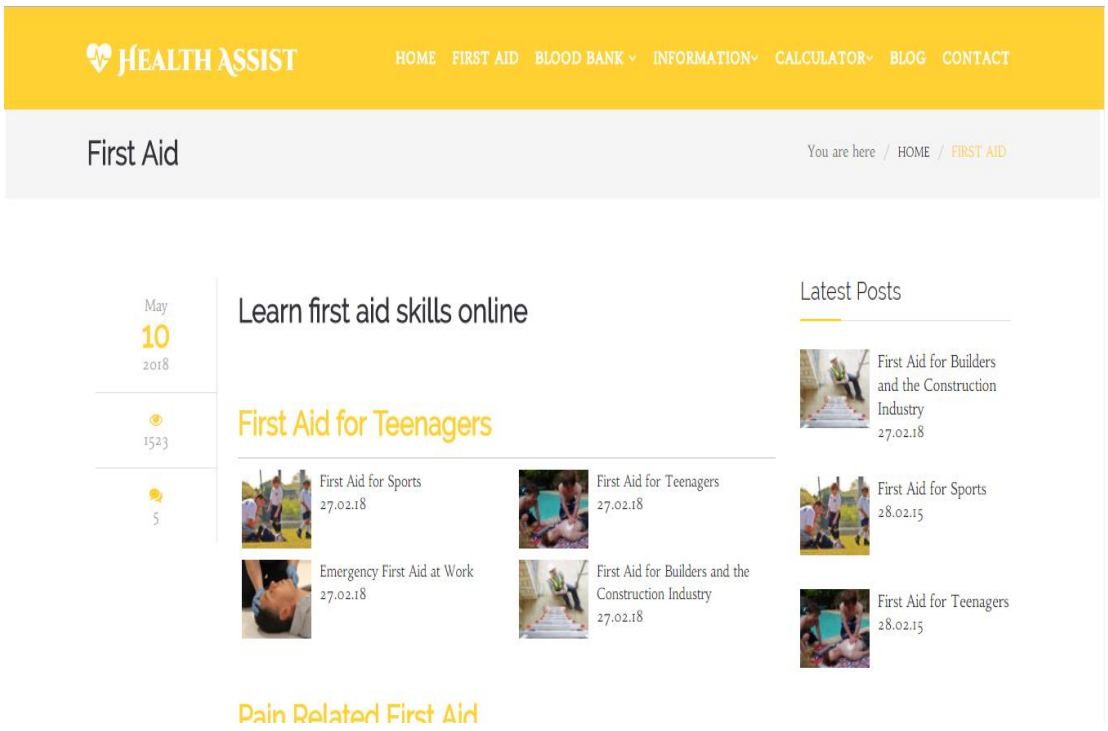

Figure A2: First Aid of www.healthassist.com

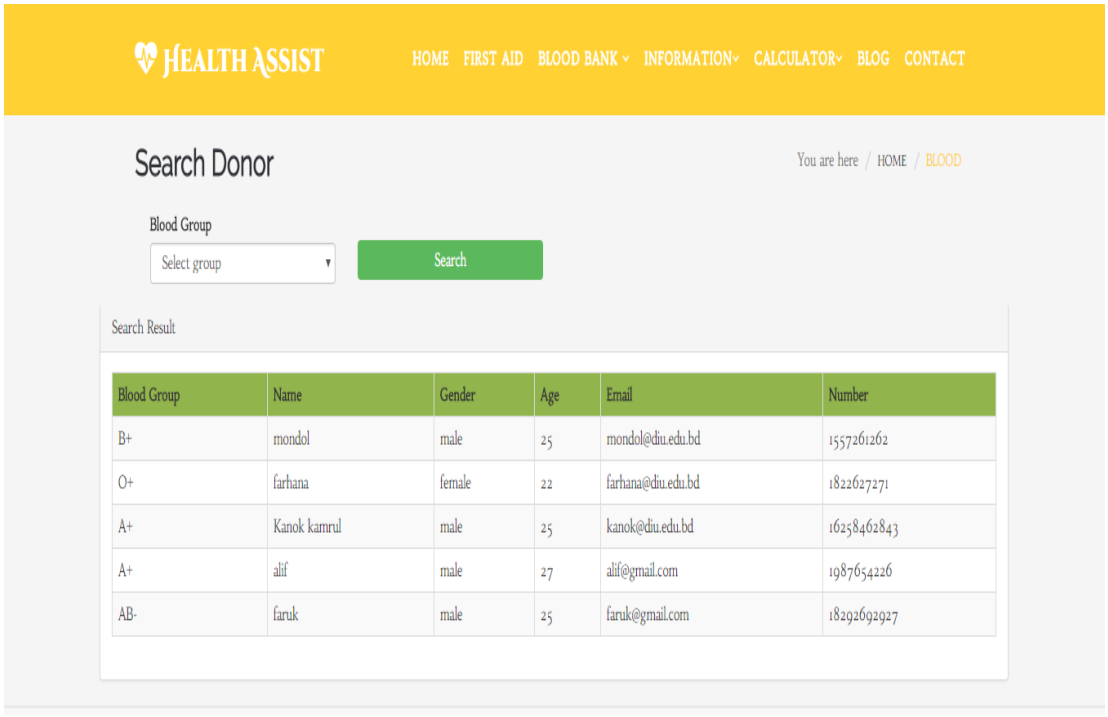

Figure A3: Blood Donor Search of www.healthassist.com

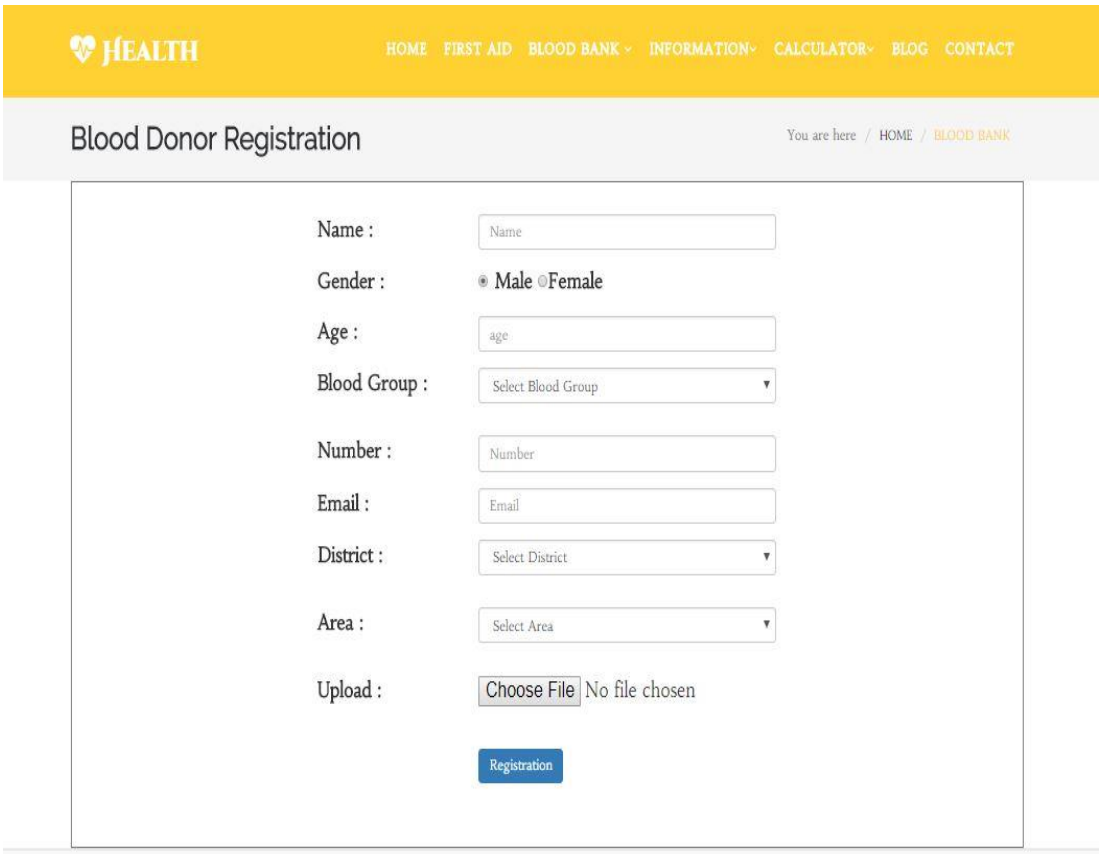

