

DOCTOR APPOINTMENT BOOKING SYSTEM

BY

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

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DHAKA, BANGLADESH

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APPROVAL

This Project titled “**Doctor Appointment Booking System**”, submitted by Ariful Islam, ID No: 211-25-012 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 M.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 21-09-2022.

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I hereby declare that the project worked entitled “**Doctor Appointment Booking System**” Submitted to the Daffodil International University, is a record of original work done me. Expect as acknowledged in the text and that the material has not been submitted, either in whole or in part for a degree at this or any other university.

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Supervisor Abdus Sattar is an assistant professor in the department of computer science and engineering at Daffodil International University in Dhaka. I am thankful to him and deeply devoted to him. To complete this research, my supervisor has extensive understanding of and passion for computer science. This endeavor was made possible by his unending kindness, expert assistance, ongoing encouragement, frequent and vigorous monitoring, constructive criticism, insightful counsel, reading several subpar drafts and fixing them at every level.

I want to thank all of my classmates at Daffodil International University who participated in this discussion while also attending class.

Finally, I must respectfully recognize my parents' unwavering support and patience.

ABSTRACT

The main goal of this “Doctor Appointment Booking System” project is to make find the doctor appointment booking easy and comfortable for the right of the user from finding route appointment. In this project, we have two part, Admin and User. Any user will go to the Our Doctor Portal Website and they see the same route without registration and login. If user click the booking appointment route this system go to the login page. if the user before has registration they can login. Otherwise do the registration before. User login the " Doctor Appointment Booking System” then booking the doctor appointment from Appointment route and see the Dashboard route. Dashboard route has some route, they are My Appointment route and Review route. User click the My Appointment route they can see his total Appointment and click the Review route they add Review for a Doctor. Admin in this project “Doctor Appointment Booking System” will log in with the admin username and password, and admin see the Dashboard some route. There are Add Doctor, Manage Doctor, All User. Admin click the Add Doctor route and add the doctor, click Manage Doctor route and see all doctors and click All User route see all user those who are login the website. This application is created using the powerful Node.js, React.js, Express.js, Tailwind CSS, JavaScript and database system MongoDB. MongoDB Atlas server have used to display the web page, for data handling and strong. Finally, I hopeful that, the Doctor Portal will be succeed for my and Appointment Booking user.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

The "Doctor Appointment Booking System" was created to overcome the issues with the current manual system in use. The hardships that this current system faces are supported by this software, and in certain circumstances, they will even be reduced. Additionally, the system is created to meet the specific needs of the business in order to run operations efficiently. The program has been scaled back to the absolute minimum to prevent data entry errors. Additionally, it displays an error notice when you enter incorrect data. The user doesn't require any special training to utilize this system. This alone demonstrates that it is user-friendly [1]. The above-described Doctor Appointment Booking System can result in an error-free, secure, dependable, and quick management system. It can let the user focus on their other tasks rather than only record keeping, allowing them to be more productive. As a result, it will aid organizations in making better use of their resources. Managing appointment, doctor, booking, fee, and schedule information is a difficulty for every business, no matter how big or small. Each Doctor Appointment Booking System has unique doctor demands; thus we create custom personnel management systems that are tailored to your administrative needs. This is intended to aid with strategic planning and will help you make sure that your company has the appropriate amount of knowledge and information for your future objectives [3]. Additionally, our systems provide remote access options for those busy executives who are constantly on the move. This will provide you 24 hours' access to manage your personnel. In the end, these solutions will enable you to manage resources more effectively.

1.2 Motivation

I am motivated by my facing problem. When I will be booking the doctor appointment manual system then I facing many problems. such as Managing the many different appointment types. Gathering all documentation and authorizations necessary before an appointment. Adjusting schedules based on provider preferences for appointment types. I am encouraged and motive to see difference type of doctor's website like as praavahealth.com, doctordekha.com.bd, icliniq.com, and nursinghomecarebd.com etc. This application maintenance is becoming more expensive. To make it's easy and user friendly with less cost.

1.3 Objectives

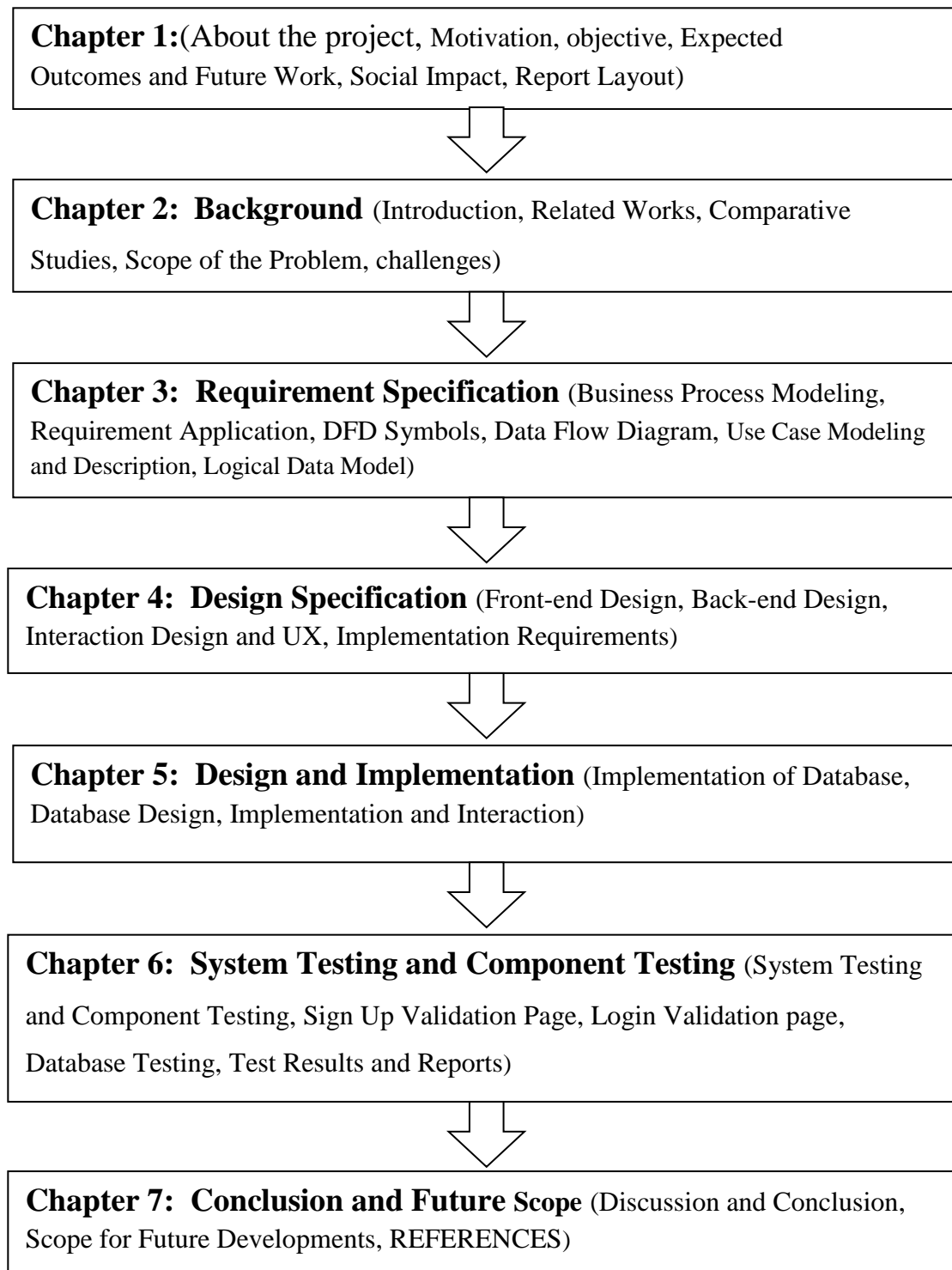
The project's major goal is to handle the information regarding appointments for doctors, patients, and bookings for doctors. It handles all of the data pertaining to doctors, their fees, appointments, and schedules. Since this project is entirely built at the administrative end, only the administrator is assured of access. The project's goal is to develop an application software to minimize manual effort involved in tracking patients, appointments, and doctor fees. It keeps track of each patient's information, appointments, and doctor's schedule [2].

1.4 Expected Outcome

I want to outcome serve my user with best possible service, other effects that happen as a result of my work and provide them the kind of comfort they want. I would also want to reduce service cost without decrease the service time for user. We will ensure that the patients who come to see the doctor get the right care [4].

1.5 Report Layout

Pictorial presentation the project in simple way with a figure that describes the whole project, contents and more. The project report contains of 7 chapters. Outline of all the chapter with a brief summary is discussed below through demographic representation.



CHAPTER 2

BACKGROUND

2.1 Introduction

In the last few days, the majority of users and I have spent a lot of time on social media or the Internet. The implementation of a booking system on this site is a user need. Users must appropriately locate their health services. In this situation, I considered creating something novel that users may find useful and utilize to book their preferred options [10]. When I first started designing the platform, I always kept in mind the notion that the design needed to be user-friendly. Patients may now simply learn more and ensure that the right use of their guide for advice is made. I create all the features that other people do, but I also add some special extra features like the ability to choose any healthcare service, the restriction against patients scheduling more than one doctor per day.

2.2 Related Works

Online Dr. Appointment booking is growing more and more popular these days because it helps patient save a ton of time and learn about other patients' experiences with a service. As a result, online Dr. Appointment booking has grown significantly in popularity among patients. As a result, I decided to write this post to share my knowledge about the top online Dr. Appointment booking system where you can be booking your preferred doctor service with some Dr. Appointment booking researchers. I'll suggest that you this system at the top Dr. Appointment booking service you can trust completely.

There are: - Daktarbhai.com, Credihealth.com, Practo.com etc.

