

Software Design Description
For
Medicare Clinic System

Prepared by

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SDD Version	Date	Reason for Change
1.0	9-MAY-2020	SDD First version's specifications are defined

GitHub: <https://github.com/Ahmad-Nemo/-S.E-Clinic-System>

1 Introduction

1.1 Overview

This SDD is divided into eight sections in order to provide a complete and understandable description about the system to the target readers. First section is mostly about the scope and purpose of the document. This section also includes the definitions and acronyms and the intended audience. In the second part is the system overview that focus on project scope and a general description of the software system including its functionality and matters related to the overall system and its design is provided. The intended goals, objectives and benefits of the project are stated in this section, too. The third section states the context viewpoint as it defines the relationships, dependencies, and interactions between the system and its environment. The fourth section is for the architectural design of the application and detailed description of modules are elaborated. In this section, it is also provided a sequence diagram for each module and consists of seven different points like the logical view points that defends on its design rationality , the design pattern that also depends on its design rationality , structure viewpoint , Algorithm Viewpoint and interaction interface viewpoints. The organization of the data structures of the system is explained in section five. Subsequently, a data dictionary is provided in order to provide a detailed description of the system major data, including data objects, their attributes and methods and also the database design description with its entities, classes and attributes. Sixth section is all about the user interface design. In this section the functionality and expected features of the user interface is given. In addition, some possible screenshots showing the interface from the user's perspective are provided and purpose of the screen objects is explained. In the seven part of the document it the requirement matrix as Requirement Traceability Matrix is a document that maps and traces user requirement with test cases. It captures all requirements proposed by the client and requirement traceability in a single document, delivered at the conclusion of the Software development life cycle. In section eight will include the references needed for the system to provide supporting for the users.

1.2 Scope

This Software Design Description (SDD) describes the detailed structure of the components of Medicare Clinic system and the precise details of the required implementation to satisfy the requirements as specified in the Software Requirements specifications (SRS). since this document also defines the implementation details of the behaviour given the requirements within it. This document will depend on the knowledge of the general system architecture as it is recommended before commencing this document.

1.3 Purpose

A software design description (SDD) is a representation of a software design to be used for recording design information and communicating that design information to key design stakeholders [7].
In this section identify the purpose of this software design description (SDD) and its intended audience and the purpose of it.

1.4 Intended audience

In contrast to the Software Requirements Specification (that is written for the client and users), most of this Software Design Description is written for knowledgeable software professionals and designers. Thus the Client will not be within the intended audience for this document, which is: team , supervisors and the reviewers including the clients.

1.5 Aim

The SDD in this document serves several purposes like :

- describing the functional structure and the implemented algorithm.
- identifying the requirement system resources.
- using it for the estimating the impact of requirement changes.
- Assist in producing test cases.
- using it to verify compliance of the system requirements.