Figure A4: Blood Donor Registration of www.healthassist.com

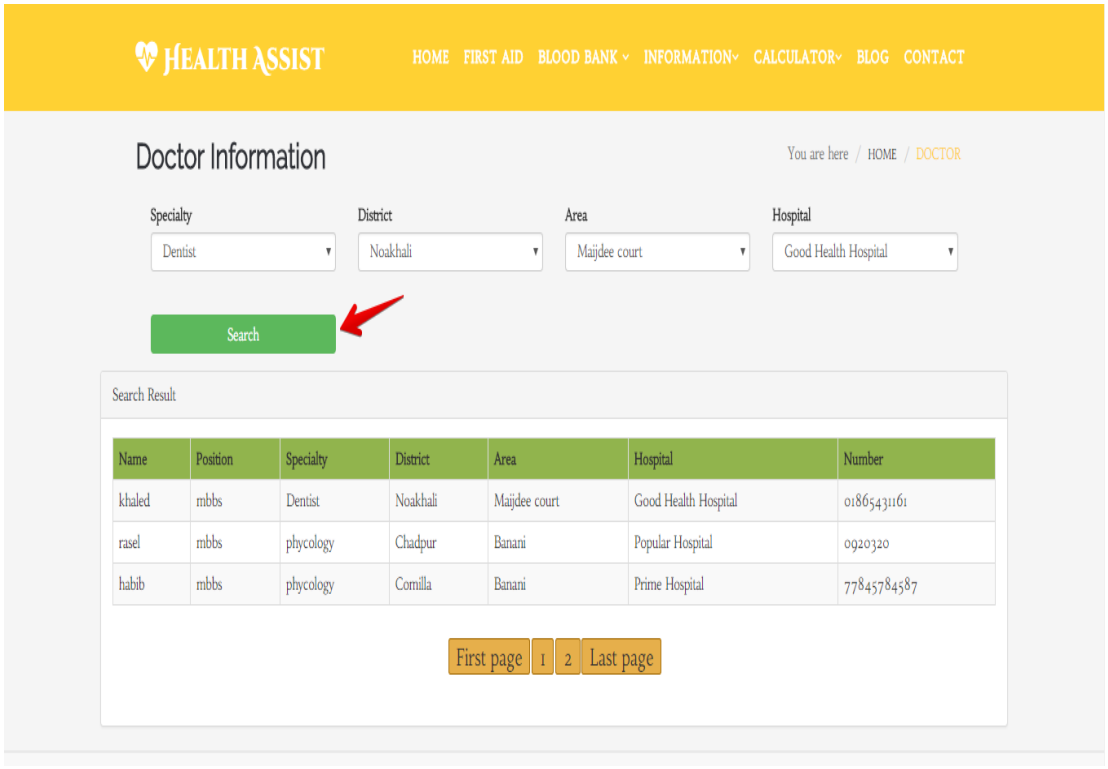

Figure A5: Doctor Search page of www.healthassist.com

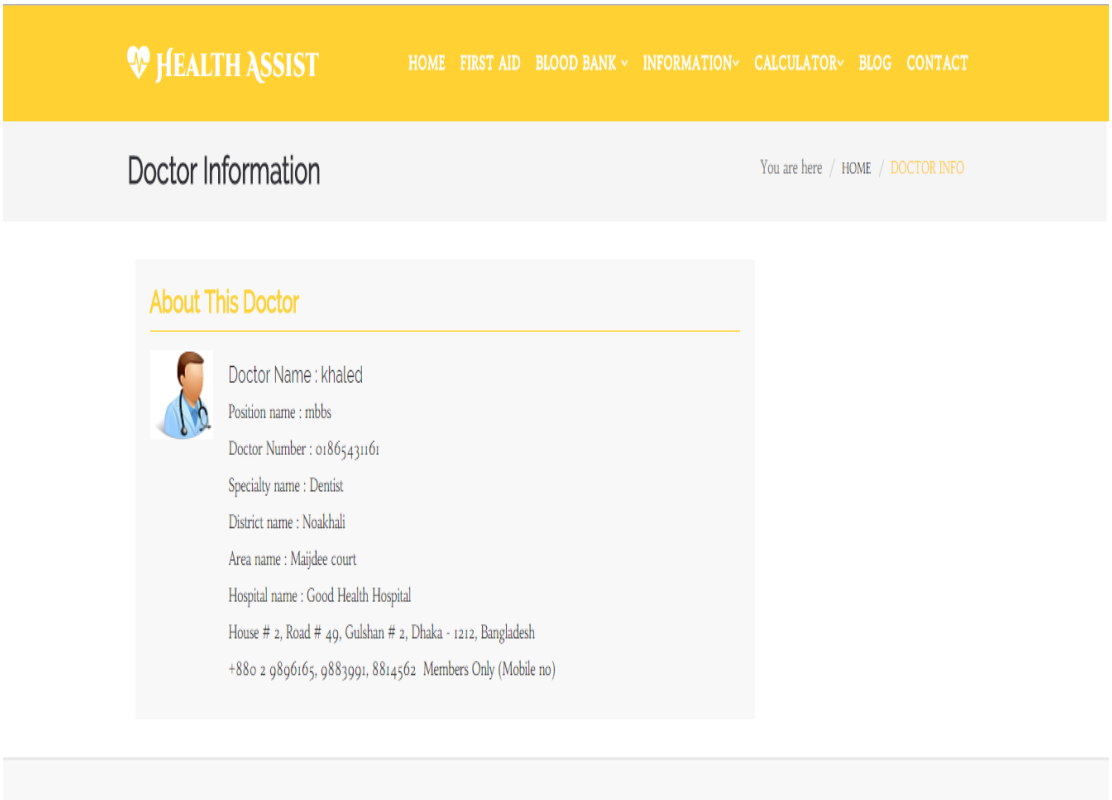