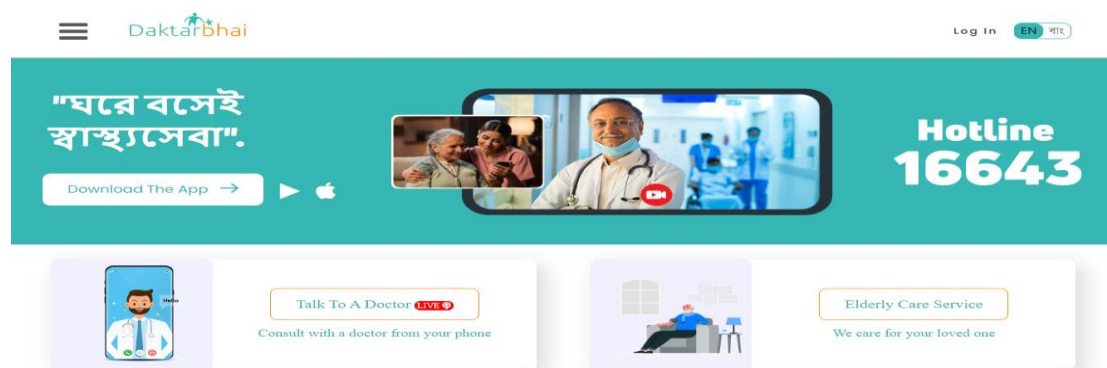


Figure 2.2.1: Daktarbhai (Dr. Appointment Booking)

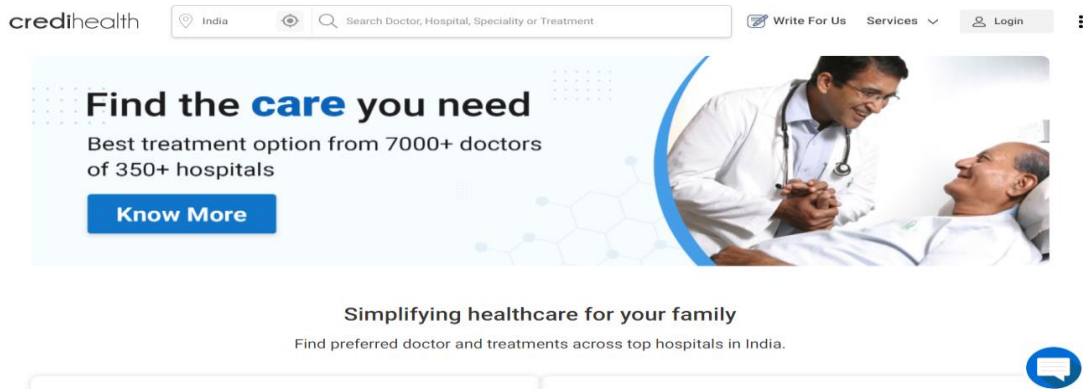


Figure 2.2.2: Credihealth (Dr. Appointment Booking)

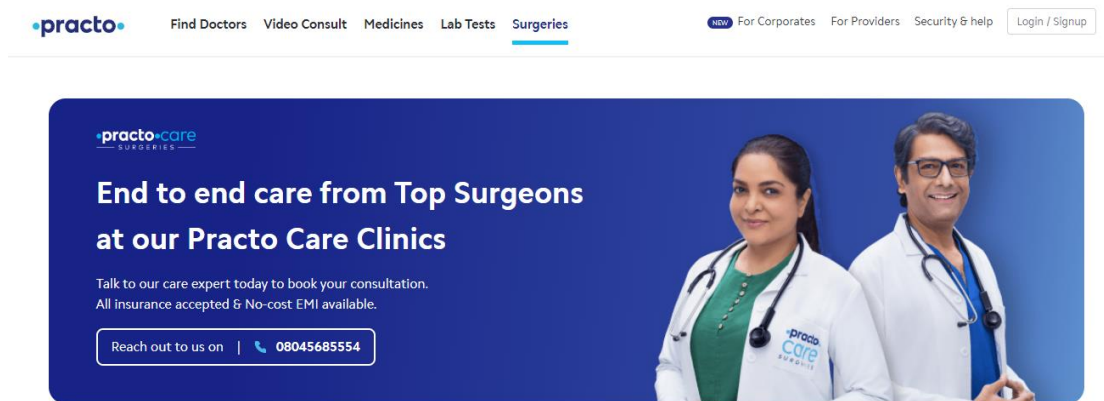


Figure 2.2.3: Procto (Dr. Appointment Booking)

2.3 Comparative Studies

Web-based appointment systems are being used more and more, but a thorough study of their potential advantages is still lacking. In order to determine if Web-based medical appointment systems may be advantageous to both patients and clinicians, this study looked at the existing body of research on the subject. Along with exploring the advantages and implementation challenges, we also wish to pinpoint the most efficient services or elements thereof [7]. The primary ideas of medical scheduling and system design have already been researched and evaluated by Cayirli et al and Gupta et al, hence it is not the goal of this study to examine their literature. To the best of our knowledge, this research represents the first comprehensive evaluation of the literature on the effects of using Web-based medical scheduling systems.

2.4 Scope of the Problem

To make patients more helpful in these sites, and given the present context of the doctor appointment booking system, I am interested in building this kind of system. There are medical appointments on my website, as I have already said. It provides assistance for every user, including patients, and needs to be utilized responsibly by everyone online. The user may effortlessly communicate and express their thoughts. In this situation, I believe that "patients" may be beneficial for receiving their healthcare. I'm hoping that patients will readily embrace my website for its special helpful feature and ability to create an online system.

2.5 Challenges

Activities often provide difficulties. There would be no work without a challenge. In my project, I too encountered several challenges. These include User Experience, Security, Backend Integration, Development Approach, Performance, etc. A program can benefit from adding more functionality, but doing so could complicate it. Therefore, make sure that every element in your doctor application is easy to use and accessible. While working on the creation of on-demand healthcare applications, you shouldn't overlook some of these crucial elements.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling

Mapping and workflow modeling are used in business process modeling to enable comprehension, assessment, and positive change. Business process modeling is a tool for improving an organization's efficiency and standard of excellence. A crucial aspect of the process is the diagram. I really define my business concept using figures. explains how a scheme processes UI information. Figure 3.1 shows the context model I first drew. When scheduling a doctor's appointment, the patient selects the doctor's specialty before any other tasks.

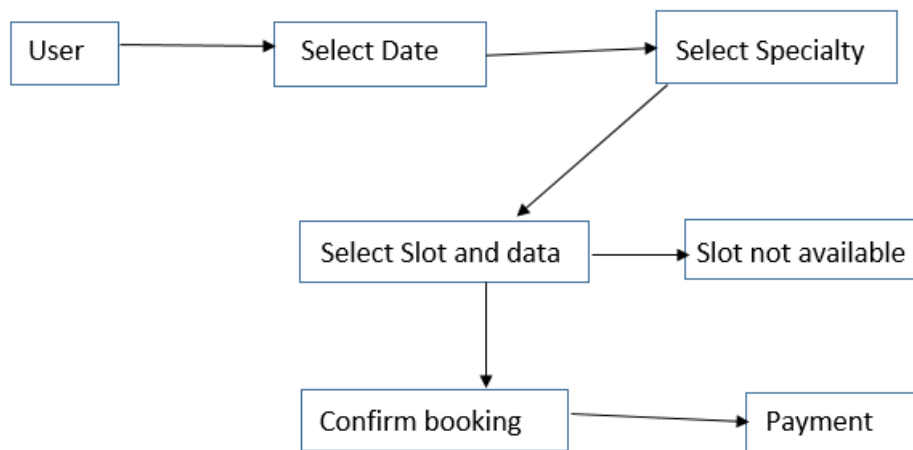


Figure 3.1: Business Process Model for Doctor Appointment Booking

3.2 Requirement Application

One of the key phases in the development of apps is the gathering and assessment of requirements. Before installing the actual program, a few prerequisites of the necessary scheme must be mounted.

- Operation system (windows 7/10)
- Frontend Development –
 - React.js, Tailwind CSS, JavaScript.

- Backend --
 - Node.js, Express.js, JWT
- Firebase Authentication.
- Stripe (Payment System).
- MongoDB (Database).

3.2.1 DFD Symbols

The descriptions of each requirement are provided below:

1. External Entities: Squares are used to indicate the source or destination of data as external entities.
2. Process: Rectangles with rounded corners are used to illustrate processes.
3. Data Flow: Arrows are used to represent data flows to indicate a physical or electronic flow of data.
4. Data Stores: Data Stores are open-ended rectangles that represent actual or electronic-like XML files.

The process of converting incoming data flows into an outgoing data stream is known as a circle or bubble. Displaying processes, storing data, etc. in figure.

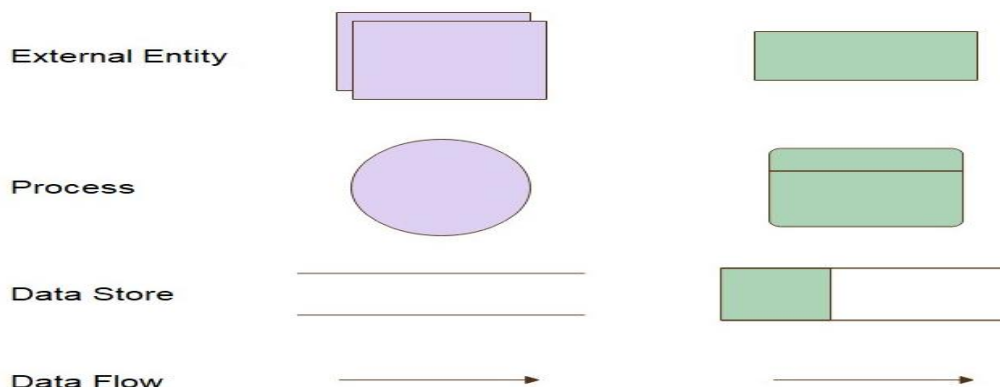


Figure 3.2.1: DFD Symbols

3.2 .2 Data Flow Diagram

A logical model is a completely allocated data model that is not constrained by organizational, technological, or DBMS constraints. Business-as-usual information requests are frequently defined. Relational notation is a common tool for information modeling. To construct the final information implementation, relational technology is not required. After this figure displaying user DFD diagram.

