An Undergraduate Internship on Website Development as Intern Developer at INFOTECH SOLUTIONS BD

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September 4, 2021

Dissertation submitted in partial fulfillment for the degree of Bachelor of Science in Computer Science

Department of Computer Science & Engineering

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Attestation

I hereby attest that this is an original work done by me in the last three months Internship period. I am conscious of the University's policy and understand the nature of plagiarism. I declare that the above statement is true and accurate to the best of my knowledge.

Signature Date 27/08/2021

Afroza Akter

Acknowledgement

I would start by conveying my sincere gratitude to Mr Mohammod Pasha sir, CEO, INFOTECH SOLUTIONS BD, for his support during my internship. With a pandemic going on and then a lockdown, it would have been quite impossible for me to complete my internship if not for him. Without his valuable input, this report and my internship could not have been successful.

I would also like to thank my honourable faculty and supervisor, Ms Moumita Asad ma'am, Lecturer, Department of Computer Science and Engineering, Independent University, Bangladesh, for her constant guidance throughout this period.

I also want to thank INFOTECH SOLUTIONS BD. They give me a great opportunity to work on a real-time project. They teach me how to deal with corporate problems, manage customers and work on a wonderful project. I also want to thank my internship colleagues to help and support me in the harsh moments.

I would also like to thank Independent University, Bangladesh (IUB) for arranging and giving us a chance to participate in such an excellent and beautiful internship program. Above all, to the Greatest Almighty ALLAH, the author of knowledge and wisdom.

Letter of Transmittal

September 4, 2021
Moumita Asad
Lecturer
Department of Computer Science and Engineering
Independent University, Bangladesh.

Subject: Internship Report submission Summer, 2021.

Dear Sir,
It is of immense pleasure and honor to submit my Internship report on ‘A Telemedicine software’ under your guidance. In this report, I present my project work, analysis, and my achievements.

I have completed my Internship from INFOTECH SOLUTIONS BD as a Software Intern which was conducted from June 01, 2021, to date. In my internship period, I have gathered knowledge in various aspects and real-life working experience. In this report, I include all the project works, experiences, and knowledge that I have achieved during this internship.

I would like to thank you for your constant support, guidance, and kindness. I have tried to complete this with the utmost honesty and sincerity. I hope and pray that this report fulfills all the requirements and is up to your expectations.

Sincerely,
Afroza Akter
1720113

Evaluation Committee

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Abstract

This paper focuses on the web development sector of INFOTECH SOLUTIONS BD. It further includes my contribution to the website of a project entitled Telemedicine.

Telemedicine is a website that would allow patients to consult with their preferred doctor from the comfort of their own home. And it is their new website that I am working on. The report is categorized into nine different chapters. Starting with the introduction, which is the very fast section. This section includes details about the company, its vision, mission and objective.The second part of this report focuses on my internship experience and observation details. The third part is about the outcome and issues analysis.This chapter problems and challenges I faced in the workplace. Finally the last part includes the conclusion and limitations.This internship allowed me to work on a website that will be handed over to a real client. It give me hands on experience in dealing with real world project. Also both academic and practical exposures. This report documents my work in the company as an Intern Developer.

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Chapter 1

Introduction

1.1 Overview/Background of the Work

An internship allows us to explore our career options, grow professionally, and gain new skills. Working in the real world and working on projects in university are two very different things. An internship is a professional learning opportunity that provides hands-on experience in a field connected to our studies and career goals.

As an Intern Web Developer at Infotech Solution, I began my internship career on July 1, 2021. I had to learn how to use new and professional equipment that I had never used before. Due to the lockout, we had to start working from home, thus I had to teach myself the skills needed by the company. As a result, I've discovered during this process that you can learn anything if you put your mind to it.

Telemedicine website is a web based platform, where a patient can connect with a doctor remotely and receive treatments as needed. To put it another way, advanced telecommunications and computer technologies are being used to deliver health care. Physical examination of a patient is the most effective and comfortable method for both the doctor and the patient. In this moment of crisis, however, it has become a difficult factor for a patient to do so.

1.2 Objectives

I. Provide doctors and patients appropriate caution about telemedicine applications.

II. Inform health plan managers pondering whether clinical telemedicine is feasible.

III. Intern are involved in this system development which will cut down the cost of hiring a developer which will eventually make the system Cost-effective.

IV. The system is user friendly so it will be acceptable to patients and doctors

1.3 Scopes

I. Electronic Health Record (EHR) to create a paperless information system - Because the entire system is Web-based, all data will be saved in a database, reducing the need for paper.

II. Computer-based physician order entry system (CPOE) to monitor management quality - All sort of tests and prescribed medicines will be computerized to make things organized and manageable.

III. Hospital Information System (HIS) - The hospital information system will all be stored in the database for easy access to any information required by the authority, doctor or patients.

IV. Automated pharmacy to ensure proper distribution - It will be impossible to falsify the prescription because it will be a softcopy that will be used to purchase medications.

Chapter 2

Literature Review

2.1 Relationship with Undergraduate Studies

- **CSE213 Object-Oriented Programming** - This course taught me about classes and objects. It is used to break down a software program into classes, reusable classes that are used to

generate specific instances of things. Because I'll be dealing with classes, this will be advantageous to my telemedicine system which I will be developing in my internship course.

- **CSE303 Database Management System -** This course focused on databases, including how to design and maintain them. The database should be able to hold any sort of data that exists in the real world. It can depict the data transformation process in a logical and visible manner. The database is the most important tool for ensuring data security. The DBMS contains all automatic backup and recovery capabilities. In my project, I can use this knowledge to manage the database system.

- **CSE307 System Analysis and Design -** This is a course in which I learned about Functional and Non-Functional System Requirements. I learned about UML diagrams and how to properly draw them. I also learned about the SDLC, which is crucial when beginning a new project.

- **CSE309 Web Applications and the Internet -** This training has taught me a lot about websites. HTML, CSS, Bootstrap, PHP. This will be really useful to me because I will be developing a website that will use the PHP programming language and framework codeigniter.

2.2 Related works

As a result of the epidemic, the entire world is in the same condition. Many organizations and businesses are considering creating telemedicine websites. Many companies, such as 'Pulse' and 'Praava,' have already entered the market in Bangladesh. Our marketing strategy and user friendly system with easy access to doctors and easy payment system along with services makes us different from them.

Chapter 3

Project Management & Financing

3.1 Work Breakdown Structure

Breaking work down into smaller tasks is a common productivity advice for making it more manageable and approachable. The instrument that applies this technique for projects is the Work Breakdown Structure (WBS), which is one of the most important project management papers. It automatically synchronizes scope, cost, and schedule baselines, ensuring that project plans are in sync.

A work breakdown structure cannot be developed in isolation. Rarely can one person know everything required to complete a project, least of all a project manager, who may not be a subject matter expert. Creating the WBS is a team effort. Similarly our Telemedicine Project has a Work Breakdown Structure (WBS) which our team will be following developing the project.