Figure A6: Doctor Detail Information of www.healthassist.com

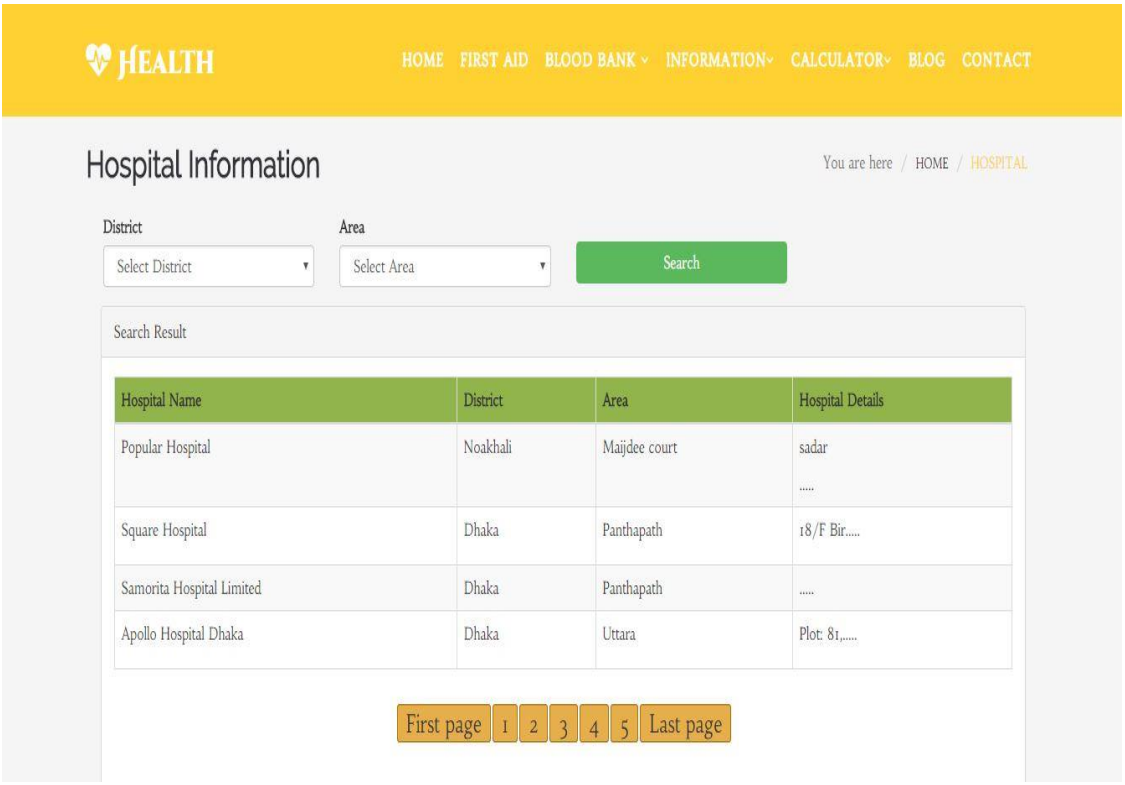

Figure A7: Hospital Information of www.healthassist.com

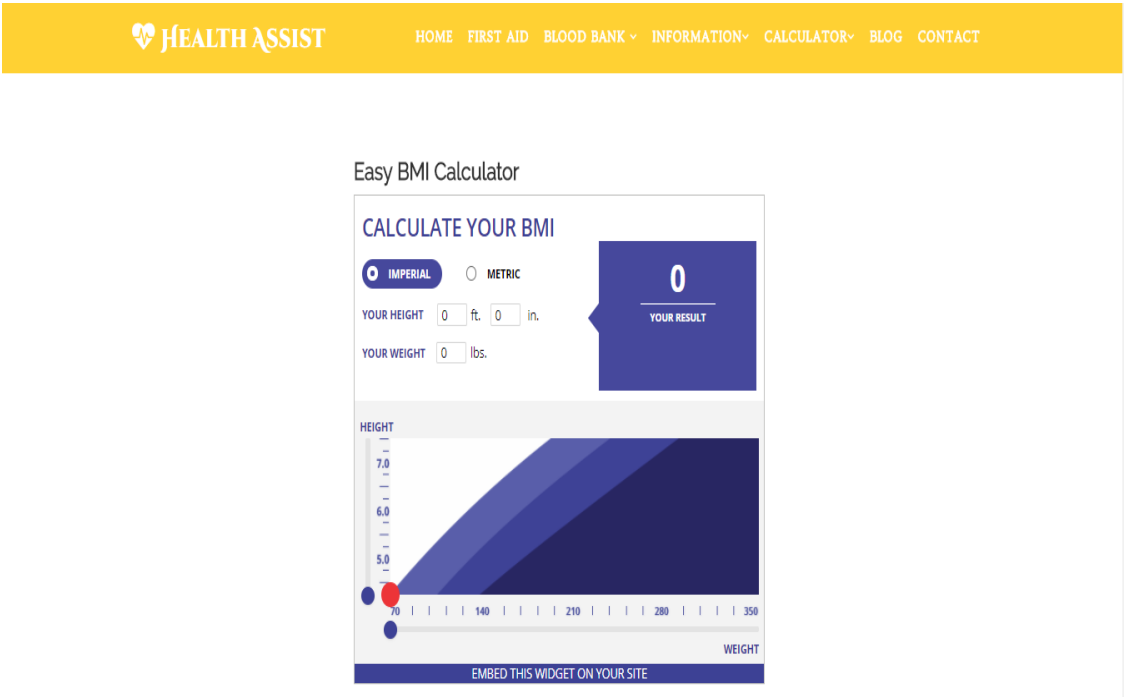