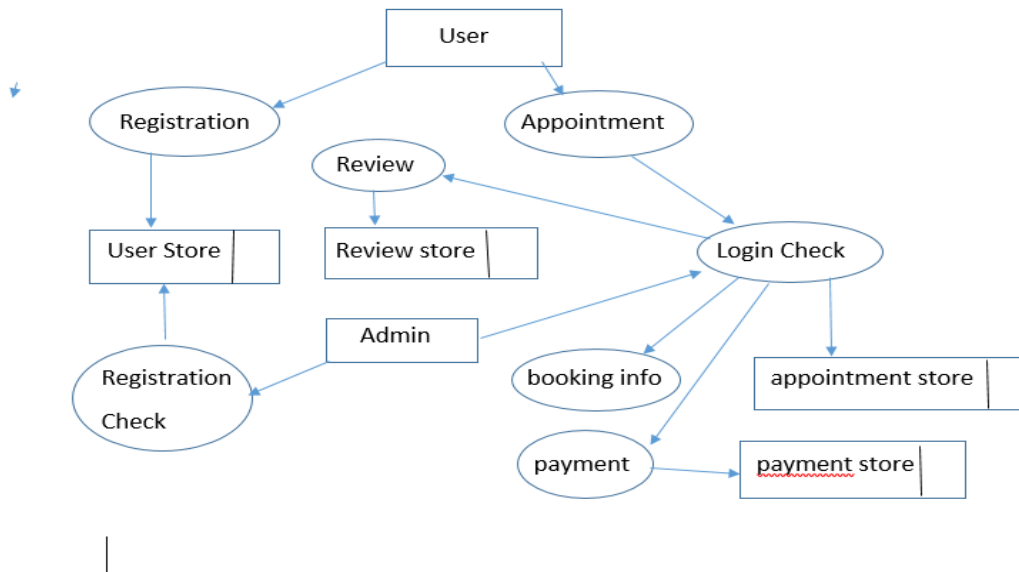


Figure 3.2.2: User DFD Diagram

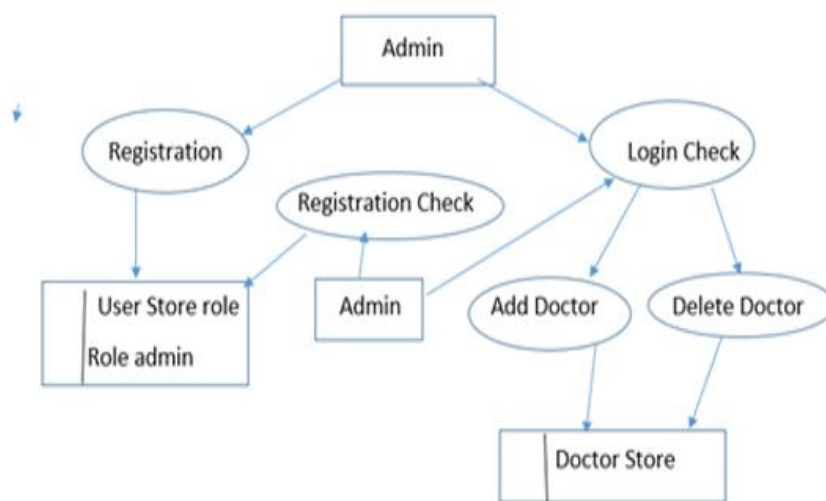


Figure 3.2.3: Admin DFD Diagram

3.3 Use Case Modeling and Description

A use case is a description of how a consumer will use the system to accomplish business goals. It displays a system or functional intervention. The verb or verb+noun phrase designates the cases of usage. An application case diagram's two main components are use cases and actors. In a use case diagram, an actor is any object carrying out a task according to a predefined scheme. I see a scenario and an actor. figure as follows using a use case model in figure.

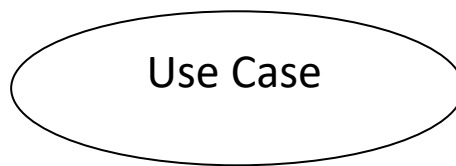


Figure 3.3.1: Use Case.

Usually the model in figure 3.3.2 is brief but adequate to specify a user objective. My project's users are people who want to make doctor appointments, and the mechanism I used to make appointments was online.

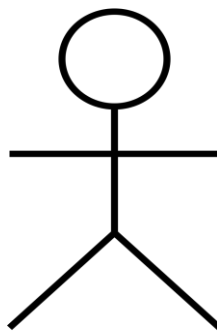


Figure 3.3.2: Actor.

For instance, any user will go to the Our Doctor Portal Website and they see the same route without registration and login. If user click the booking appointment route this system go to the login page. if the user before has registration they can login. Otherwise do the registration before. User login the " Doctor Appointment Booking System" then booking the doctor appointment from Appointment route and see the Dashboard route. Dashboard route has some route, they are My Appointment route and Review route. User click the My Appointment route they can see his total Appointment and click the Review route they add Review for a Doctor. User create a

appointment then Go Appointment page. Choose the subject you need to discuss and click Book Appointment. Pick a time slot from the options available. Enter your phone number. On the bottom of the screen click submit button. You're Appointment Done!

Following this Figure 3.3.3 showing administrator and operating user use case model.

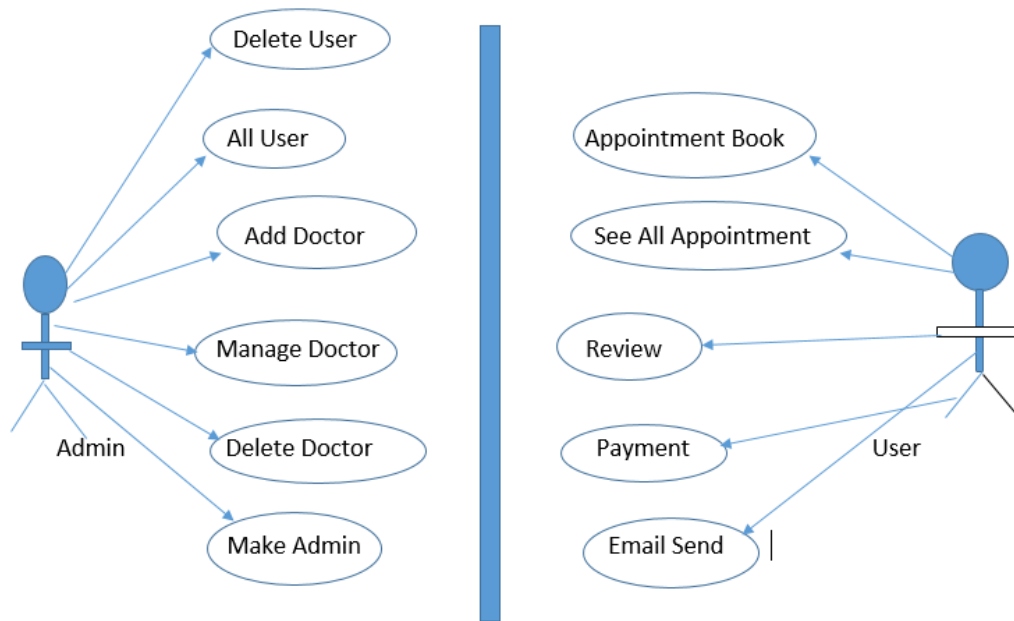


Figure 3.3.3: Use Case Model.

3.4 Logical Data Model

Whatever the physical implementation of the data in the database may be, a logical data model explains the data in as much detail as feasible. It involves every entity and its connections. The logical data model and the physical data model are both included in the Entity Relationship Diagram, often known as the ER diagram. Each entity in the ER diagram has all of its properties specified. The requirements for my project's design will set it apart from the thing I've created—be it a system, product, or experience. Each object has a specified primary key. All characteristics and the foreign key are given. type. In figure 3.4.1 had shown the projects ER diagram, design of database table.



Figure 3.4.1: E-R Table DBMS.

Following this Figure 3.4.2 had shown E-R Diagram of user and admin category.

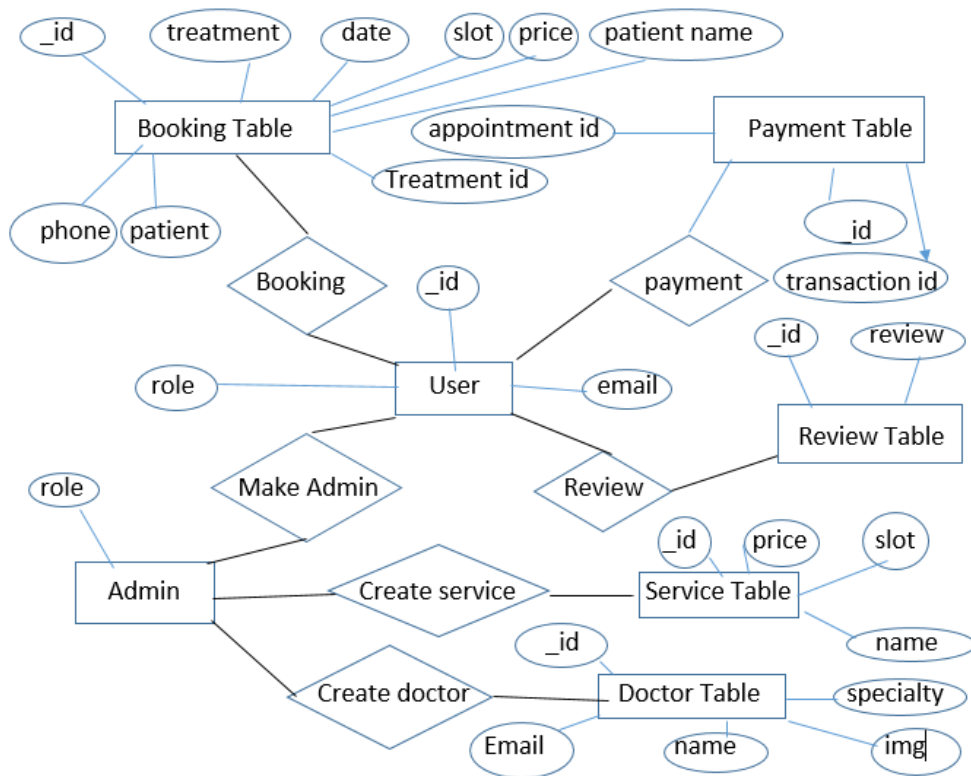


Figure 3.4.2: E-R Diagram

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end Design

The front end is the most important part of the website. The only method to interact with the scheme is to design an uncomplicated and user-friendly front end or GUI because it operates on the presentation layer and is shown directly to the user. The maxim "Everything must be made as simple as feasible" is a well-known design maxim. Albert Einstein said, "But not simpler," therefore I attempted to maintain my design as straightforward and user-friendly as possible, even if the programming duties weren't simple. After all, I created it with the user in mind, and I'm hoping they'll have no trouble using it. I've included my application's front-end design below. Following this figure 4.1.1 had shown part of Home, About, Appointment, Contact, Review, Doctor, and Login or Sign-out and all use front-end design.

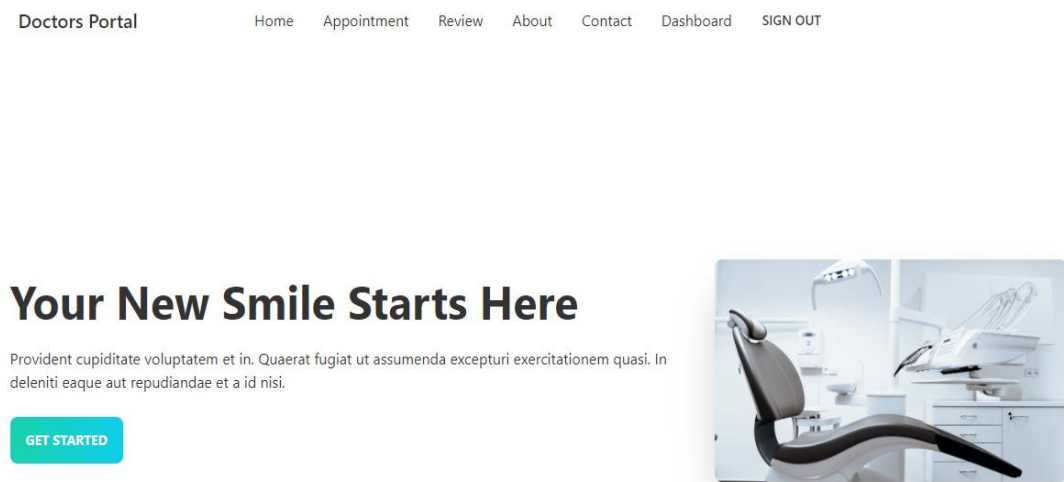


Figure 4.1.1: Banner Home Page.