Figure - **Work Breakdown Structure (WBS) of Telemedicine Website**

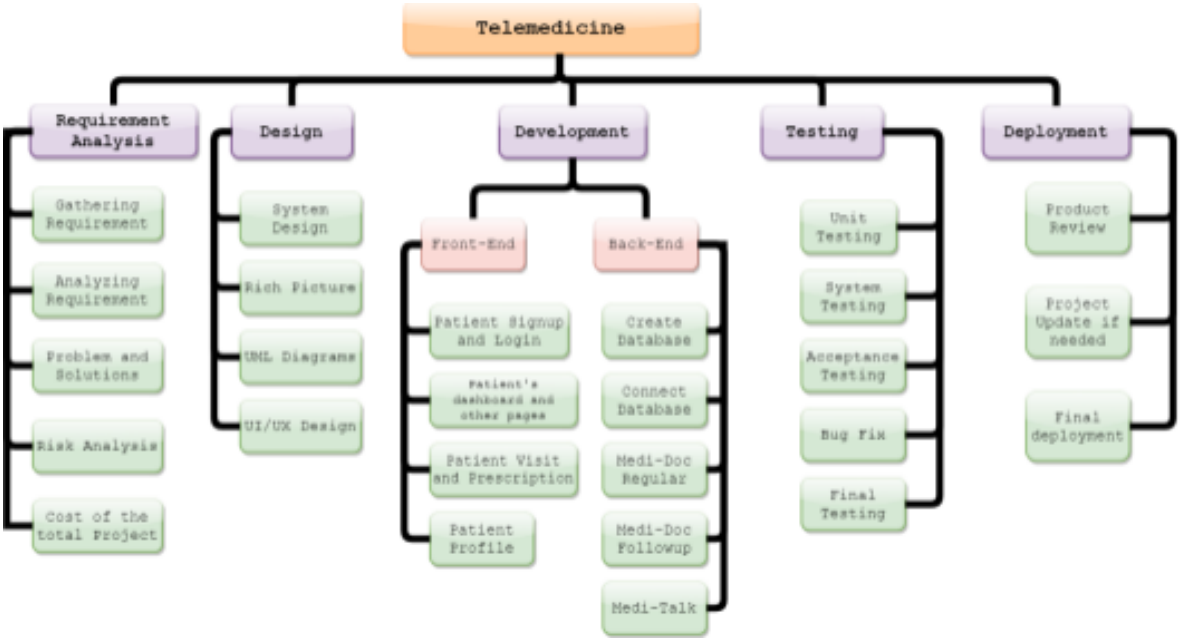

Figure - **Work Breakdown Structure (WBS) of Telemedicine Website**

The Telemedicine Website of Work Breakdown Structure (WBS) is divided into five major sections, under which there are some sub-parts as shown in above Figure 1.The five major parts are Requirement Analysis, Design, Development (Front and Back-End), Testing and Deployment.The Requirement Analysis is none other than the collection of necessary information and data which may be both technical and operational and based upon a set of management techniques. It is input collected from all stakeholders and is of utmost importance, as it will help outline the scope of the project and every form of deliverables down to the lowest level of work packages. Every detail that is not outlined in the Work Breakdown Structure ultimately is outside the scope of the project. Requirements gathering for a WBS hence takes center stage at the onset of the project and it is a major part of the planning phase.The Requirement Analysis is started by gathering the requirements to build the system, followed by analyzing those gathered requirements then identifying the problem and finding out the solutions .After that analyse Risks that may occur in the process and lastly, presenting a cost estimate to build the website.

After finishing the Requirement analysis, then the Design phase comes.In telemedicine website we need to made various designs including system design, a rich picture of how the system works, Unified Modeling Language (UML) Diagrams and ending the design phase with user experience and user interface (UI/UX) design.

In the Development phase there are two parts one is Front-End and another is Back-End. The Front End is what the user sees on screen and Back-End is mainly the database part. In Front-End there consists of patient Signup and Login, dashboard and other pages,patient visit and prescription,patient profile. The Backend consists of creating and integrating the database,
creating queries to insert and retrive data where needed to perform specific tasks. The system needs to be flawless and smooth and for that the Testing phase consists of several testing . Therefore the system has to go under unit testing, system testing, acceptance testing, fix the bugs(if any) and lastly giving an overall final test.

The last phase is the Deployment, in this phase the system is reviewed, checked if any updates are needed and wrapping it with final deployment .

3.2 Process/Activity wise Time Distribution

Requirement Analysis 10
Design 7
Development 35
Testing 5
Deployment 3
Total 60

3.3 Gantt Chart

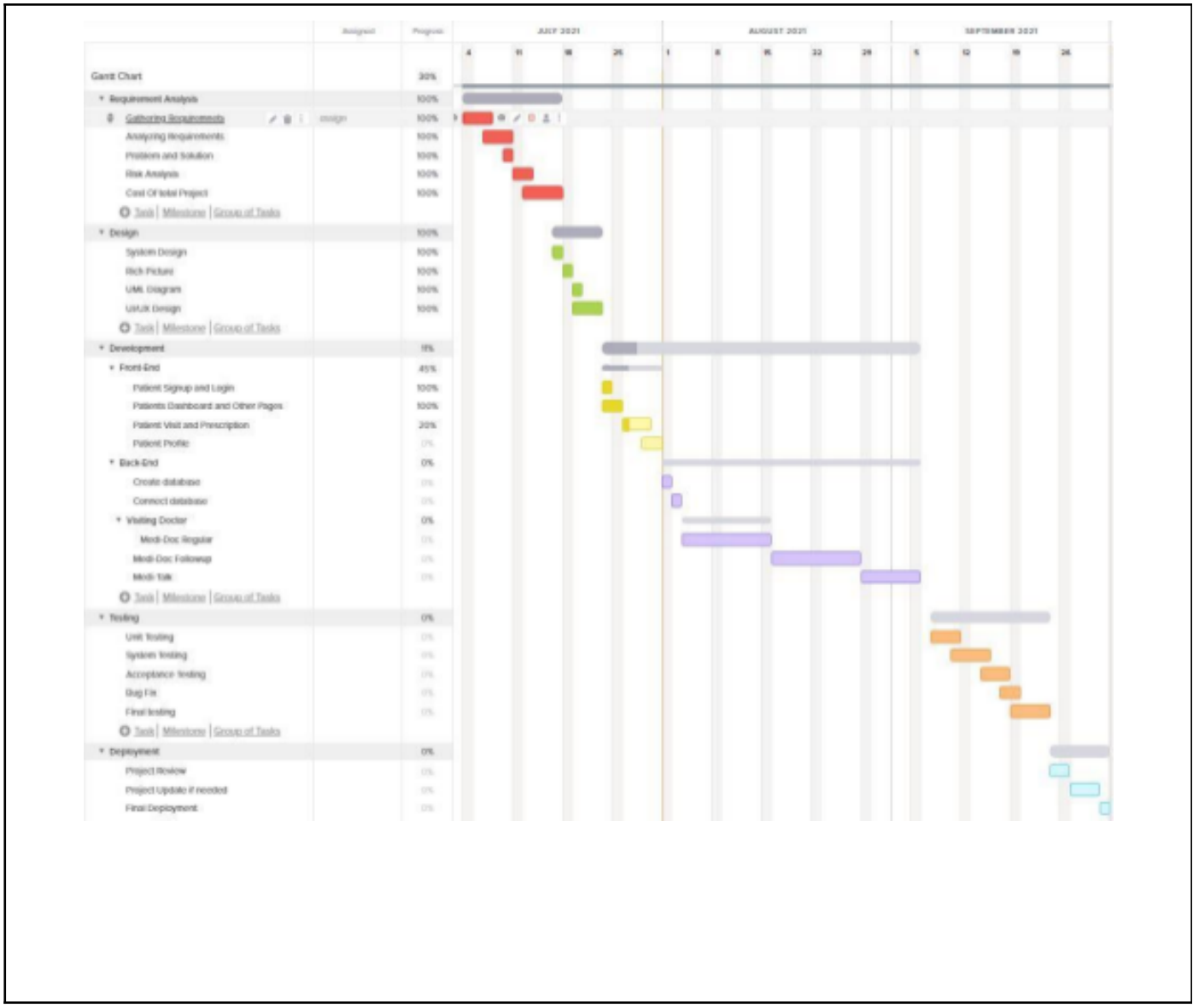

Figure 2 - Gantt Chart for Telemedicine Website

The first 2 week working days, starting from (4th July - 18th July) begins

Requirement Analysis step with gathering requirements to design

the system, then analyzing those requirements, and finally finding the

problem and solutions. After that, analysis the risks that may arise during the process before producing a cost estimate for the website's development.