Figure A8: Body Max Index calculator of www.healthassist.com

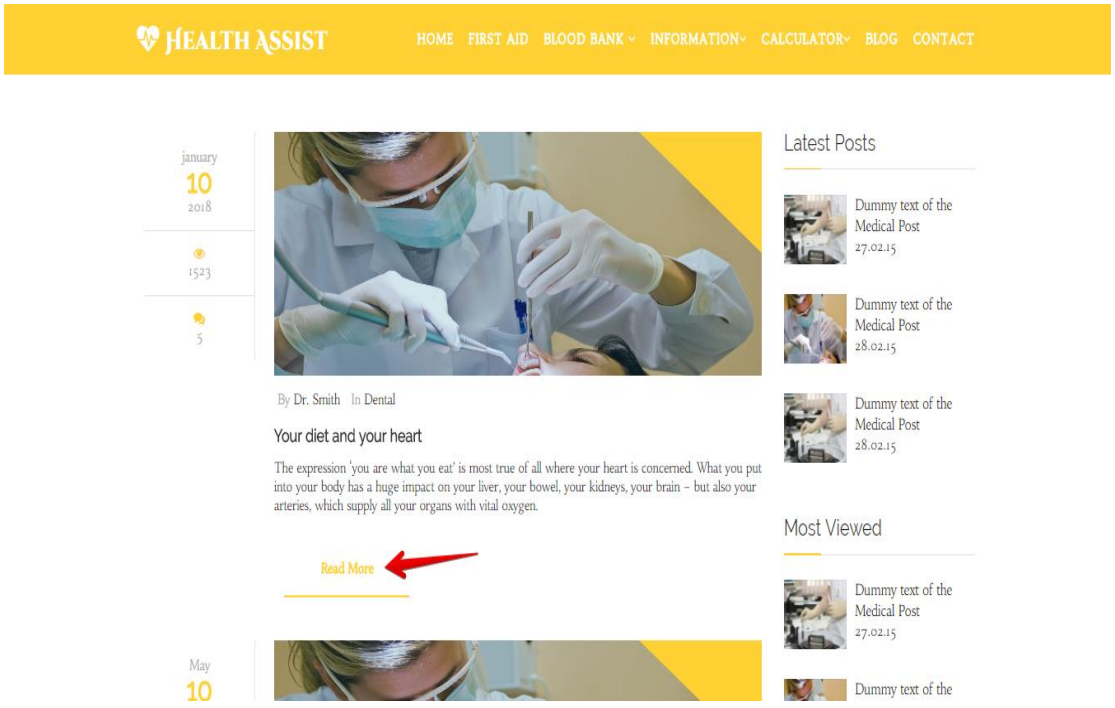

Figure A9: Body Max Index of www.healthassist.com

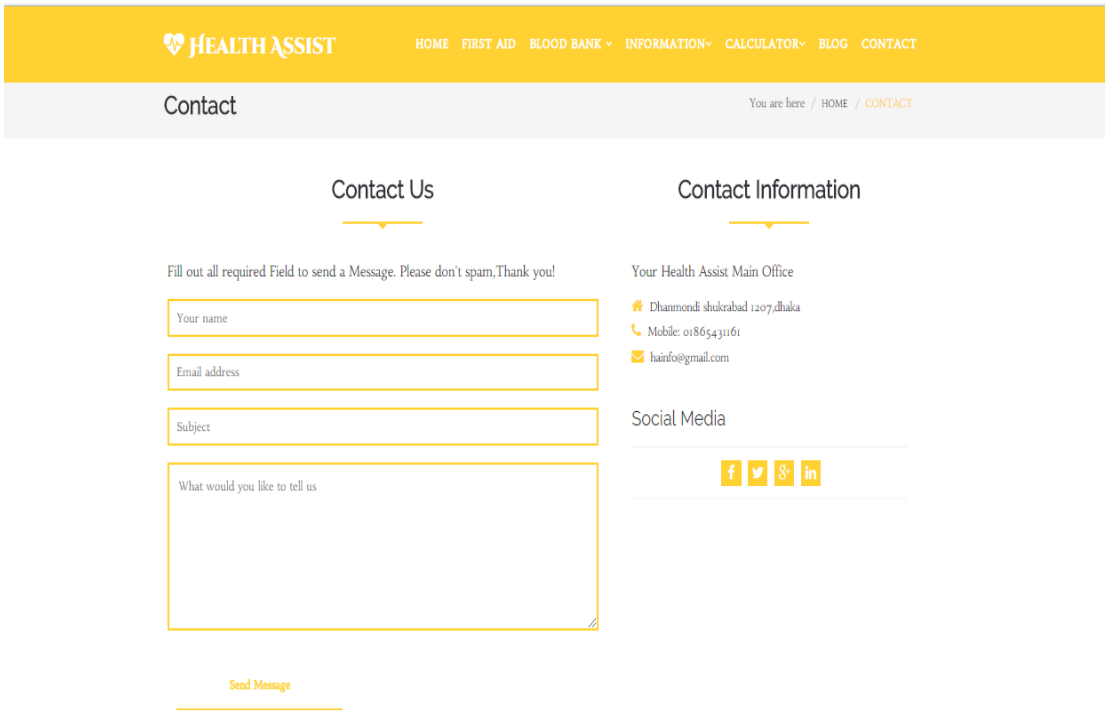