Home Page- Contact: Following this Figure 4.1.2 you can know our contact number, opening hours and address.

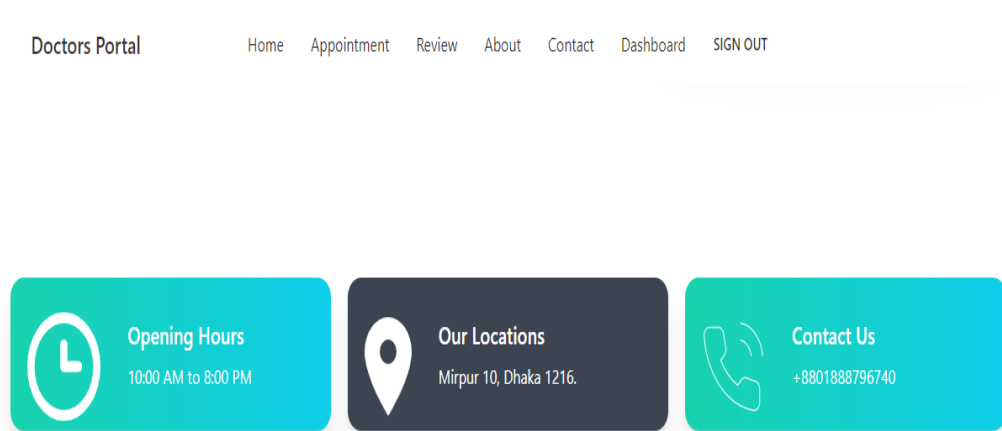


Figure 4.1.2: Home page –contact.

Home Page- Service: Following this Figure 4.1.3 you can know our service.

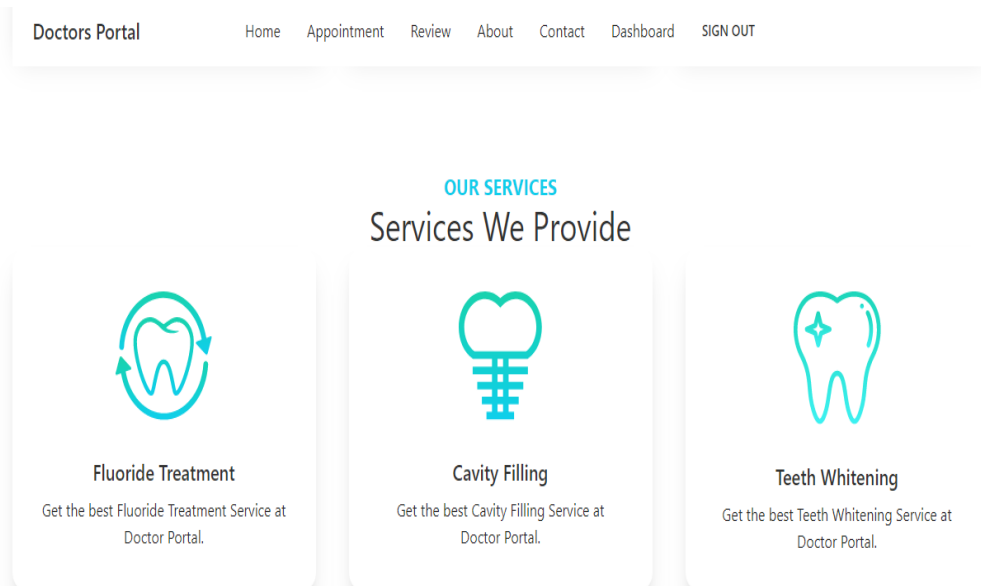


Figure 4.1.3: Home page –service.

Home Page- Appointment: Following this Figure 4.1.4 you can know make an appointment today.

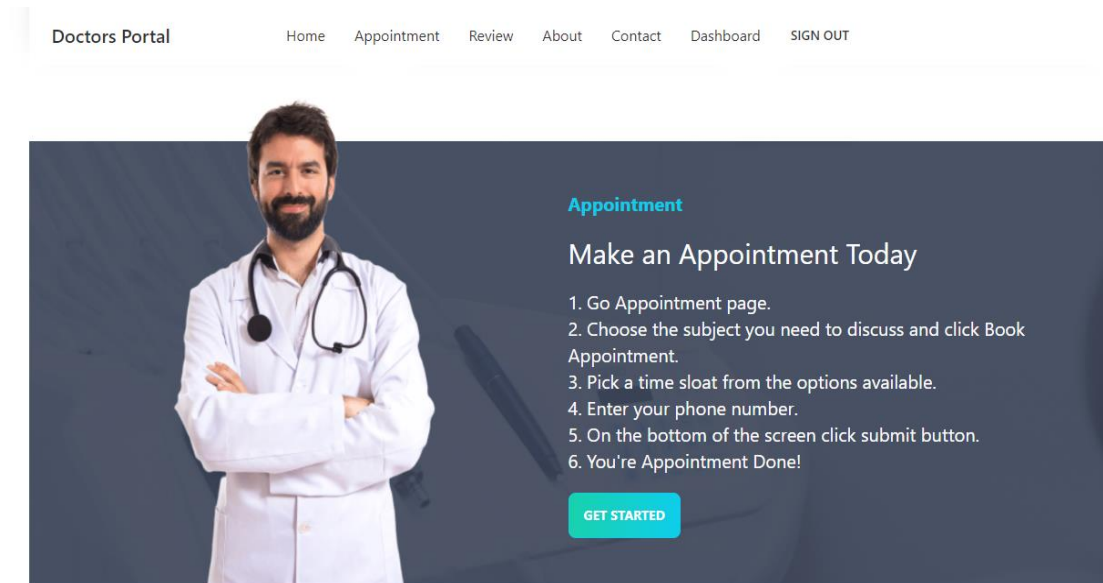


Figure 4.1.4: Home page –appointment.

About Page: Following this Figure 4.1.5 User click the About page and see the about in doctor portal.

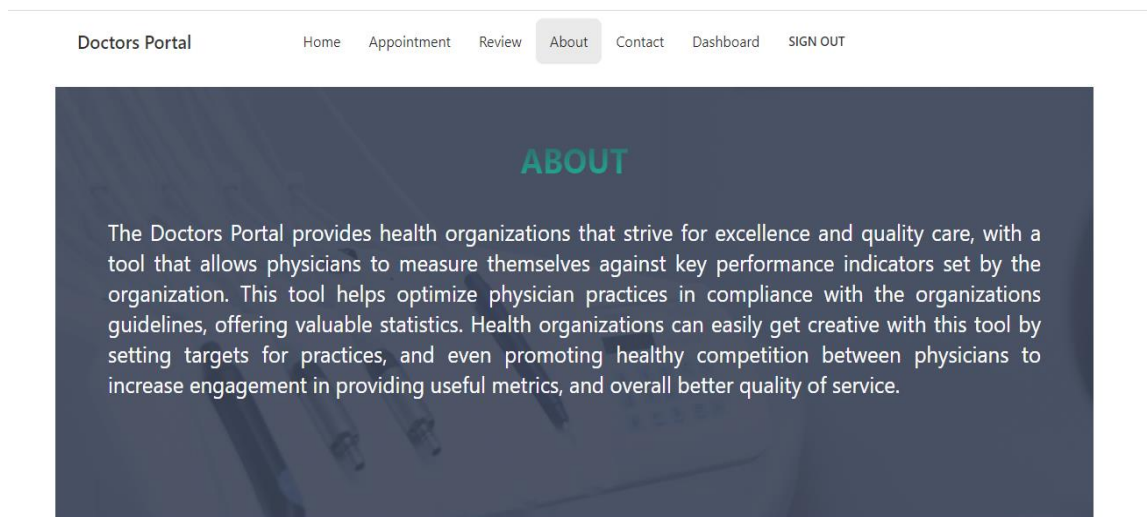


Figure 4.1.5: About Page.

Review Page: Following this Figure 4.1.6 user click the review route and see the all user review that.

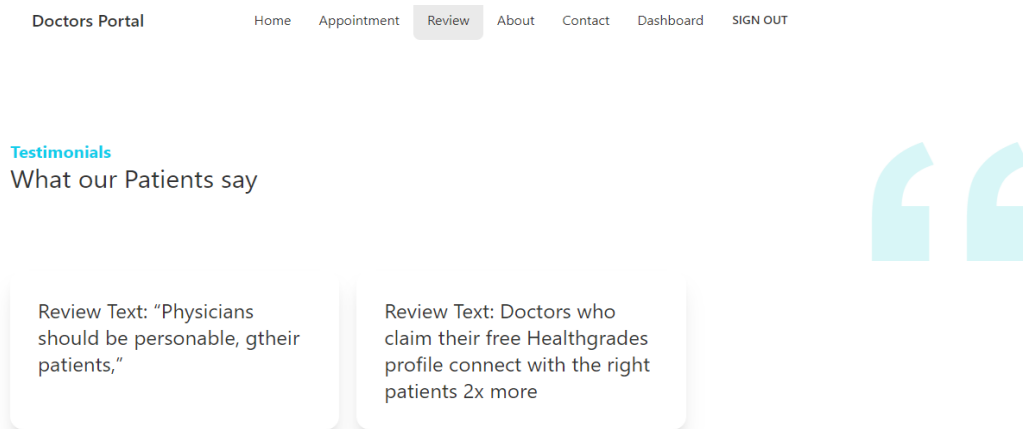


Figure 4.1.6: Review Page.

Contact Page: Following this figure 4.1.7 User click the Contact route then see the Contact form. User fill up the name, subject, email, and message filed and click the submit button. This information received the admin.