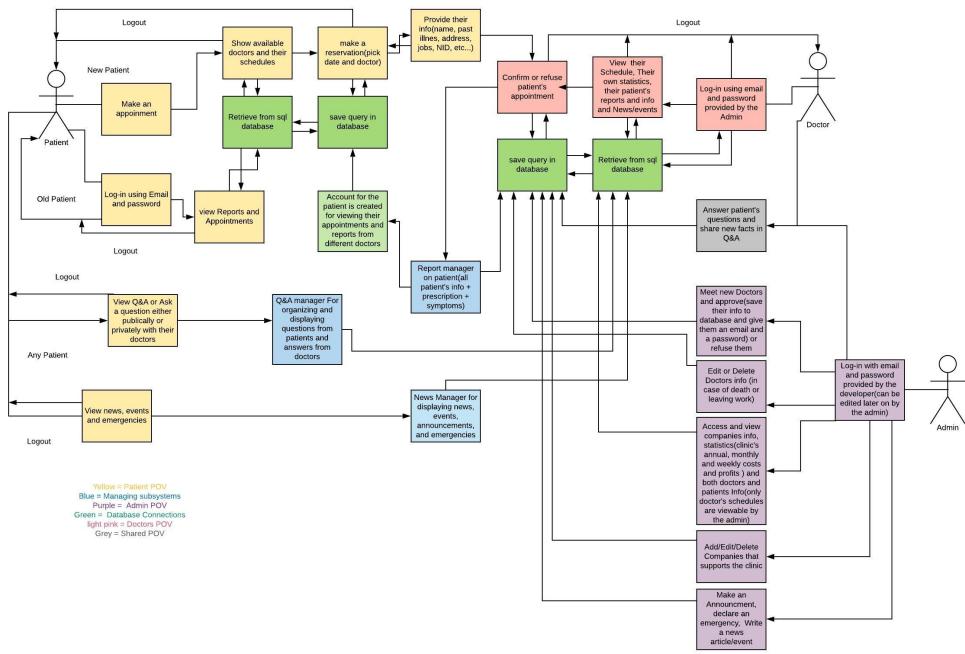
1.6 Definitions and Acronyms

This section is Providing definitions of all terms, acronyms, and abbreviations that exist to explain the SDD. These definitions should be items used in the SDD that that the audience don't know about.

Term	Definition
Software Design Document (SDD)	Used as the primary medium for communicating software design information.
Design Entity	An element of a design that is structurally and functionally distinct from other elements.
COVID-19	Corona Virus Disease.
Software Requirements Specifications (SRS)	The software requirements specification lays out functional and non-functional requirements, and it may include a set of use cases that describe user interactions that the software must provide to the user for perfect interaction.
Q/A	Question and Answers .
Design rationale	Information capturing the reasoning of the designer that led to the system as designed, including design options, trade-offs considered, decisions made, and the justifications of those decisions. .
System Administrator	The person responsible for running the system(owner of the facility).
GUI	Graphical user interface.
UML	Unified Modeling Language.
MVC	Model-View-Controller design pattern.
UI	User Interface..

2 Project Overview

Building a software system for a Clinic that helps the client and users in lots of things .For the client(patient) it provides lots of features like Q/A with any of the doctors ,online reservation , check the results of their medical reports and receiving news and updated from the Medicare and view medical services and activities from the clinic and its sponsors ,for the users(doctors,Admin employees)earlier days all the processes of clinic used to done manually or through paper work which was time-consuming.but with the new system everyone can do their tasks very easily and faster as they wont work with any paperwork anymore, the doctors will have lots of features like viewing and editing his schedule in the clinic , view his daily appointments and managing its fees , viewing the needed files for his patients smoothly and fast as there will be a filing system built for the patients files,reports and x-rays,the admin can manage all the medicare features like make an announcement and share special events for patients and other doctors to see , checking the schedules of the doctors , checking the filing system, manage adding and removing doctors and employees from the system,adding new sponsors and updating the sponsors list, manage the statistics of the medicare and a statistics for each doctor(how many patients made an appointment with each doctor and the calculated salary for everyone of them).



Fig(1): System Overview Diagram

2.1 Project Scope

The software is Medicare Clinic System that helps the clinic employees and the patients by providing them lots of features that can save time and money for both sides, the system main features are online reservation system for the patients and managing online system for the medicare employees(Admin,Doctors and Secretaries).

The benefits of the project are :

- employees at the medicare wont deal with any paperwork anymore.
- patients filing system will be easy to access from the doctors that supervise those patients .
- patients can access their medical reports online after visiting the Clinic.
- the patient wont waste any time in calling the clinic many time to ask for the doctors schedules .
- Patients wont waste time in searching for answers for their medical questions as most of the answers on the internet are fake as they will have Q/A page for asking a professional doctors about any chest diseases and other diseases like COVID-19,chest wall cancer and etc...
- employees will access and manage their schedules and payments very easily.
- The patients will have fast, reliable, easy system to use to make a reservation , view their medical reports and view doctor's schedules and portfolio.
- Admin will manage every feature in the system like adding sponsors, staff, finance, announcements, and events.
- The secretaries will make the check in and out the doctors and their schedule , searching or adding the patients in the registration database and managing and viewing their reports.

- The end result will be a full online system for the medicare system that reserve information about patients and their cases and online reservation system for booking an appointments with professional doctors , and managing system for the Admin.

It will be close to Napier Healthcare (<https://www.napierhealthcare.com>) as it is online Manganing system for a healthcare clinic Vzeeta (<https://www.vezeeta.com>) as it is an online reservation system.