Figure A10: Contact Page of www.healthassist.com

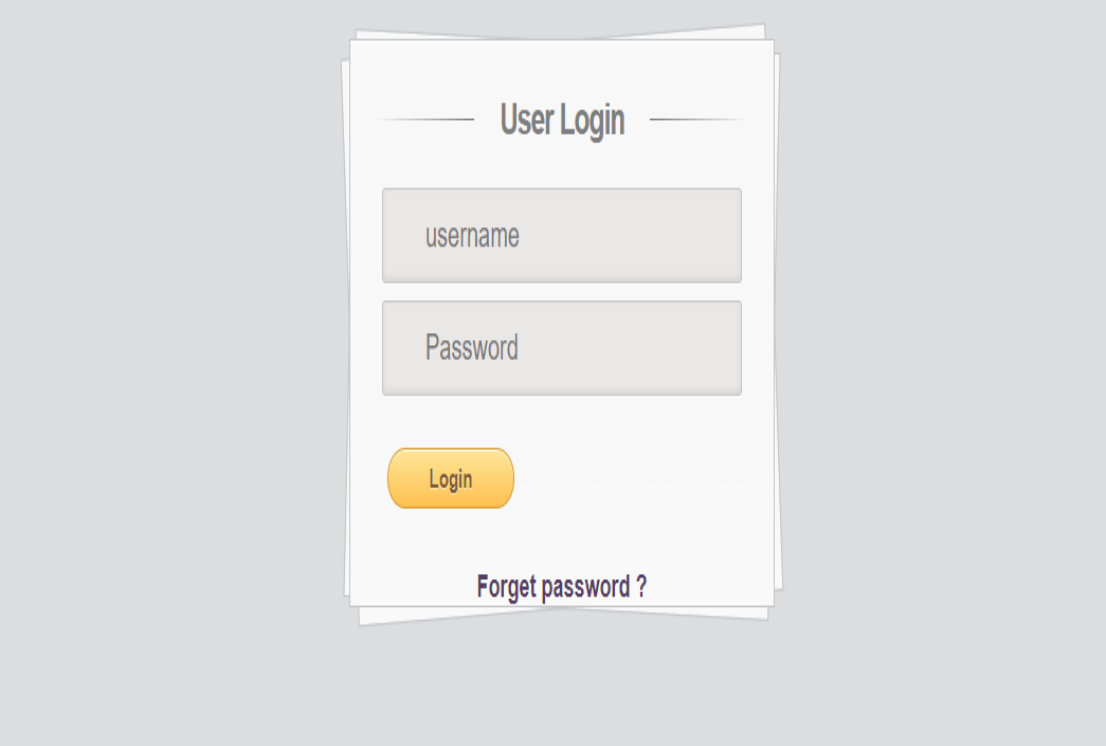

Figure B1: Admin Panel Login of www.healthassist.com

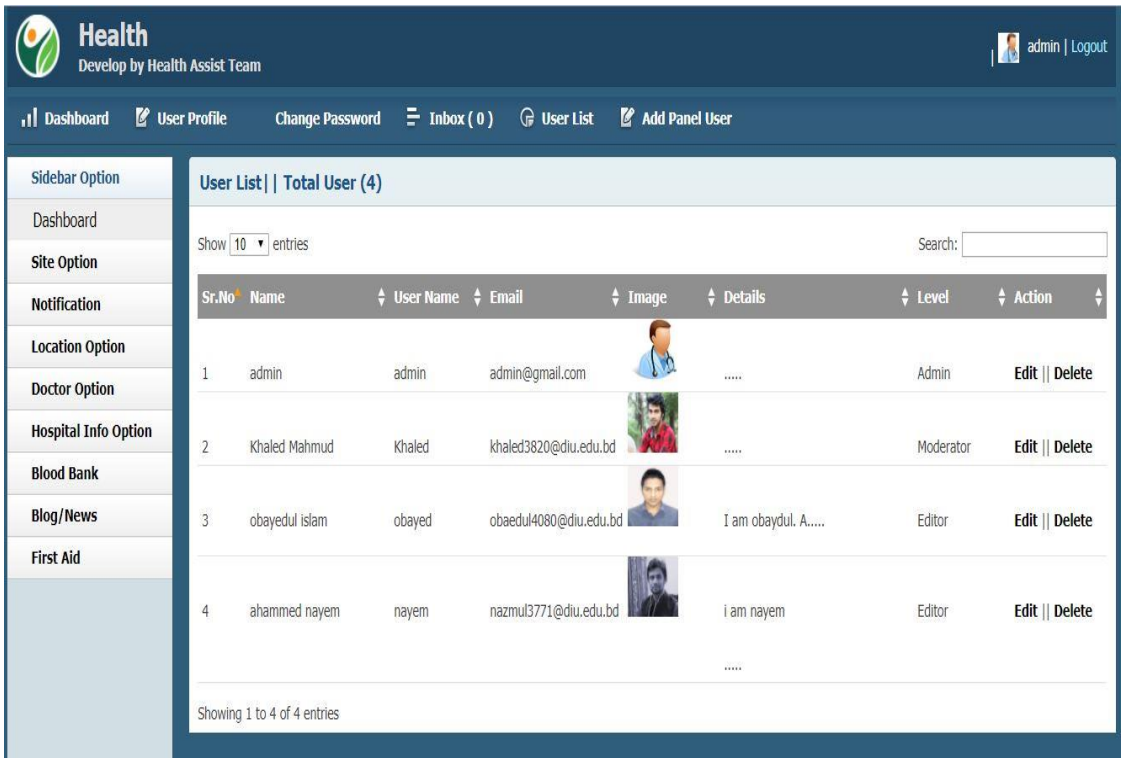