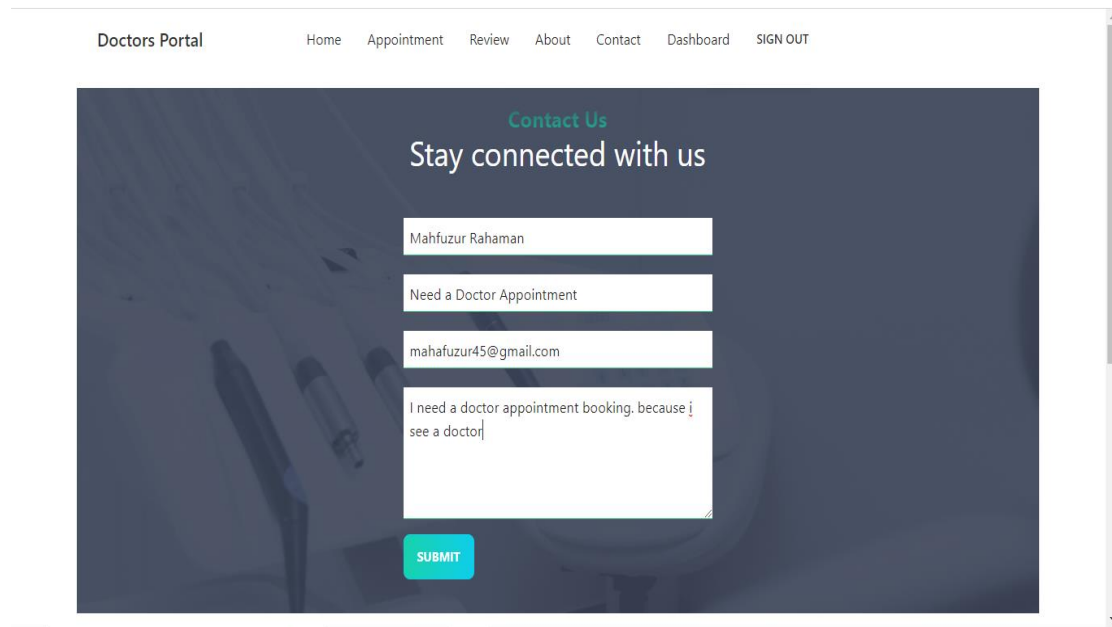


Figure 4.1.7: Contact Page.

Contact Page-Output: Following this figure 4.1.8 This information received the admin.



Figure 4.1.8: Contact Page Output Email.

Appointment Page: Following this figure 4.1.9 User click the appointment route.

1. Choose the subject you need to discuss and click Book Appointment.
2. Pick a time slot from the options available.
3. Enter your phone number.
4. On the bottom of the screen click submit button.
5. You're Appointment Done!

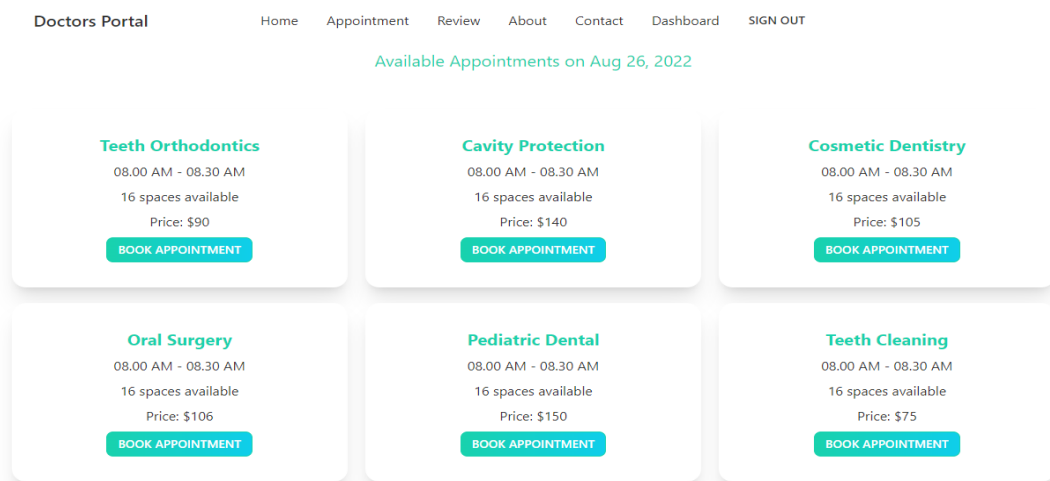


Figure 4.1.9.: Appointment Page

Sign Up Page: Following this figure 4.1.10 Here, two-way Sign Up for user. One hand is user name, email and password fillip then click Sign Up button. Other hand is Sign Up with Google Account.

Doctors Portal Home Appointment Review About Contact Login

Sign Up

Name
Your Name

Email
Your Email

Password
Password

SIGN UP

Already have an account? [Please login](#)

OR

CONTINUE WITH GOOGLE

Figure 4.1.10: Sign Up Page

Log in Page: Following this figure 4.1.11 Here, two-way Log in for user. One hand is email and password fillip then click Log in button. Other hand is log in with Google Account.

Doctors Portal Home Appointment Review About Contact Login

Login

Email
Your Email

Password
Password

LOGIN

New to Doctors Portal [Create New Account](#)

OR

CONTINUE WITH GOOGLE

Figure 4.1.:11 Log in Page.

4.2 Back-end Design

Back-end is a component that the user cannot see or is ignorant of, yet it functions. The back-end typically consists of three components. An implementation comes first, followed by an implementation and a database. Back-end technology often consists of languages like Node.js, Dashboard, etc. Although frond-end design is the only method of user interaction, users cannot see or understand how the system functions. Everything that takes place on the server or in the background is handled by the back-end. Actually, an interaction design that calls processes the issue and determines the conclusion, executes the action while respecting the decision, and resolves the problem. To create and keep the back-end section, I use Node.js, Express.js, jwt token, MongoDB database and MongoDB Atlas server in our project.

Appointment Page: Following this figure 4.2.1 User go to Appointment page for cavity protection appointment booking then click book appointment.

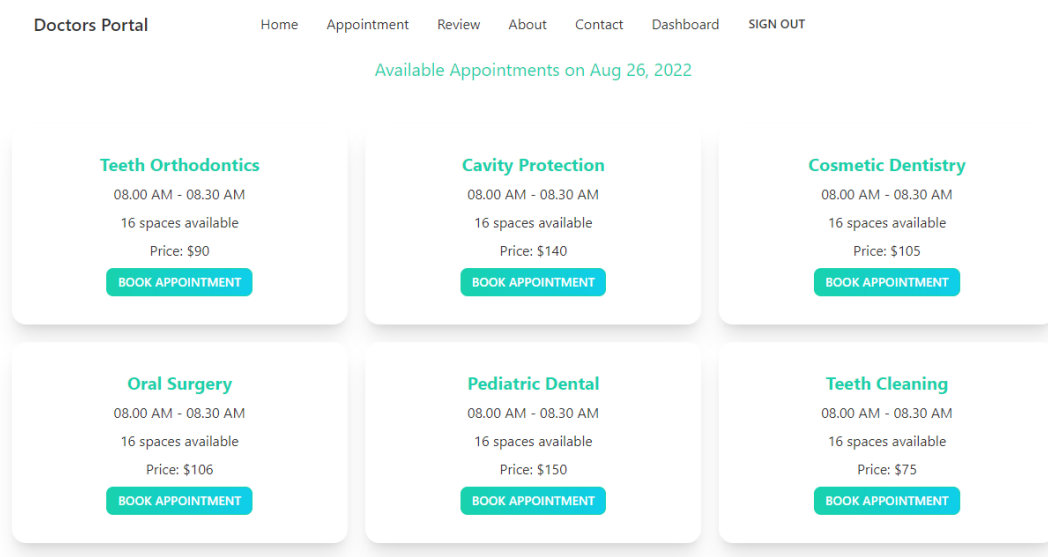


Figure 4.2.1: Appointment Page.

Booking Modal: Following this figure 4.2. click book appointment the show the booking modal. Then fill-up the information and click submit button. Message show booking successfully added.



The image shows a booking modal titled "Booking for: Cavity Protection". It contains several input fields: a date field with "Aug 26, 2022", a time slot dropdown menu showing "09.30 AM - 10.00 AM", a name field with "Ariful Islam", an email field with "ariful.bsc.cse@gmail.com", and a phone number field with "01888796740". A prominent green "SUBMIT" button is at the bottom. A close button (X) is in the top right corner.

Figure 4.2.2: Booking Modal.

Booking Date Picker Following this figure 4.2.3 click book appointment the show the Booking Date Picker. Select any date, month and year for the booking date.

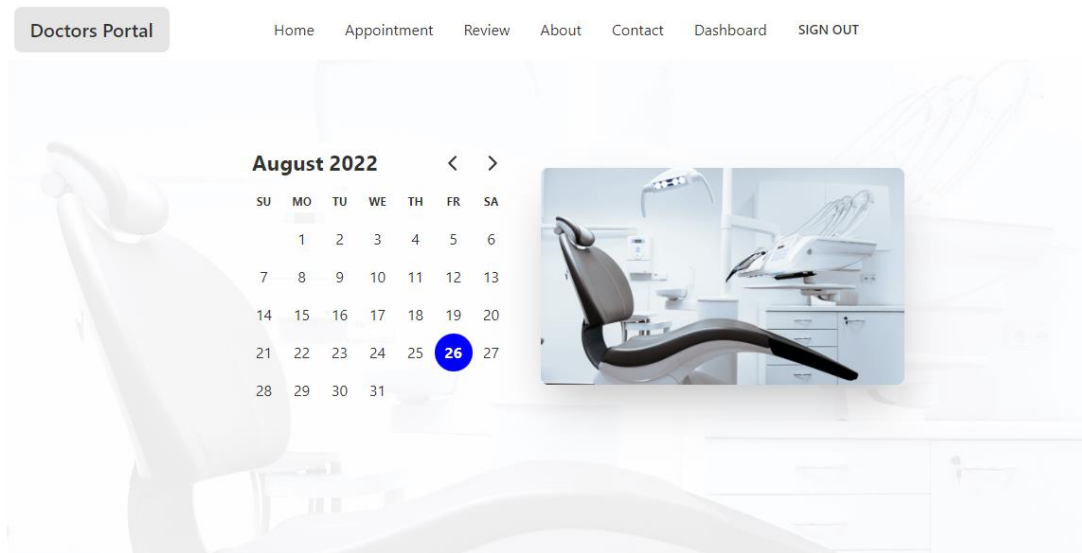


Figure 4.2.3: Booking Date Picker.

4.3 Interaction Design and UX

I am asked this question a lot. Sadly, the answer to this question is not simple. First, the two websites have the same worldwide definition. This suggests that my user's understanding of the website must be modified and given top priority in the proposal.

In specifically, the field of interface design looks at how users and systems interact. Actually, an interaction design that calls processes the issue and determines the conclusion, executes the action while respecting the decision, and resolves the problem. Without a doubt, an interface designer's work must adhere to some sort of UX design methodology. If interface designers are left with the results of UX studies instead of what people want, then there is little value in doing user research and learning what they want. Actually, an interaction design that calls processes the issue and determines the conclusion, executes the action while respecting the decision, and resolves the problem.