After that begins Design phase which took around a week (16th July - 24th July)

which consists of System design, Rich Picture, UML, and UI/UX design and that is completed throughout the design phase. The Development phase will take about 30 working days, both Front and Back-End. Starting from (1st August - 9 September) consisting of patient Signup and Login, Dashboard and other pages, Patient Visit and Prescription, and finally the patient Profile make up the Front-End. The backend entails setting up and integrating the database, as well as writing queries to input and retrieve data. Testing phase starts from (10th September - 22 September) which is 10 working days to complete the testing.The system must go through unit testing, system

testing, acceptability testing, bug fixes (if applicable), and finally a final test. And in the Deployment phase the system is examined, and any necessary upgrades are checked before final release which will take 5 working days (24th September - 29th September).

3.4 Process/Activity wise Resource Allocation Web Portal

Development Team & Salary

1	**Project Head (Senior full Stack Developer) 1 25,000/-**
2	**UI UX Designer 1 17,000/-**

1. **Sr System Analyst 1 20,000/- Business Analyst 1 20,000/-**
2. **Marketing Team 3 35,000/-**
3. **Trainee Full Stack Developer 5 25,000/-**

Project Valuation

Hosting	**Digital Ocean**	**128 GB SSD , 4GB RAM , 3 CORE CPU 1 25,000/Year**
Domain	**Whois.com**	**Name.com 1 850/-**

3.5 Estimated Costing

1	UI/UX Development 15,000/-
2	System Analyst 20,000/-
3	Development team 1,50,000/-
4	Business Analyst 20,000
5	Marketing Team 1,05,000/-
6	Domain and Hosting 25,850/-
	TOTAL 3,45,850/-

Marketing Budget/Month Plan

1	Digital Marketing 25,000/-

2	Offline Marketing 15,000/-
3	Doctor & Agent Accusation 15,000/-

Total Fixed Cost of Web Portal : **BDT 3,45,850/-**

Marketing budget/ Month : **BDT 55,000/-**

Chapter 4

Methodology

The goal of this collection is to give readers a quick overview of the various challenges that researchers confront when planning and performing research and evaluation in this discipline. They are meant to address a wide range of topics, from new researcher resources to creative ways for advancing high-quality research. There are numerous approaches available, but our organization has chosen to use one. There are various approaches to choose from, however for this telemedicine project, our organization has chosen the agile process.The Agile methodology is a way to manage a project by breaking it up into several phases. It involves constant collaboration with stakeholders and continuous improvement at every stage. Once the work begins, teams cycle through a process of planning, executing, and evaluating. Continuous collaboration is vital, both with team members and project stakeholders.

Chapter 5

Body of the Project

5.1 Work Description

Telemedicine is a system in which the patient will be able to conduct with a Doctor online.In this website, the patient is the key person and without patients the website is valueless. Firstly the Patient logins with his/her credentials, then searches for a Doctor based on the country. After

finding the desired doctor, the patient selects the Doctor for appointment. The calling Agent will call the Patient to confirm the appointment. After confirmation, this appointment request is forwarded to the respective Doctor, the patient can see the pending appointment in his/her dashboard. Upon selecting the appointment from the dashboard, Doctor and Patient join a meeting link, which will be given in the appointment section by the Agent after confirmation by the Patient. Admin can approve sign ups of features along with transactions.

In this website there are various kinds of patients,some need just suggestions,we call that MediTalk and others may need prescribed medicine for their illness,we call that MediDoc. To contact a doctor at first the patient has to find a doctor. For finding a doctor the patient has to select the Find A Doctor option. After selecting Find A Doctor Option the patient will see a form where they need to select Country, Gender and select the specialty for which doctor they want to consult.After Searching the desired doctor the patient will see the doctor name, doctor speciality and the doctor fee. Then the patient needs to select the contact doctor option. After selecting the contact doctor option they will see Choose Appointment Type. In Choose Appointment Type there are three types of Appointment option,(MediDoc Regular,MedidocFollowup,and Meditalk) the patient needs to select which types of Appointment they want.

MediDocRegular: For new Appointment, the patient has to select the MediDocRegular option. After selecting MediDocRegular, the patient will see a confirmation message.

MediDocFollowup: For Appointment with report , the patient has to select MediDocRegular option.If the patient has not MediDocRegular Appointment he/she cannot avail to send MediDocFollowup Appointment request.

MediTalk: To take medical advice the patient has to select the MediTalk option. If the selected doctor is not
available in MediTalkshe/he can see a confirmation message that the selected doctor is not in MediTalk service.

5.2 System Analysis

5.2.1 Six Element Analysis

Process	System Role		
	Human	Non-Com puting Computing Hardware Software Database Hardware	Network and Communication

Send Appoint ment Request	Patient	**N/A** Computing MySQL Web	Browser Device Internet

Approve Appoint ment Request	Admin	**N/A** Computing MySQL Web Browser Device	Internet
Find Doctors(to whom they want to consult)	Patient	**N/A** Computing MySQL Web Browser Device	Internet
Contact doctor(a fter finding desired doctor)	Patient	**N/A** Computing MySQL Web Browser Device	Internet
Choose Appoint ment Type(bet ween 3 given types)	Patient	**N/A** Computing MySQL Web Browser Device	Internet
View Reports and prescrip tions	Patient Doctor	**N/A** Computing MySQL Web Browser Device	Internet

5.2.2 Feasibility Analysis

To build and implement our project successfully we need to do a feasibility analysis. It will tell us the benefits of our project. It will also tell us some essential factors that we all need to consider before we start our project.

- **Technical Assessment:** This whole project will be built in the full stack. To store its data, we will use the MySql database. And we will store our data in the MySql database.MySqL is the most popular Open Source SQL database management system, developed,distributed, and supported by Oracle Corporation.Our project is web based, we
  decided to use MySql. For the server end, we will be using Codeigniter, which is a

powerful PHP framework with a very small footprint, built for developers who need a simple and elegant toolkit to create full-featured web applications.For the Front End, we will be using Bootstrap, javascript, jquery as these are used in web development.

- **Operational Feasibility:** This software is easy to use. Patients can easily understand what's going on there and how to do everything. To operate this, the company doesn't need an expert. Anybody can use this software. Maintenance is not an issue for this software. But management should choose a good hosting site to deploy the project. A good hosting site can provide best performance. The management must give real time service without any delay to ensure best results for the system.
- **Economic Feasibility:** To build this project, the company has to spend 3,35,850 BDT total on Web portal, which includes Project Head (Senior full Stack Developer), UI UX Designer, Sr System Analyst, Business Analyst, Marketing Team, Trainee Full Stack Developer, Hosting and Domain.They will have around 55,000 BDT for marketing the telemedicine Platform which includes Digital Marketing, Offline Marketing, Doctor & Agent Accusation. With this software, the company can easily give service to patients and doctors. In this pandemic, this platform will reduce being affected by COVID19.