Figure B2: User list of admin panel of www.healthassist.com

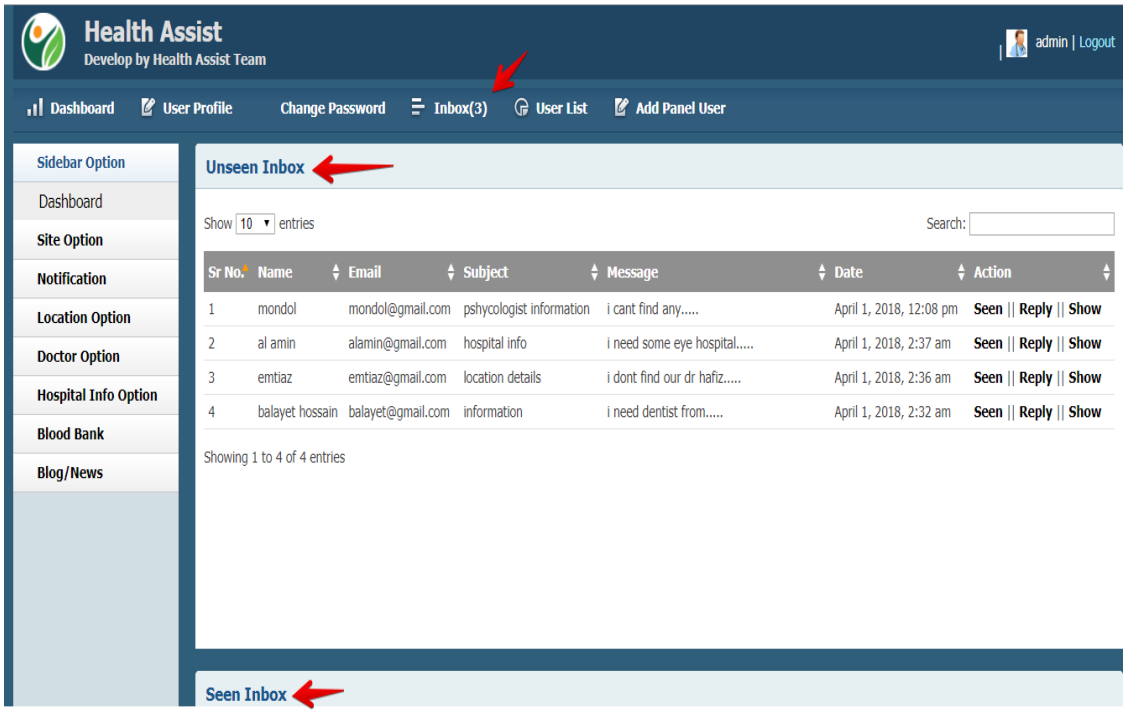

Figure B3: Admin all Contact Inbox list of www.healthassist.com

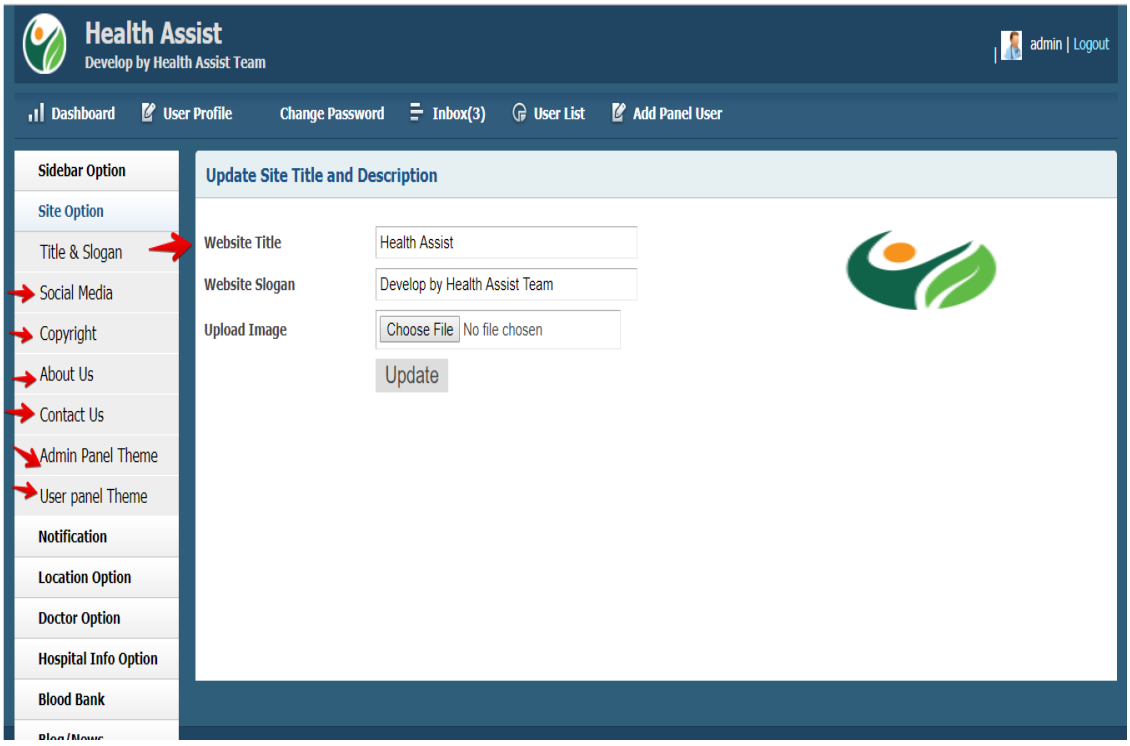