The overall user-application experience is the emphasis of user experience, on the other hand. My project has various elements that allow for user communication. One of these features is a personal blog, which enables users to share ideas and inspiration and may inspire them to use the system. I've worked very hard to make my system simple and easy to use for better experience and efficiency, and I'll continue to do so in an effort to provide a fantastic user experience through my website.

4.4 Implementation Requirements

Developmental tools are mostly used to create a whole web page where all features are derived from the tools. Setting specifications is the first stage in creating a significant sports venue. Without requirements, you wouldn't have any backbone. because the developer is unsure of his next steps. The system's weedy details are provided by requirements, which are essential to prevent the system from entering an undefinable state. Therefore, it is crucial to create a good requirement implementation for their website.

This section's primary responsibility is to make sure that everything is simpler, more practical, and easier to use.

Our understanding of the implementation need was excellent. Below is a list of the implementation requirements:

1. simpler to produce.
2. User-friendly.
3. pleasant, and more interactive.
4. dynamic pages and easier to control.

CHAPTER 5

DESIGN AND IMPLEMENTATION

5.1 Implementation of Database

The tables below have been built in accordance with the system's specifications. When empty of data, the tables are sometimes referred to as database schema. The total database system is primarily described by the schema. The execution step involves setting up the DBMS on the required hardware, tuning the database to work as efficiently as possible on that hardware and software platform, building the database, and loading data. Therefore, follow this Table.

Table 5.1 Database Table

| Field Name | Data Type | Primary Key |
|------------|-----------|-------------|
| _id | Object id | Primary key |
| name | String | |
| slot | Array | |
| price | Int | |

5.1.1 Database Design

The process of creating an extensive database model is through the database design. The physical storage characteristics, logical design choices, and physical design considerations required to produce a design in a language of data definition that can subsequently be utilized to create a database are all included in this data model. The term "database design" can be used to describe a wide variety of unique elements of a generic database system design. The logical design of the database systems used for data storage may be taken into consideration, primarily and most precisely. Although

forms and queries used inside the database management system (DBMS) as a component of the entire database application can also be included in the design process, the phrase "database design" can also refer to the process of designing a database as a whole, not only its structures. All numbers below utilize a database.

Following figure 5.1.1 has showing Admin login page. Admin login the website and he can see the dashboard.

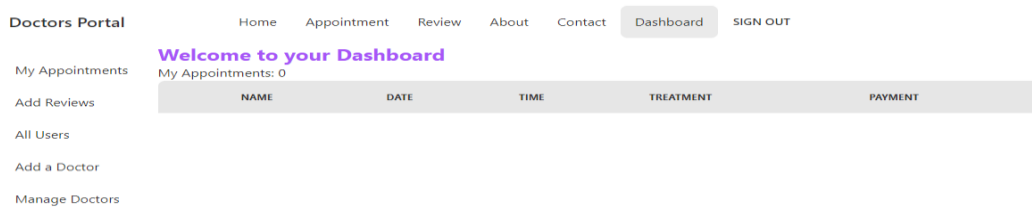


Figure 5.1.1: Admin Login & See Dashboard.

My Appointment Page: Following this figure 5.1.25 User click the My Appointment page and see his all appointment booking list.

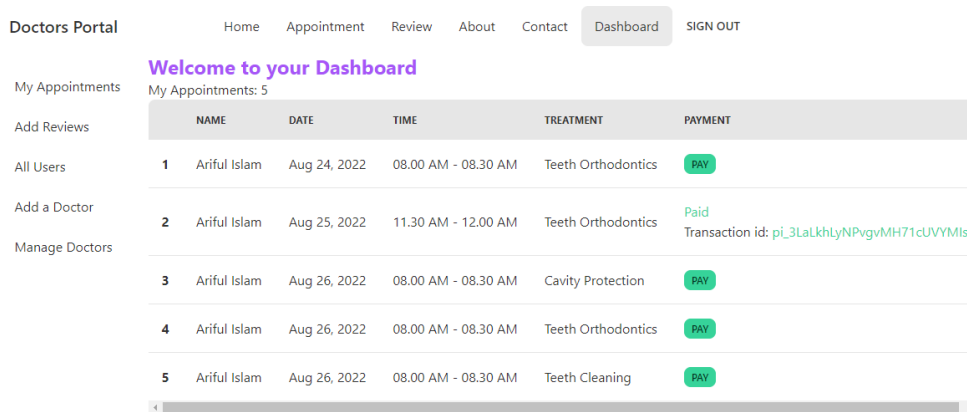


Figure 5.1.2: My Appointment Page.

Payment Page: Following this figure 5.1.3 user pay the payment for booking appointment then click the pay button.

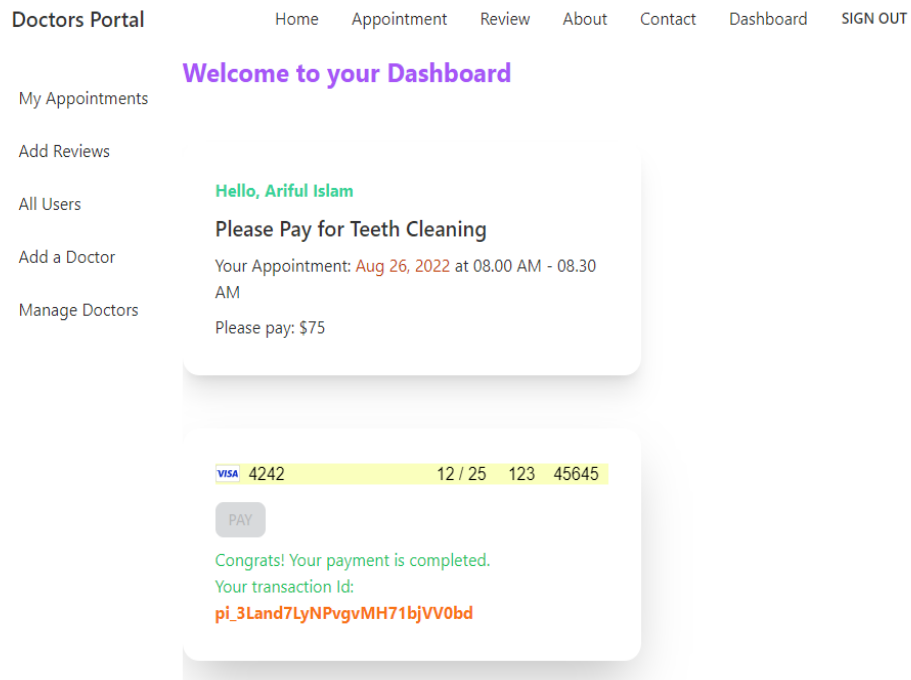


Figure 5.1.3: Payment Page

All Users Page: Following this figure 5.1.4 Only admin can see all users and he make an admin any user.

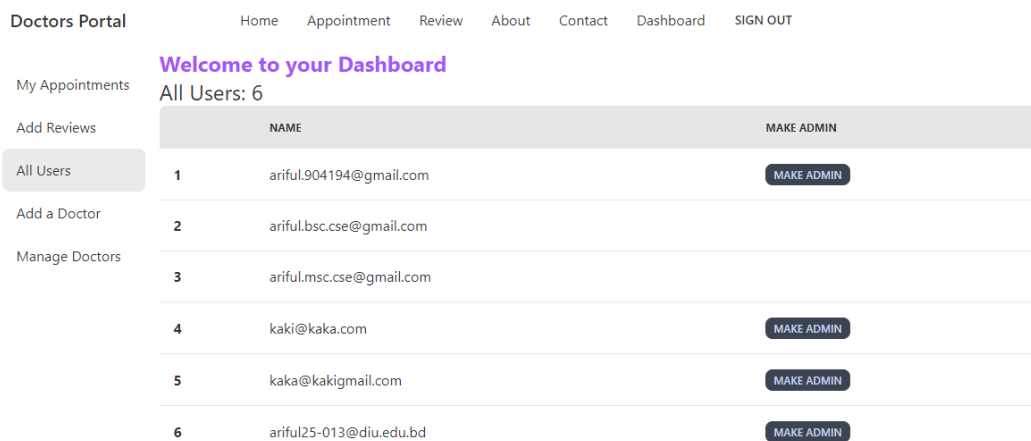


Figure 5.1.4: All Users Page

Add Doctor Page: Following this figure 5.1.5 only admin can add a doctor and include his information.

The screenshot shows a web dashboard titled 'Doctors Portal' with a navigation menu including Home, Appointment, Review, About, Contact, Dashboard, and SIGN OUT. The main content area is titled 'Welcome to your Dashboard' and 'Add a New Doctor'. It contains a form with the following fields: Name (text input with 'Ariful Islam'), Email (text input with 'ariful.904194@gmail.com'), Specialty (dropdown menu with 'Oral Surgery'), and Photo (file upload button labeled 'Choose File' with 'NSI Photo.jpg' selected). A dark 'ADD' button is at the bottom of the form.

Figure 5.1.5: Add Doctor Page.

Manage Doctor Page: Following this figure 5.1.6 only admin can see Manage Doctor Page and Delete any Doctor this website.

The screenshot shows the 'Manage Doctors' page in the dashboard. It features a table with the following data:


| AVATAR | NAME | SPECIALTY | ACTION |
|---|--------------|--------------------|------------------------|
| 1  | Ariful Islam | Cosmetic Dentistry | DELETE |

Figure 5.1.6: Manage Doctor Page.

Add a Review Page: Following this figure 5.1.8 user and admin are both add a review.

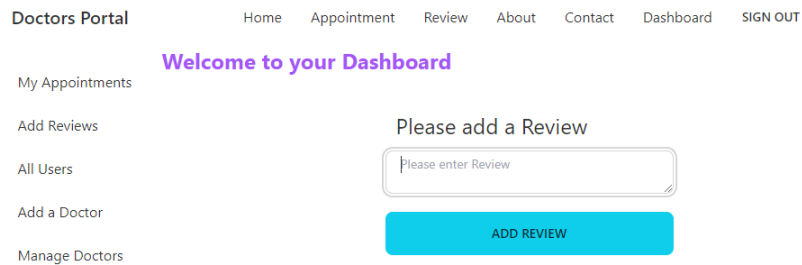


Figure 5.1.7: Add Review Page.

5.2 Implementation and Interaction

In today's system, interactions are commonplace. Making a system dynamic and user-friendly is crucial. Additionally, making a system engaging is crucial. We made an effort to create a user-friendly and dynamic platform, as we previously said. It should be carried out in a manner that draws in the user.