5.2.3 Problem Solution Analysis

To build this project, we face some problems. We also try to solve this problem as soon as possible. Some problems were,

- **Messy code :**A lot of coding is involved in the building of a website, especially as you add more functions and features to your site. If your code is unorganized and messy, it can result in a variety of issues. Not only can it affect how your website is supposed to function, but it can affect the ability of search engines to properly index your site's content, thereby hurting your search rankings.
- **Github Branch Misunderstanding:** Not everybody has enough knowledge about Github. Some developers in my team are not familiar with git branching. There was some time when a person created a branch and committed to it. And other people create a new branch from other branches instead of the main branch. This was problematic. But we manage it later.

5.2.4 Effect and Constraints Analysis

We build this system to make life easier for both parties, patients and doctors. This is a web based system so in present demand needs and services the company can get up-to-date information.Without internet service people can not use this system. The

company can easily analyze data and launch new services or stop old, fewer demand services. However, this system also has some limitations.Sometimes data can be corrupt. So people who use this software should be aware of the data they input. In the future, we will work on updating this software with new features.

5.3. SYSTEM DESIGN

5.3.1 Rich Picture

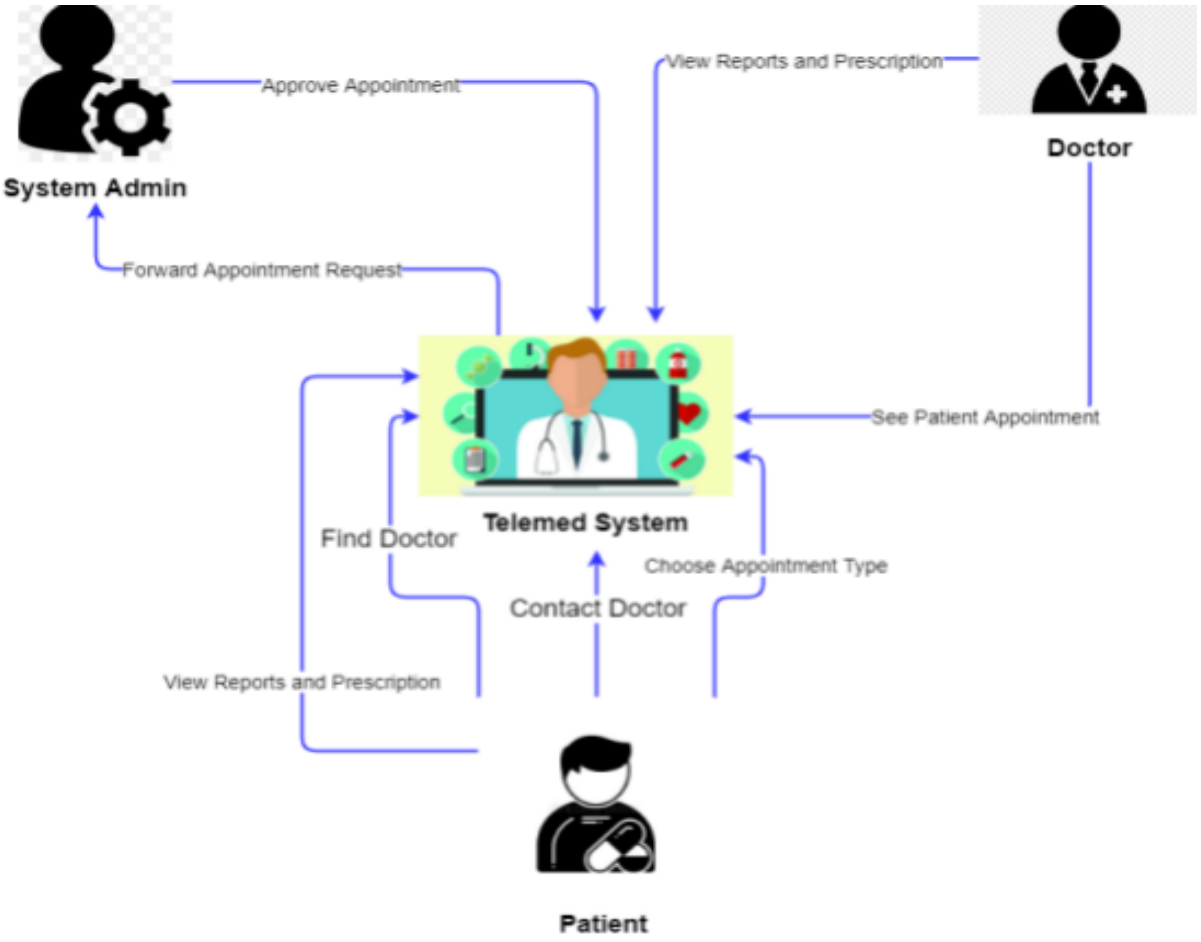

Figure 5.1: Rich Picture

5.3.2 UML Diagrams

Use Case Diagram

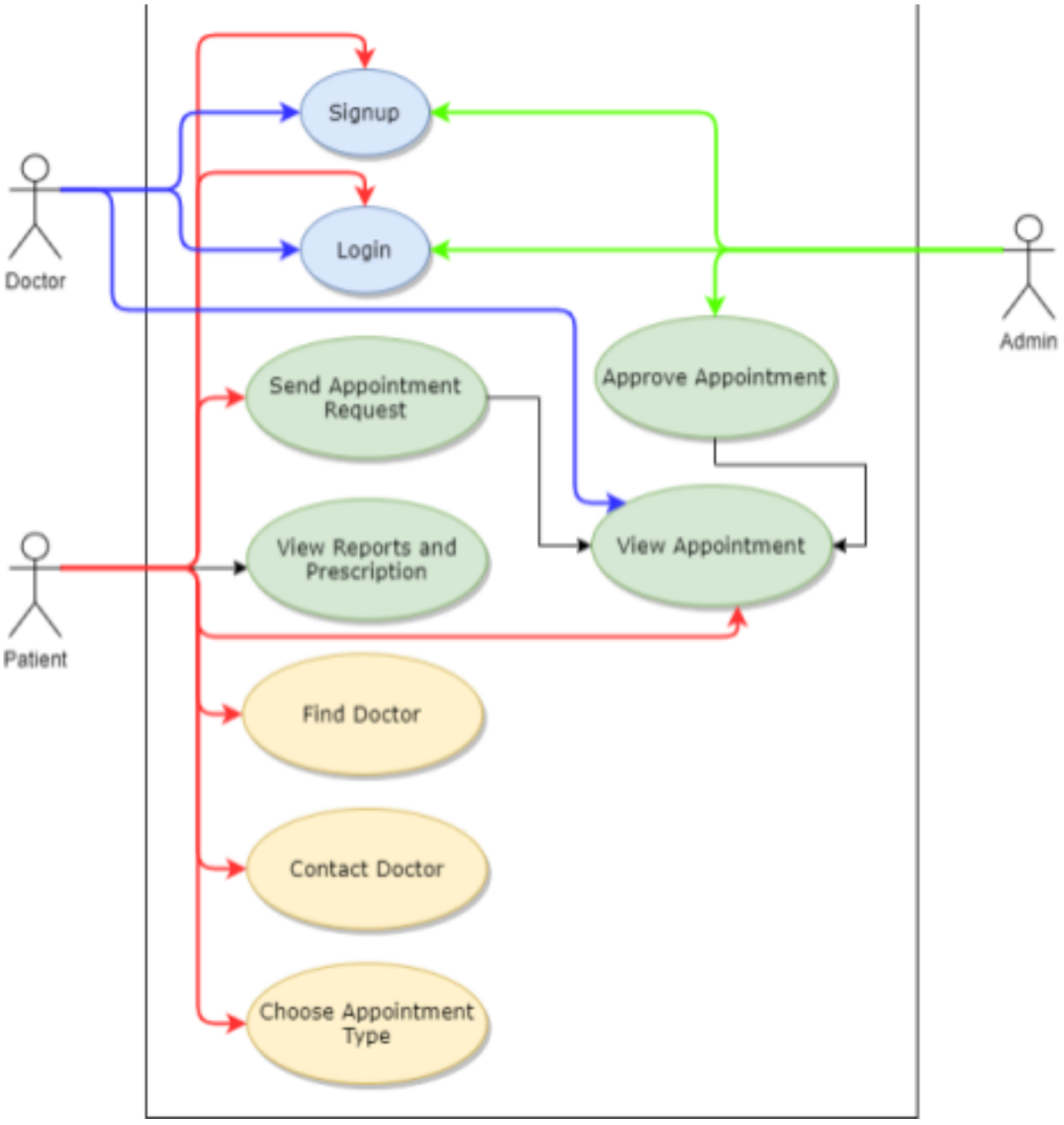

Figure 5.2: Use Case Diagram

Activity diagram

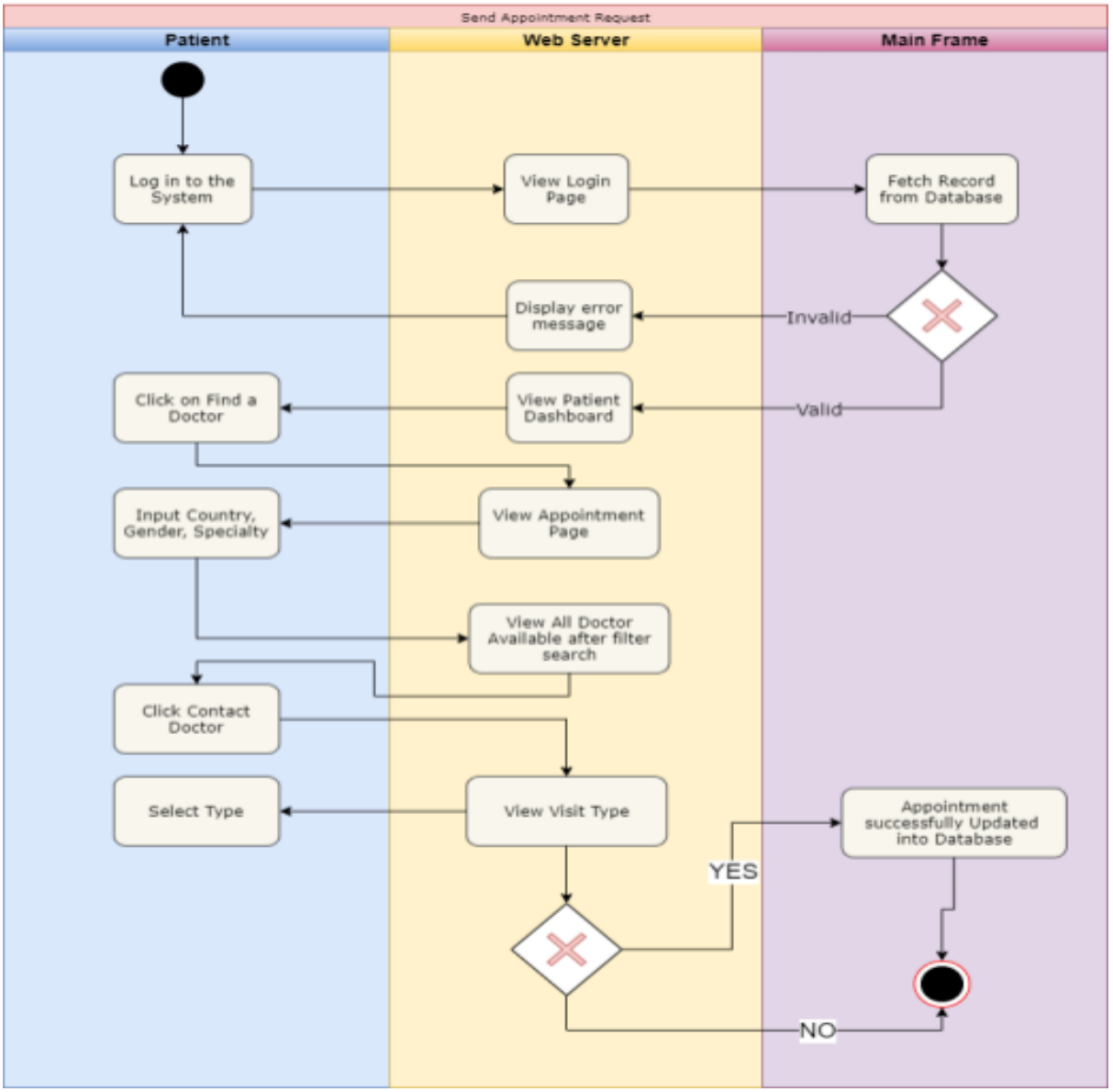

Figure 5.3: Activity Diagram

5.*3.3 Functional and Non-Functional Requirement*

Functional Requirement

● The system should only accept unique phone and email numbers from new patients.

- Allow the patient to cancel appointments.
- Store all appointments records for future research and analysis.
- Display previous visiting prescriptions as the patient search queries.
- Display all services available for a Patient.
- Generate a unique id for every patient

- Check new patients' phone numbers are unique or not
- Prioritize patients searching for a particular specialized doctor

.

- Keep track of all the transactions taking place.
- Allow displaying profiles of all patients.
- Allow the updating of profiles of all profiles.