Figure B4: Admin all site option of www.healthassist.com

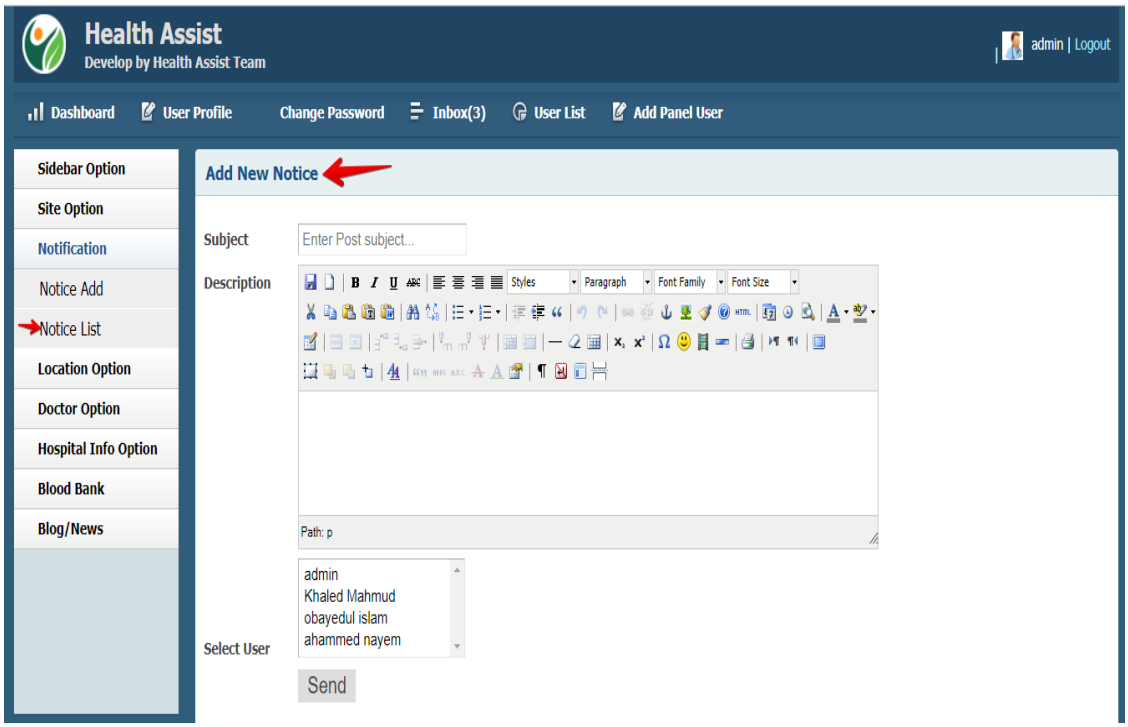

Figure B5: Admin New Notice send of www.healthassist.com

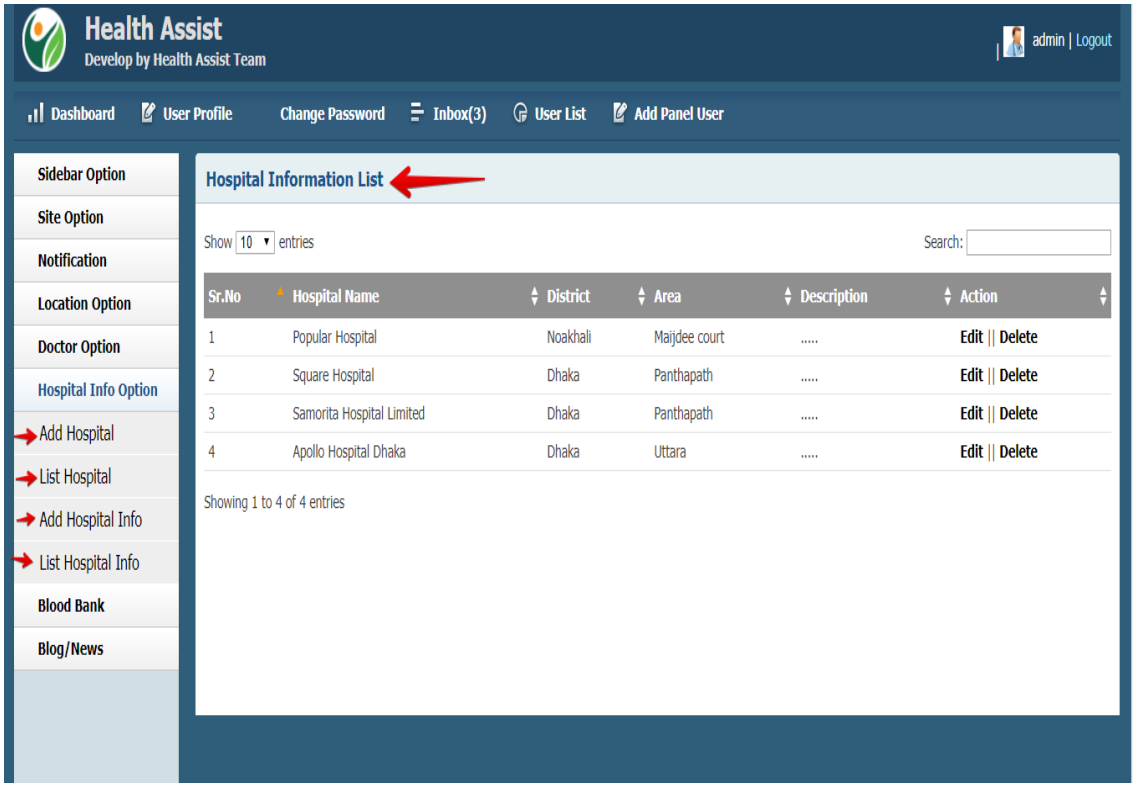