2.2 Goals and objectives

The overall goal of System is to design whole software, which fulfils all the requirements of customer.This leads to improve organizational systems, by applying software, which helps employees,doctors and patients to perform tasks more effectively.

Some other Goals are :

- The Utilization of the system .
- Portability of the system
- Elasticity and stability of the system.

Objectives are SMART that is an acronym that stands for:

S=Specific

M=Maintainable

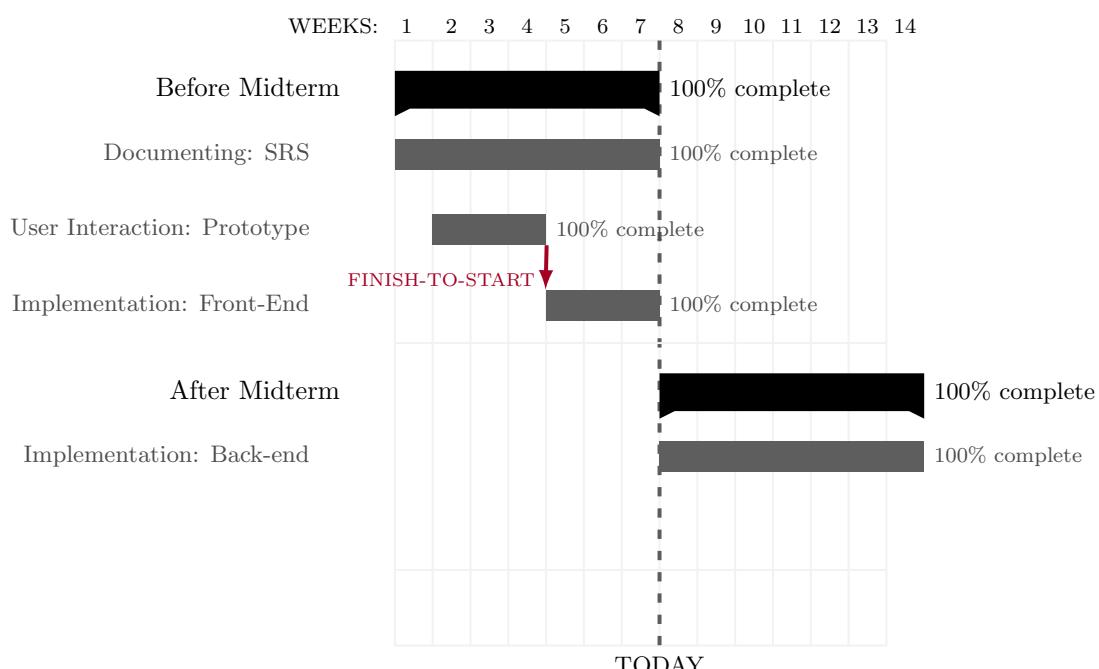
A=Actionable

R=Realistic

T=Timely

2.3 Project Timeline

2.3.1 Gantt chart



	Date
Starting the project	8 FEBRUARY.
Version 1.0	29 MARCH
Version 2.0	9 MAY
Version 2.1 FINALLY	14 MAY .

The overall time frame and major phases (milestones) along with deliverable for each phase.

3 Context viewpoint

System Services are

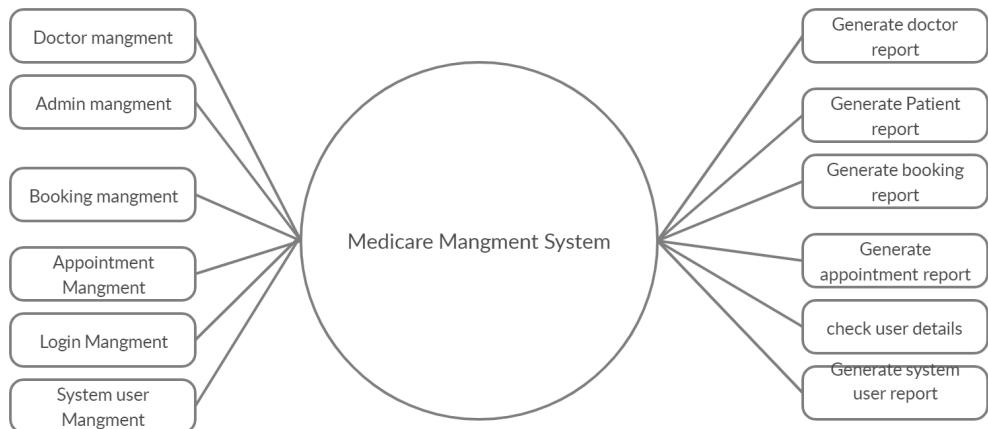
- Admin management.
- Users Management.
- Client registration/Login.
- Appointment Management.
- Booking Management.