Non Functional Requirement

- Every transaction will be stored in the database to avoid loss of data.

- This system will be secure for patients.
- Necessary system updates will come from time to time after fixing bugs if required.
- A device having a web browser and an internet connection can use the system.
- This system's user interface is clear and straightforward.
- Users can quickly become accustomed to this software.
- This software is user friendly to use for patients.
- Patient data will safely backup if any inconvenience.
- Users can use this software in a few countries.
- Visiting record/Appointment will be stored in the database for future use.
- All transactions will be calculated by the system to avoid hassle.

5.4 Product Features

5.4.1 Input

<table>
<tr><td colspan="3">Name of the Function : Signup Patient</td></tr>
<tr><td>Input:
Phone No, First Name, Last Name,Nation, Gender, Password</td><td>Process:
1. The Patient must enter the following details in order to sign up as a patient.
2. Email with a verification link will be sent to the patient email address.</td><td>Output:
Email notification</td></tr>
<tr><td colspan="3">Precondition:
Patient should have a valid Whatsapp phone number.</td></tr>
<tr><td colspan="3">Post condition:
Patients' information will be saved in the database automatically.</td></tr>
</table>

Alternate Options: If the patient provides an invalid whatsapp number, he/she won't be able to login to the system.
Side Effect: N/A

5.4.2 Output

Name of the Function : Request Appointment Patient		
Input: Enter date	**Process:** The Patient searches doctor then chooses the doctor and selects the type of visit and proceed to date of appointment	**Output:** Appointment Confirmation email
Precondition: Doctors should have a minimum of 1 (one) appointment to see a list.		

Post condition: ● N/A.
Alternate Options: ● If the Doctor has no appointment, no results will be shown.
Side Effect: ● N/A

5.4.3 Architecture

This project's architecture is a three-tiered architecture. Three-tier architecture is a well-known software application architecture that divides applications into three logical and physical computing tiers: the presentation tier, which is the user interface, the application tier, which processes data, and the data tier, which stores and manages the application's data.

Chapter 6

Results & Analysis

Following Test Cases have been performed on the patient Side. To run these cases, internet connection must be available at the time of testing.