CHAPTER 6

SYSTEM TESTING AND COMPONENT TESTING

6.1 System Testing and Component Testing

System testing entails executing an embedded system-wide test and integrating two or more system components to evaluate the functioning of the system. Google Chrome, Opera 35.0, and Internet Explorer 8 have all been used to test the program. Additionally, Windows was used to evaluate the software.

The process of putting the system's individual components to the test to see if their necessary functionality is being satisfied is referred to as component testing, also known as module testing. It allows for the detection of flaws in a system's modules or pieces, guaranteeing that all flaws in each component are made public and may be fixed [9]. Prior to inclusion testing, component testing is essential since it aids in the discovery of problems.

6.2 Sign Up Validation Page

The Sign Up validation page is shown in Figure 6.2. User access the system at first click the Sign Up button and fill up some information. If the information is correct then he goes to home page. and if he provides his information is wrong (such as ariful120gmail.com or password is less than 6 characters) he cannot Sign Up in this system. And error message show bellow.

The screenshot displays a web interface for a 'Doctors Portal'. At the top, there is a navigation menu with links for Home, Appointment, Review, About, Contact, and Login. The main content area is titled 'Sign Up'. It contains a form with two input fields: 'Name' (filled with 'Mahfuzur Rahman') and 'Email' (filled with 'mahafuzur45gmail.com'). A red error message box is overlaid on the email field, stating: 'Please include an '@' in the email address. 'mahafuzur45gmail.com' is missing an '@'. Below the form, there is a dark 'SIGN UP' button, a link that says 'Already have an account? Please login', and a 'CONTINUE WITH GOOGLE' button.

Figure 6.2: Sign Up Validation Page

6.3 Login Validation page

The Login validation page is shown in Figure 6.2. If user create a registration in this system and he provide his proper information, then he login the system. Otherwise if he provides wrong username or password, the system displays a warning message showing “Invalid username or password” but gives the user another attempt to enter the correct details before redirecting to the homepage.

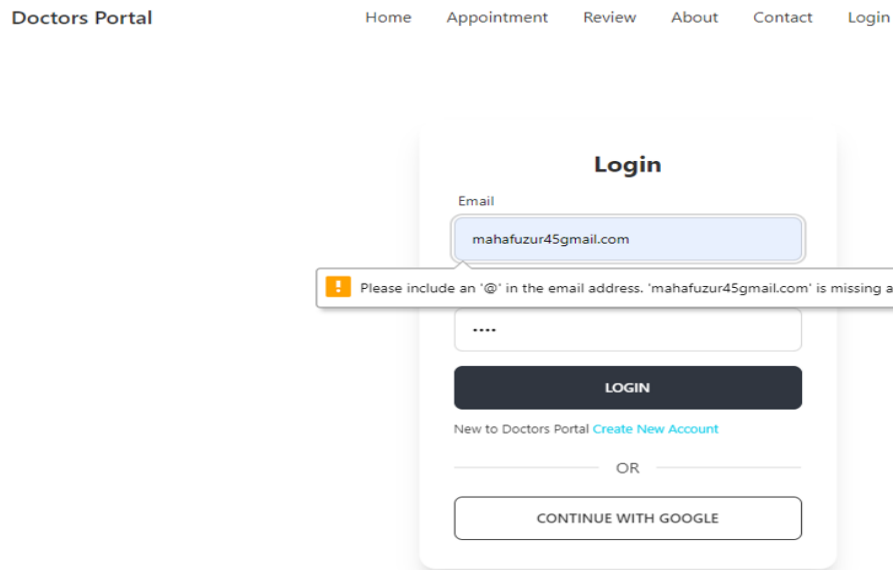


Figure 6.3: Login Validation page

6.4 Database Testing

Database testing is important since it aids in finding errors that may affect a system's dependability, consistency, and safety. Additionally, it aids in evaluating the plan in light of user requirements. To have a database system that satisfies the essential requirements of a database management system, database testing is essential. Following this figure 6.4 record all categories.

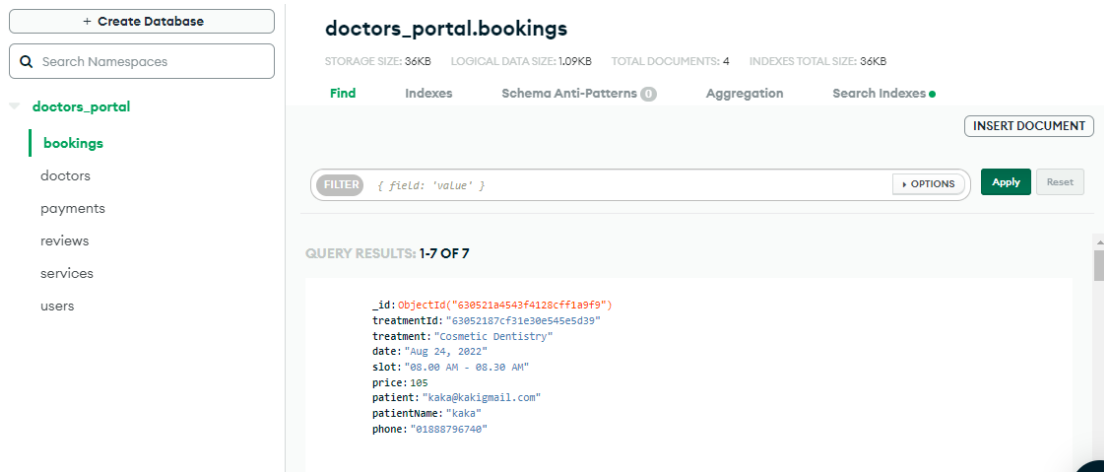


Figure 6.4: Database Table Image

Booking Table Image: Figure 6.4.1 demonstrates the system's Booking table image. The table contains Booking related to their information.

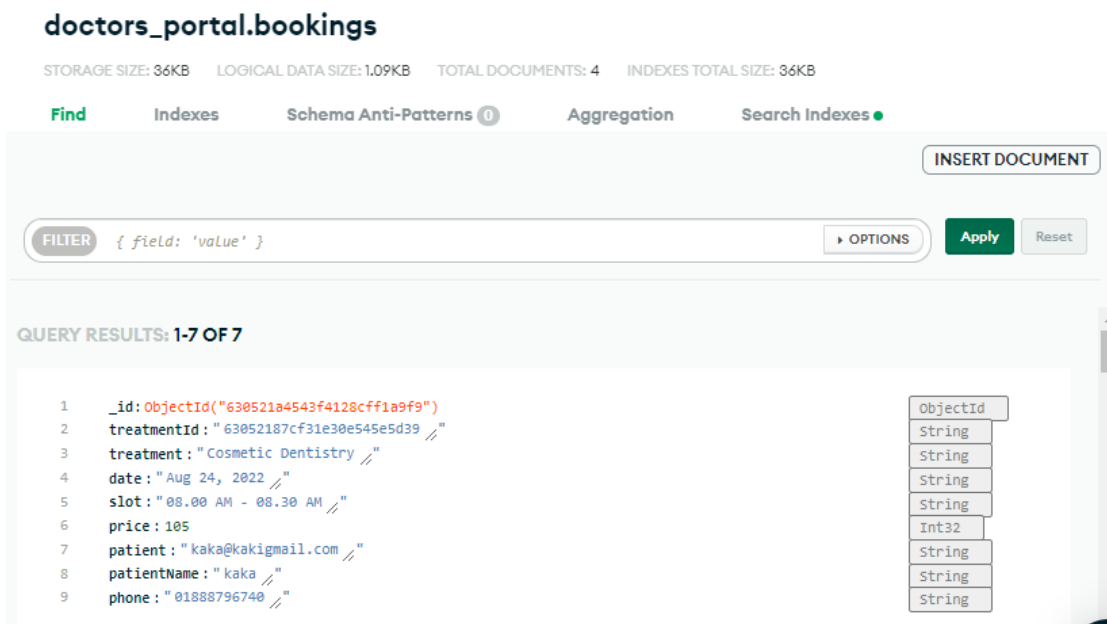


Figure 6.4.1: Booking Table Image

User Table Image: Figure 6.4.2 utilized to store user data that has signed up for the program. The majority of the information entered by the user during registration is saved in the user table.

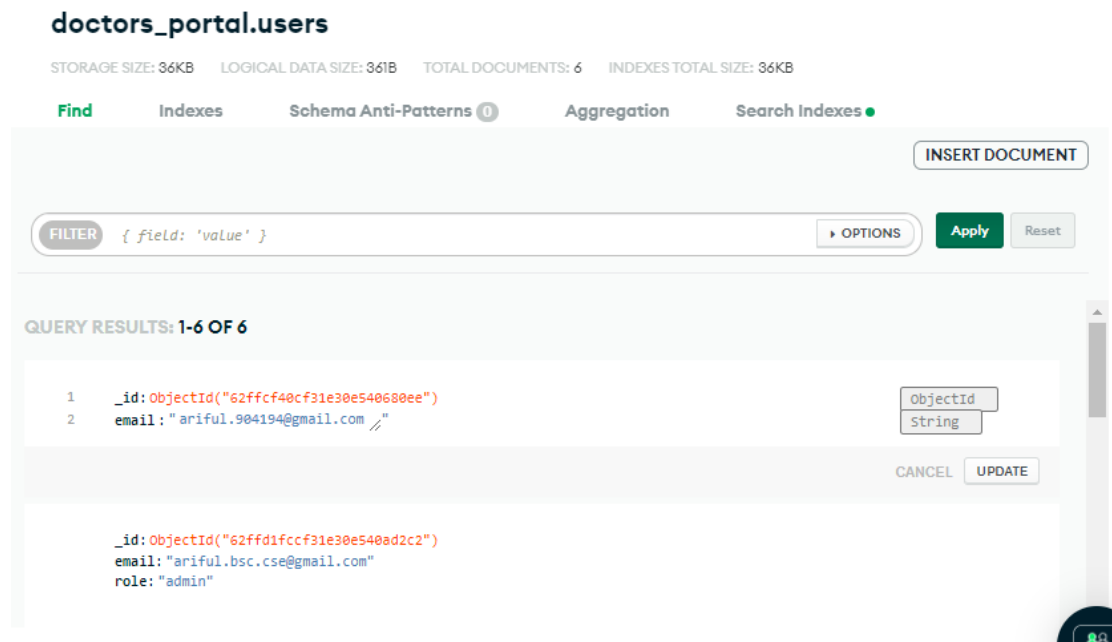


Figure 6.4.2: User Table Image

Service Table Image: Figure 6.4.3 demonstrates the system's service table image. The table contains all service in this website.