- System User Management.
- reports Generator.

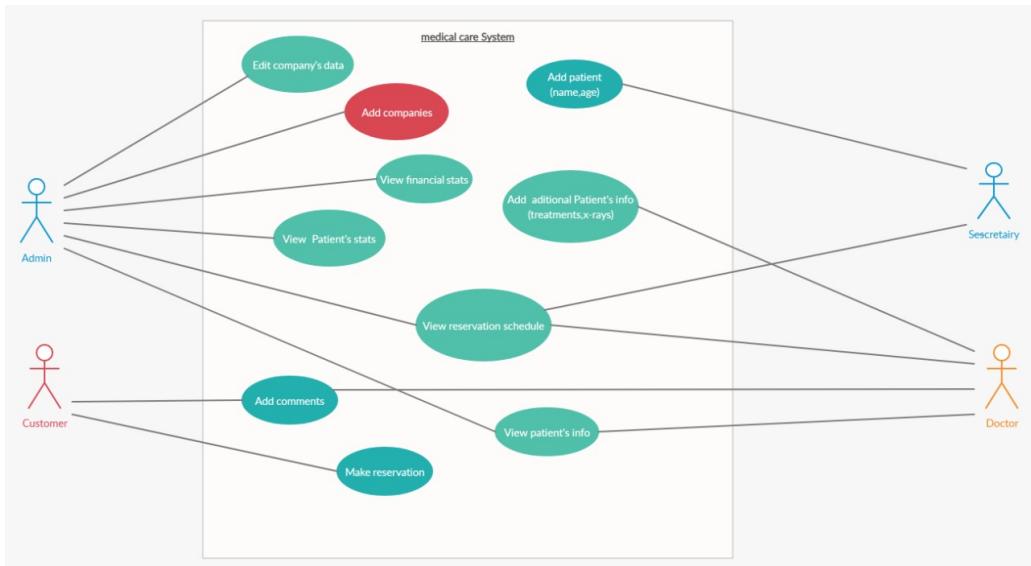
Users Of The System are :

- Doctors
- Secretaries.
- Patients.

Context Diagram :



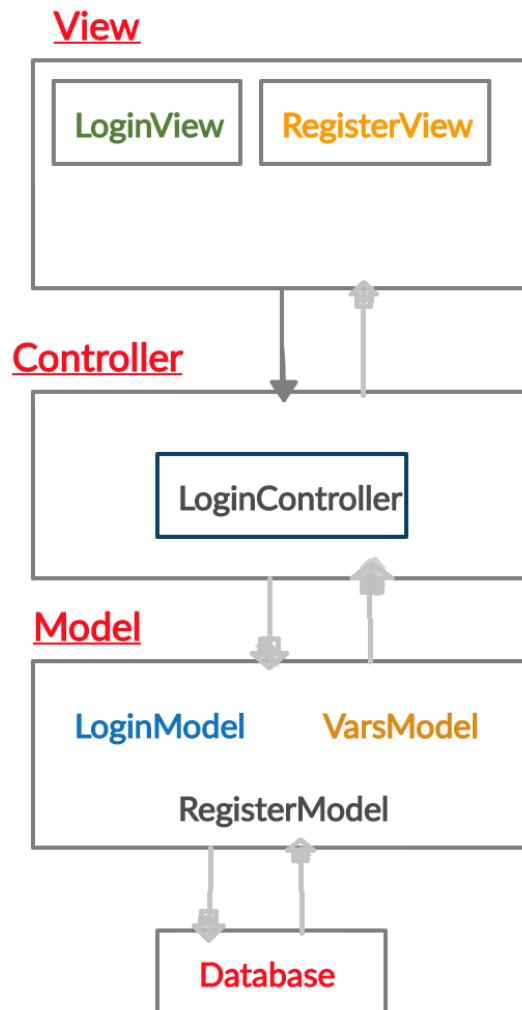
Use Case Diagram :



4 System Architectural Design

The System is separated into two architecture design patterns MVC and Layered design pattern

4.1 Logical viewpoint of MVC



Fig(2):MVC Diagram.