Table 1 - Test cases of Patient Side

Testing ID	Test Case	Input Test Data	Steps to be executed	Executed Results	Actual Result	Pass/ fail
T1	Patient Sign up	First Name, Last Name, Patients Nation,Date of Birth, Gender, Password ,Mobile No,Email(if any)	1.Click Sign Up Link 2.Click Patient's Account Button	**1.**Verification email will be sent **2.** Patient's account will be created	**1.**Verification email is sent **2.Patient's** account is created	Pass
T2	Patient Sign In	Country Code, Phone number, Password	1.Click Sign In Button	Patient's will be able to sign in to the account	Patient is Signed in	pass
T3	Change Profile Photo	Image less than 1024 mb and JPG,JPEG or PNG format	**1.** Click My profile **2.** Click Choose file **3.** Select Image **4.** Click Open	Patient will be able to change profile photo	Patient's Profile photo is changed	Pass
T4	Find Doctor	Select Country, Select Gender, Select Speciality	Click Search Button	Patient will be able to find desire doctor	Patient is find desire doctor	pass
T5	Contact Doctor	Select MediTalk or Select MediDocRegular or MediDocFollowup(patient need to select appointment type)	1.Click MediTalk 2.Click MediDocRegular 3.Click MediDocFollowup Button	Patient will be able to consult doctor by selecting his/her Appointment type	Patient consulted with a doctor	pass
T6	View report	Select prescription/report	Click view report button	Patient will be able to see report	Patient's report is displayed	pass

Chapter 7

Project as Engineering Problem Analysis

7.1 Sustainability of the Project/Work

Sustainability is the ability to be maintained at a specific rate or level. Sustainability in software development means maintaining and updating software from time to time, making the new feature as per market demand. Maintaining software is very important. Every software has bugs, and some bugs will appear in the future. We are aware of that. Telemedicine has a software development team to maintain their software at any time. They can fix bugs. If some bug is hard to handle by the software development team, then Telemedicine will contact an expert to solve this bug. Telemedicine has some software Development partners to help them any time.

In spite of the fact that there are cases where wellbeing care is successfully driven by the commerce motive, it is by and large considered an open benefit in most countries. The arrangement of telemedicine services fulfills a basic societal request in creating countries to supply wellbeing care to farther and provincial regions. But most imperatively in this widespread, individuals got to be more cautious with respect to wellbeing issues as visiting the clinic incorporates a tall likelihood of getting affected by the Covid-19 virus. Whereas telemedicine has potential inclinations and benefits, there's little confirmation of its cost-effectiveness and long-term supportability. In certain cases, telemedicine does result in taking a toll, but our telemedicine framework creating group has figured out how to recuperate the costs and pick up an advantage from individuals who utilize the system.

Within the case of computer programs and web improvement, the telemedicine framework is built to be long-lasting so that they can serve the clients without any challenges. To guarantee the long-term practicality of our extension, the site has been built to be accessible independent of the user's machine's environment. The location we made isn't subordinate to the user's computer detail, working framework or tall web speed. The system will run on all computers, smartphones utilizing the commonly utilized browsers such as google chrome, Mozilla firefox, Microsoft edge etcetera. The website's long-term practicality will be guaranteed through schedule support of the website and its server. We have used Codeigniter framework which could be a lightweight framework that guarantees versatile and ingenious web applications.Codeigniter is based on the Model-View-controller system, which guarantees awesome security to the users.

7.2 Social and Environmental Effects and Analysis

Clients may essentially visit the site to explore for any doctor's data and plan an arrangement, as appeared by the Telemedicine Framework. This allows individuals to spare time by trying to find a specialist online instead of progressing to various clinics all through the widespread.

Patients can sign up through the telemedicine website and contact the management without coming to our office physically. Which will save patients time and no hassle to go to hospital and look for a doctor. In our system, he/she can easily visit a doctor from anywhere. Moreover, given the recent pandemic situation it is encouraged to remain domestic and have less physical contact with people. Our site moreover makes an extraordinary deal in this cause as both doctor and patients don't have to be present in the clinic physically. The site is outlined and created to guarantee high effectiveness with less utilization of assets. We attempted to optimize our code, media substance as much as possible. The site is advertisement free and as it were MVC system alongside JavaScript is utilized, all these making a difference in in general optimization, coming about in utilizing less control and sparing energy.

7.3 Addressing Ethics and Ethical Issues

The moral issues in telemedicine can be inspected from many points of view like technology, doctor-patient relationship, data mystery and security, patient's consent, patient's and family's fulfillment with telemedicine services. We made beyond any doubt our Telemedicine framework is secured sufficient from hacking or breaching. We have renamed default controllers and utilized our controllers and models to ensure greater security. Our office employees committed IP for web association for the developer team as the framework is entirely private and the specialist does not

empower any leakage of code. So, to preserve more safety code, the creating group had to utilize an office computer the whole period whereas creating the framework. Besides, the team involved to this extent had to sign a non-disclosure agreement (NDA) fair since they can sue an individual on the off chance that any unscrupulous issue occurs.

All the extended related reports, information, understandings, codes are additionally kept private by InfoTech solutions to ensure the security of the company and our users.

Chapter 8

Lesson Learned

8.1 Problems Faced During this Period

The internship encounter in infotech solutions and working on a real-life venture was outstandingly strong in terms of learning and picking up information. I ought to learn from the especially apt creators and designers who have a colossal whole of involvement. Moreover, I learned how they showcase of the framework although this was not my portion. In spite of the wonderful experience there were certain limitations in my period of internship. The major limitation for me was the world-wide widespread circumstance of COVID-19 going on. I had to take the hazard of uncovering myself by going out for the office and working in a closed environment. People with mild fever were on leave but I still had a fear of getting affected as I have worked with them. It was moreover very troublesome keeping up all the safety measures for 8-10 hours of work, like always wearing the cover. It was too challenging to learn so many new languages and frameworks at such a brief time. I didn't get to learn the language and framework as much as I would have enjoyed given the reality that I was on a due date.

8.2 Solution of those Problems

Washing hands regularly with soap and water or clean them with alcohol-based hand sanitizer. Had to maintain at least 1 meter distance between team members and other people. Learn in depth of the new language and frameworks after the internship for better understanding of how the framework works.

Chapter 9

Future Work & Conclusion

9.1 Future Works

As with any troublesome healthcare advancement, it takes time, approval, and the proper catalyst before it gets to be completely grasped over the medical community. With the coronavirus widespread, one advancement is at the forefront of changing the telemedicine healthcare scene. To illustrate the impact telemedicine will make in the future, we have a plan to ask healthcare leaders and telemedicine providers from multiple specialties how they anticipate telemedicine reshaping the future healthcare landscape. But our team has planned a few works that they would like to implement in future.

● Access to specialists 24/7, which will benefit patient wait times - There will be specialty centers where patients can call in and have 24/7 health care services to a network of doctors who are specialists in their strength ranges.

● Add e-commerce functionalities - Patients can purchase drugs prescribed by the doctors immediately after visiting a doctor without going to any pharmacy.

● Develop both android/ios version application - Application will save time of both doctor and patient as they don't need to browse in web browser and looking for options. Easy access to emergency services will save precious time in time of emergency.

9.2 Conclusion

The venture of Telemedicine infotech solution is nearly in its last organize. Our company management is cheerful with the result we fulfilled. We acknowledge there are still scopes for progression which we'll work on gradually. Directly Telemedicine has been initially checked for its nearness inside the internet and we believe the location makes a difference for them to develop further as planned.