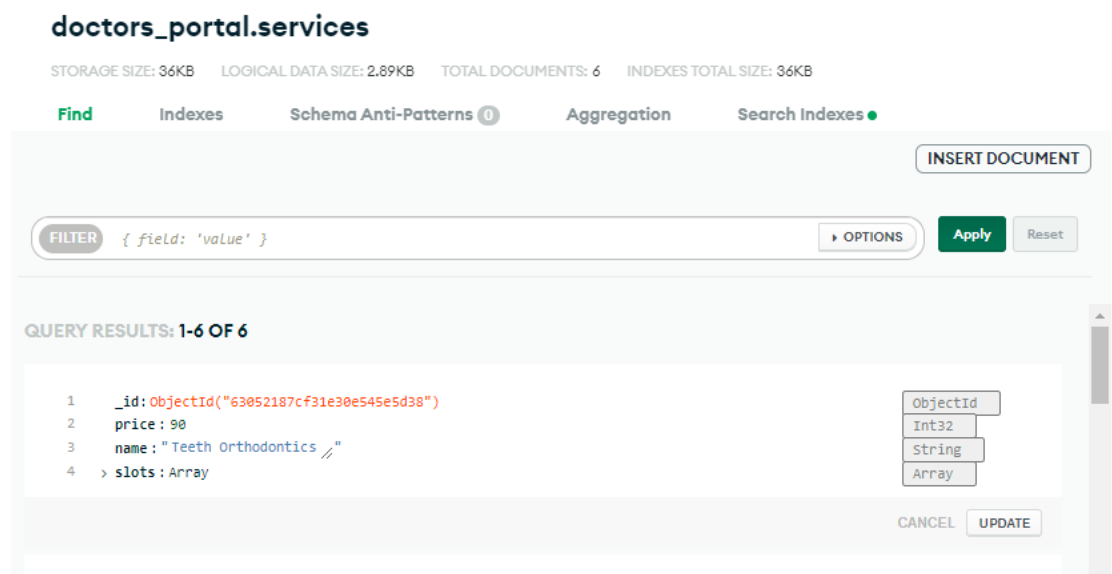


Figure 6.4.3: Service Table Image

Doctor Table Image: Figure 6.4.4 demonstrates the system's Doctor table image. The table contains Doctor related to their information. Such as doctor name, email, id, specialty etc.

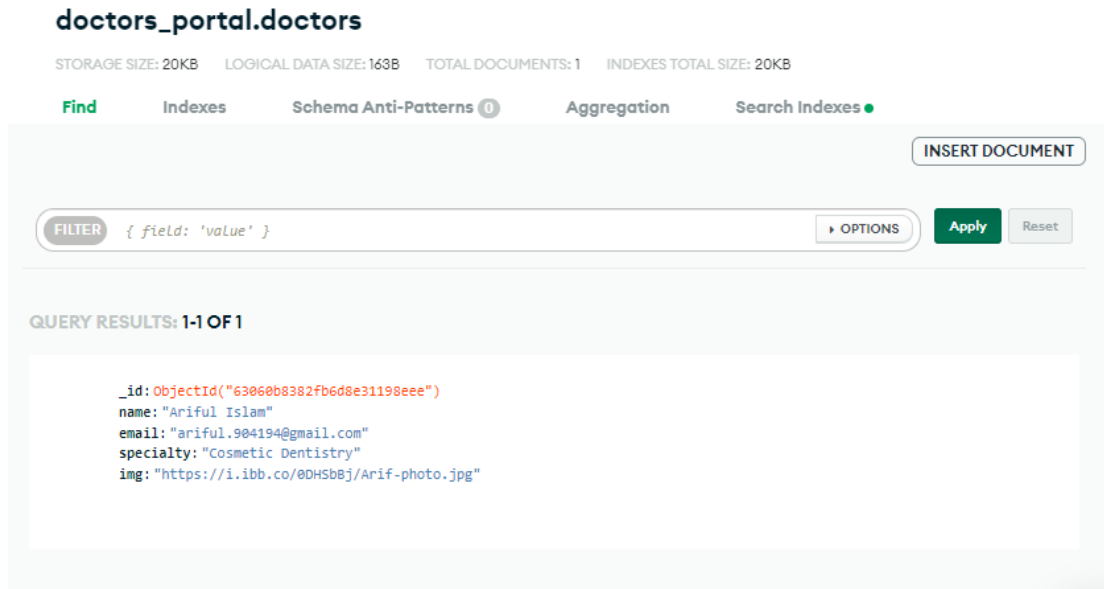


Figure 6.4.4: Doctor Table Image

Payment Table Image: Figure 6.4.5 demonstrates the system's Payment table image. The table contains payment related to their information.

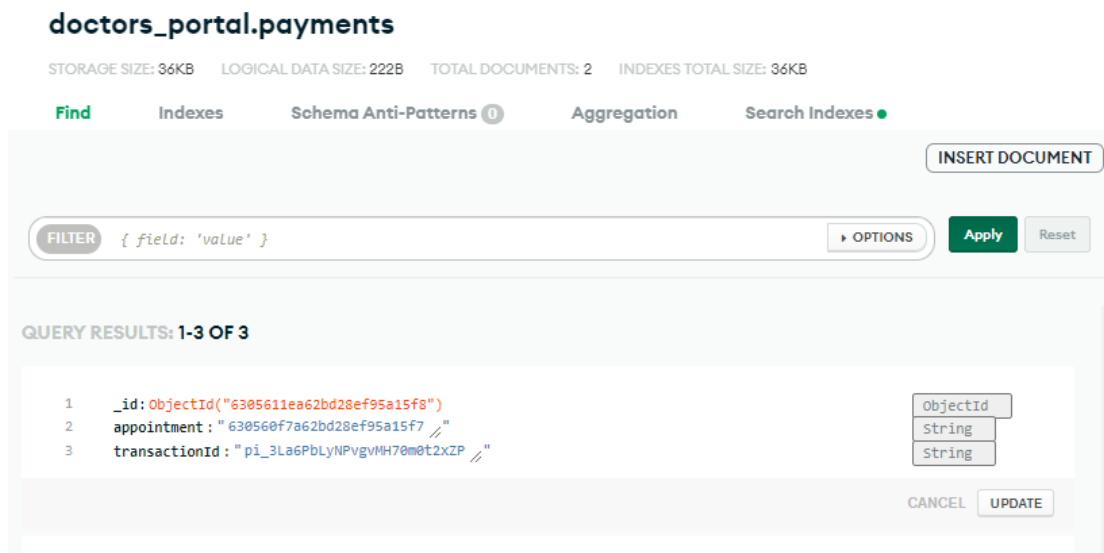


Figure 6.4.5: Payment Table Image

Review Table Image: Figure 6.4.6 demonstrates the system's Review table image. The table store all review.

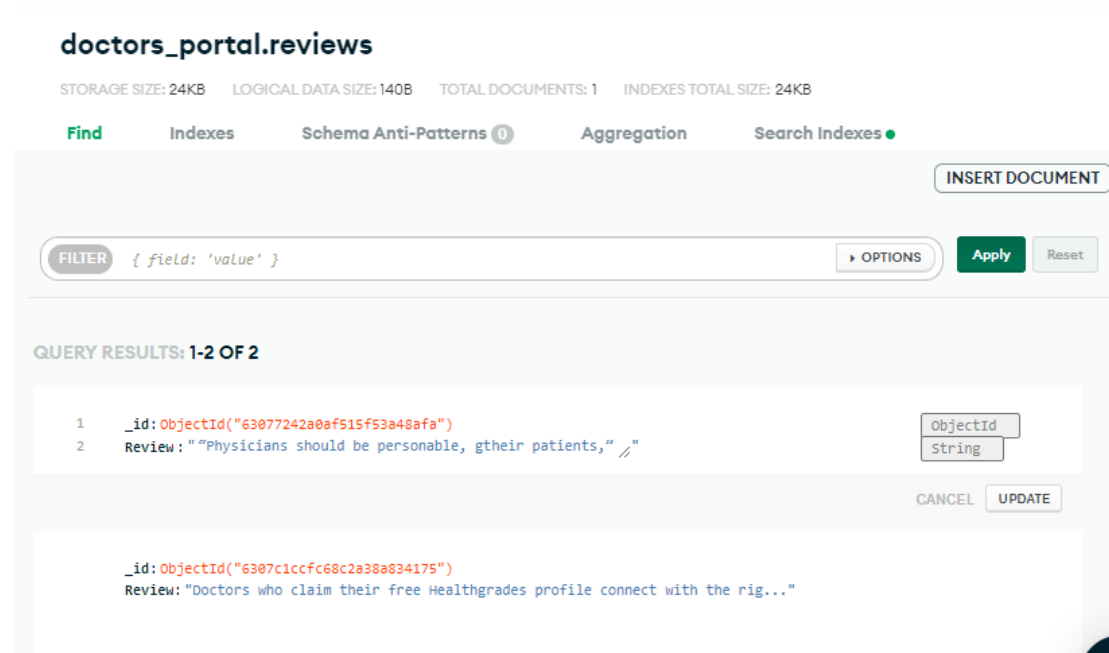


Figure 6.4.6: Review Table Image

6.5 Test Results and Reports

It is possible to quickly estimate test results since test reports must explicitly represent test results. It is a document that explains ambient or working conditions, organizes information from an assessment experiment, and shows how test results are compared to objectives. Usability testing is the next attribute of the visitors [6]. So that at the conclusion, I can demonstrate the benefits of usability testing to the user or learner:

- Time Spent Waiting for Patients
- Any user might easily utilize it.
- Users are more likely to accept it.
- Better UI, more information, and affordable service.

CHAPTER 7

CONCLUSION AND FUTURE SCOPE

7.1 Discussion and Conclusion

The main goal of the computerized Online Doctor Appointment System is to give hospital management the ability to operate in a practical, equitable, and timely manner. In order for the system to stay useful to the hospital, the IT being employed should serve its primary goal. The IT department still has a lot to do to make the technology offered useable. The hospital personnel may need to get training on how to input accurate and pertinent data into the system, and management may need to regularly update the system's hardware and software needs [5]. As new IT facilities and software are released into the modern IT market, IT and computer systems must continue to be upgraded. The researcher concedes that not every patient, doctor, and hospital can be handled by this method. As a result, the researcher advises that the following be the subject of more investigation. the method for managing hospital patient management system processes that is the most economical [8].

7.2 Scope for Future Developments

The system was created with potential for future evolution in mind. The following facilities should be included in the suggested system to provide better service to the healthcare industry.

- Getting all the information about the doctors and our service in more details through web service or client Email.
- In case of any change in booking time or day, client will be informed through email or SMS.
- Live chat facility with us if needed.

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DOCTOR APPOINTMENT BOOKING SYSTEM

ORIGINALITY REPORT

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