4.1.1 View

It is responsible for presenting the data and user interface (UI). There are three different views. LoginView is responsible for viewing the login options for both admin or doctor, RegisterView for the new doctors and new employees.

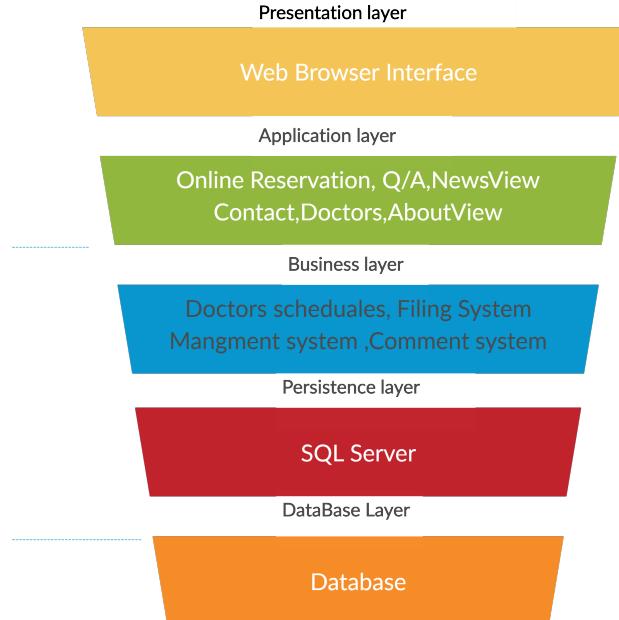
4.1.2 Controller

The Controller is responsible for rendering the view with the Model data, the interactions and the requests done in the data base are handled by the database and the model and then data is sent back to the View.

4.1.3 Model

The model is the data used by the program that has been retrieved and stored in the database and it is considered as the core of the process.

4.2 Logical Overview of Layered Pattern



Fig(3):Layered Diagram.

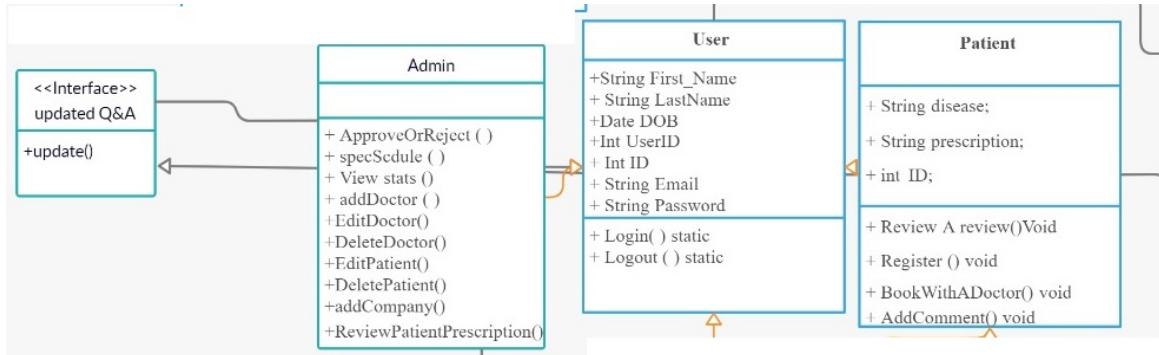
The layered pattern are separated into 5 different layers Presentation or UI layer, Application layer, Business or domain layer, Persistence or data access layer, Database layer.

- The first layer is the presentation layer and it is responsible for the graphical design of the website and the user interface (UI).
- The business layer is the models layer and specific to the business problem you are trying to solve.
- The application layer locates between the presentation layer and the business layer, it provides an abstraction so that the presentation layer doesn't need to know the business layer. technically, you could change the technology stack of the presentation layer without changing anything else in your application and it provides a place to put certain coordination logic that doesn't fit in the business or presentation layer.
- Finally, the persistence layer contains the code to access the database layer.
- The database layer is the last layer in the layered architecture pattern.