My internship experience in infotech solutions was greatly incredible. Working in a company with a capable bunch inside the IT division was a very beneficial encounter for me. I learned and associated present day capacities and methods, which did not result in creating a capable telemedicine framework, but besides made a contrast for me to extend my set of aptitudes. They made a contrast in each step and guided me at whatever point I required. I have in addition learnt how to work beneath strict due dates and work underneath weight. But my bunch individuals played a imperative part to create my work simply with their counsel and proposals and I never felt like an assistant of the company. This internship has in addition made a contrast for me to induce presented inside the site improvement section, and I am verifiably getting to memorize more around other systems in future that would offer assistance me to gotten to be a proficient full stack web developer.

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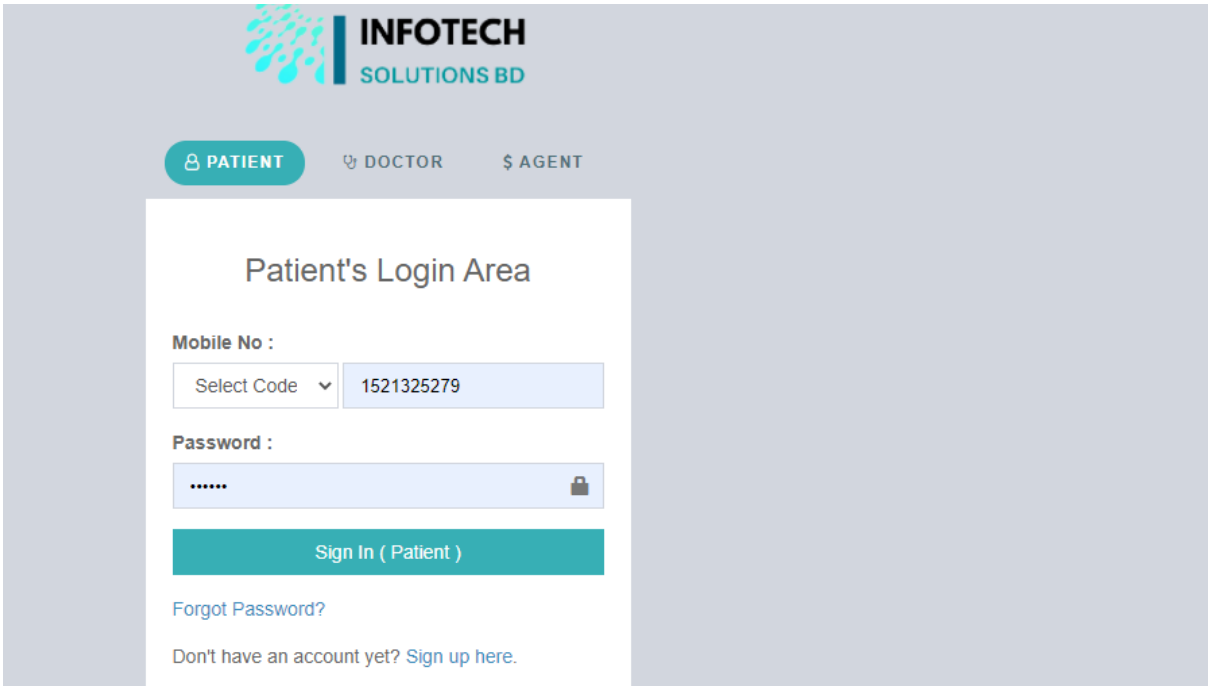