Figure B6: Hospital Information list in admin panel of www.healthassist.com

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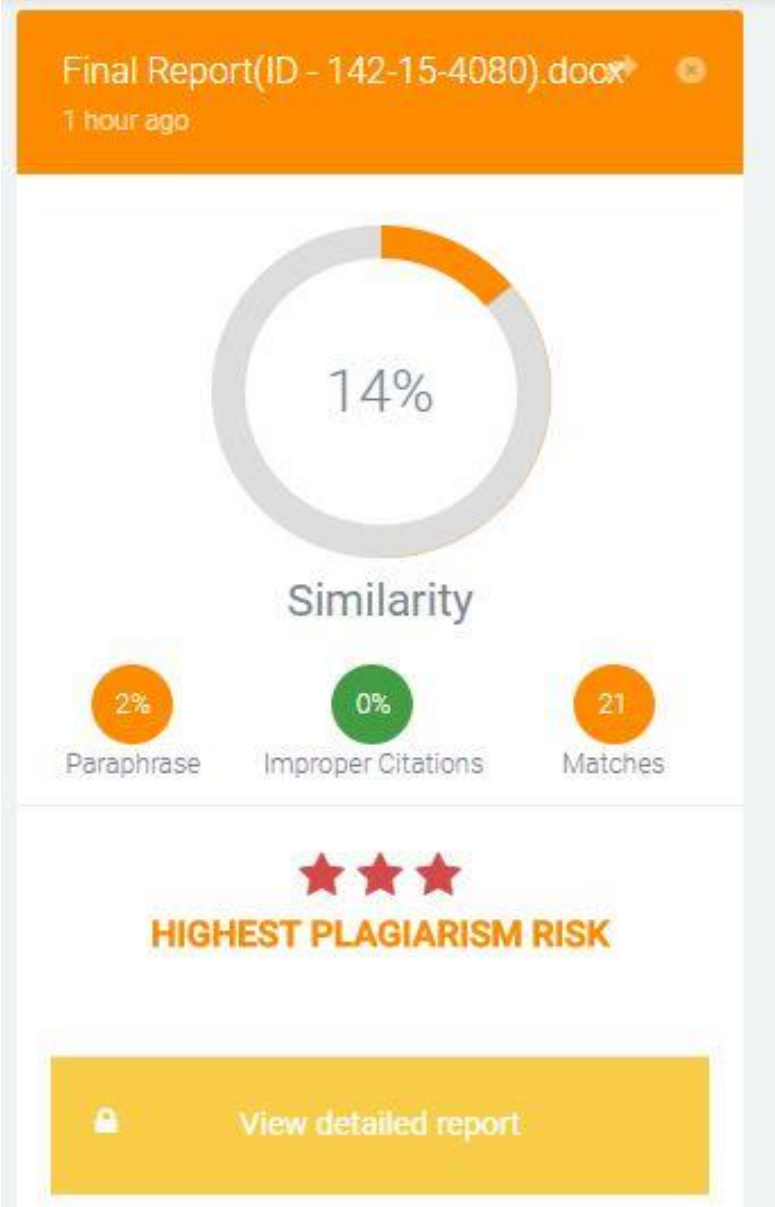
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