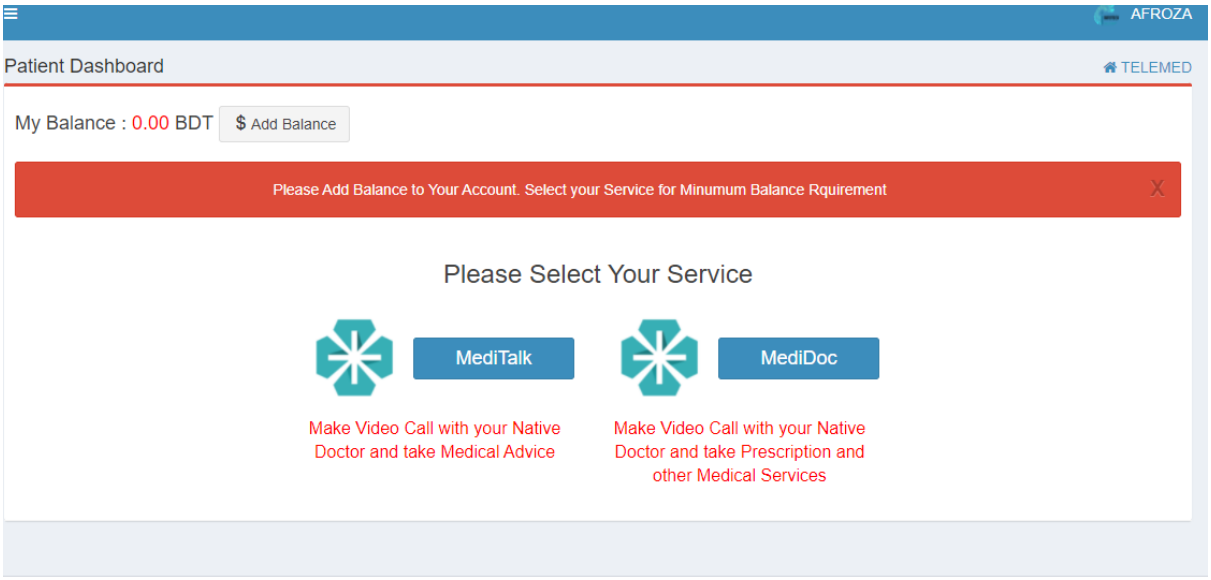

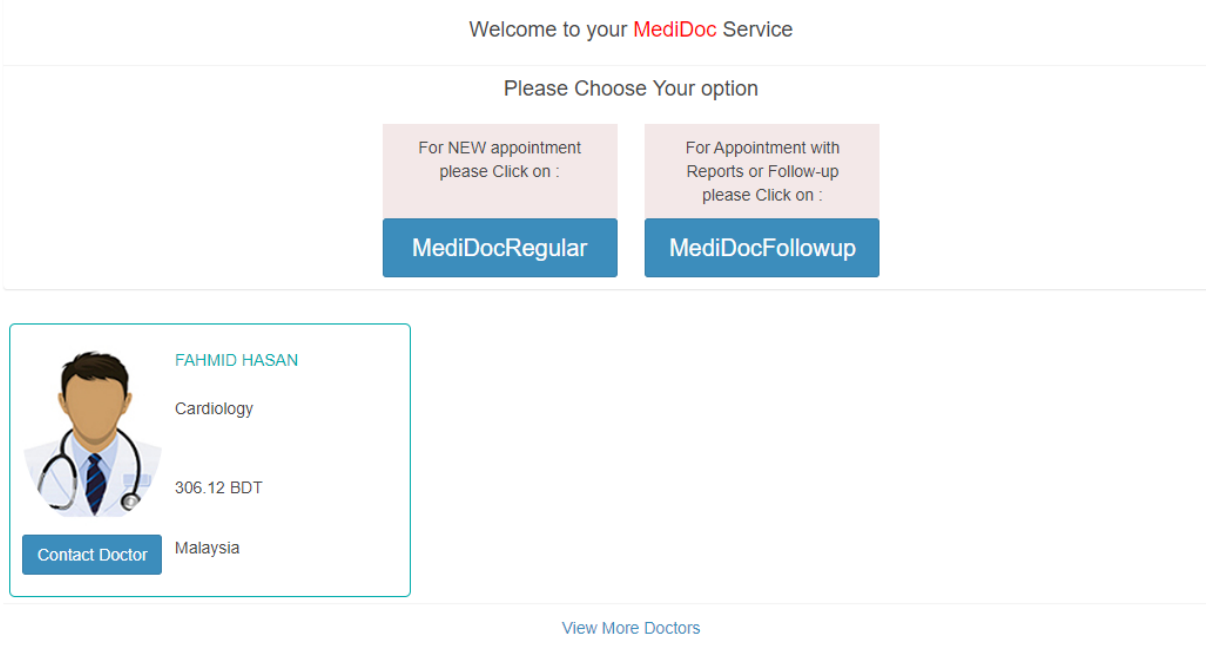

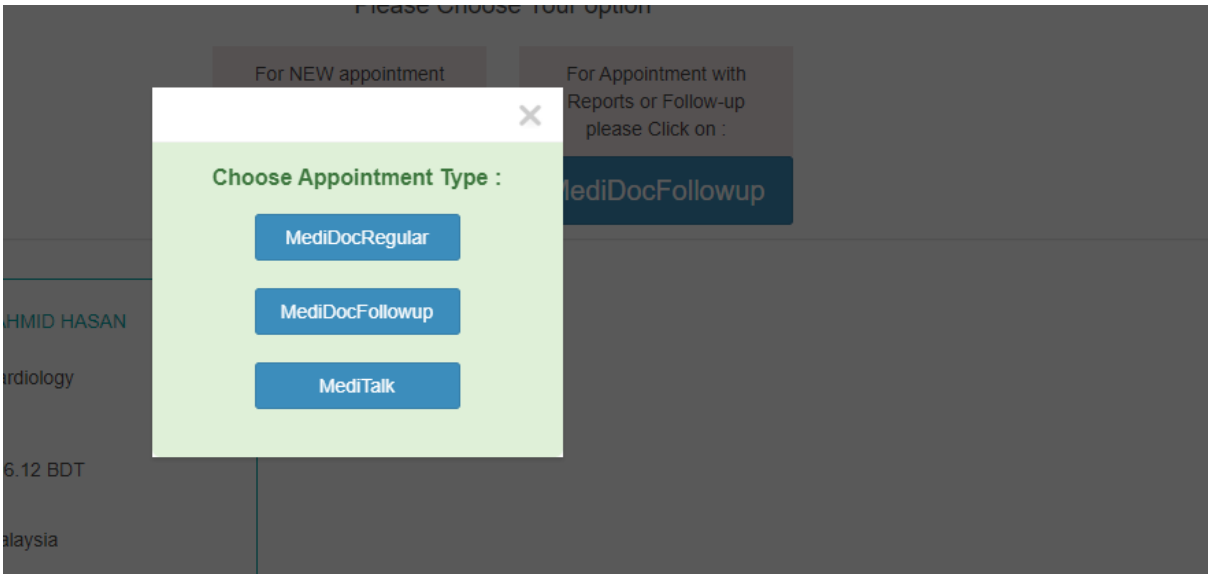
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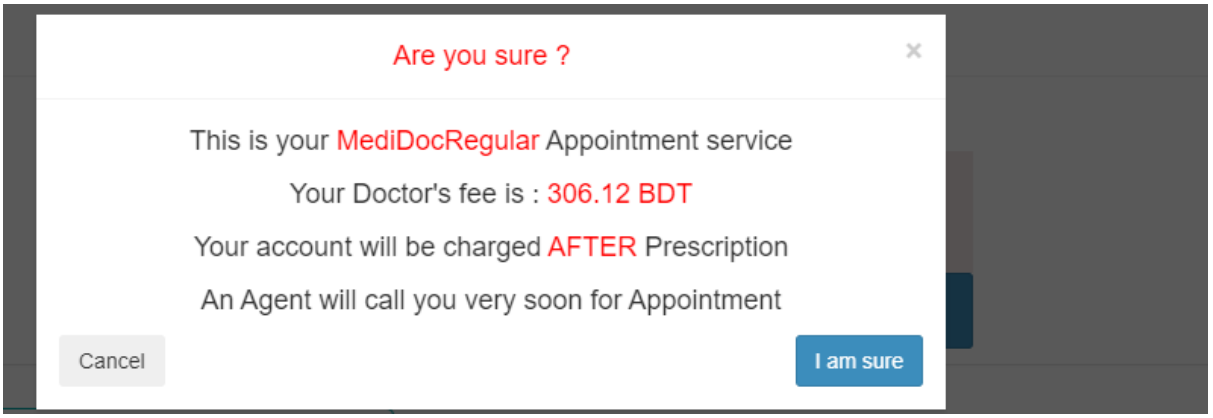
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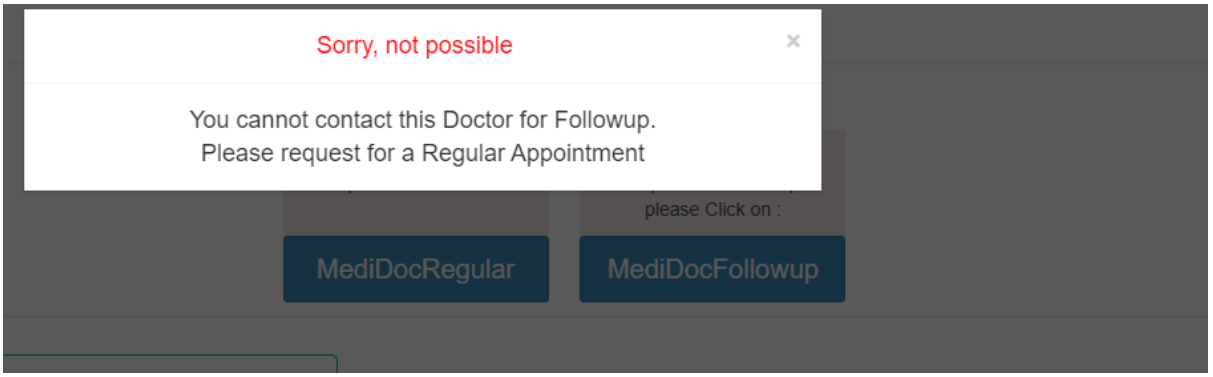
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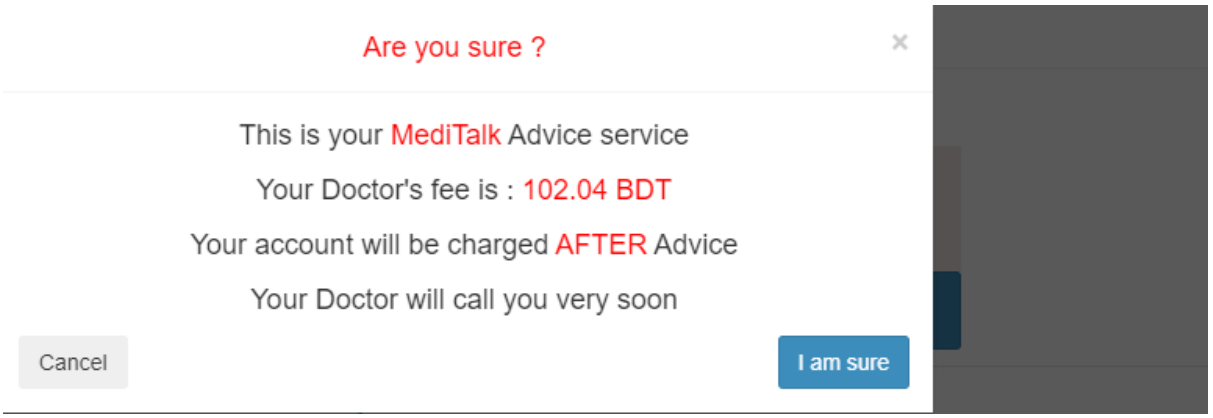
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