4.2.1 Design Rationale

- The used type of MVC is pure MVC that as it allows the data to change independently and Supports presentation of the same data in different ways as when change happen in one representation it changes in all representations shown at of them at once and it is used when there are multiple ways to view and interact with data and it was an easy pattern to be used . second design pattern that is being used in this system is Layered design pattern the idea of using this pattern is to split up the code into “layers”, where each layer has a certain responsibility and provides a service to a higher layer and It provides an easy way of writing a well-organized and testable application.

4.3 Patterns use viewpoint



Fig(4):observer design Pattern.

The used Design patterns is observer design pattern as Observer is a behavioral design pattern that lets you define a mechanism to notify multiple objects about any events that happen to the object they're observing like the youtuber when he notify his subscribers when he upload new things.

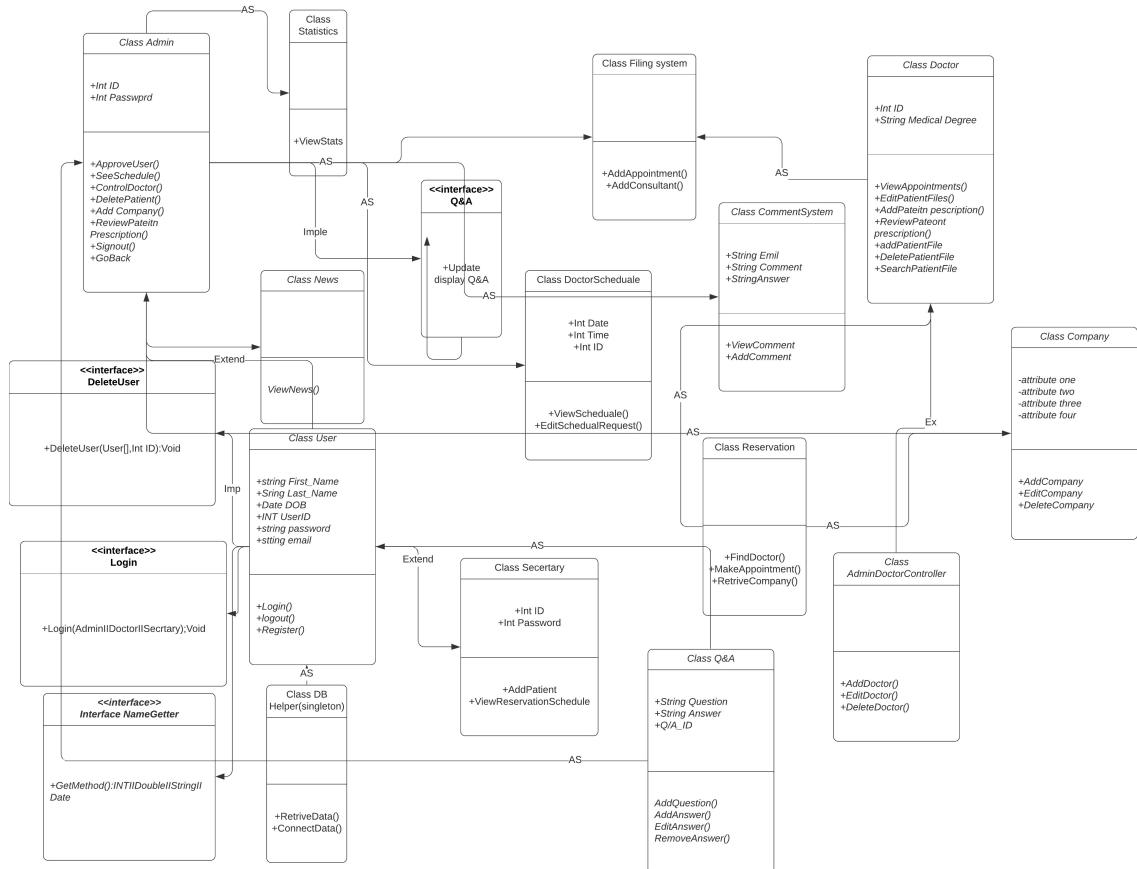
4.3.1 Design Rationale

It defines one to many dependencies between the objects and You can establish relations between objects at runtime,also You can introduce new subscriber classes without having to change the publisher's code (and vice versa if there's a publisher interface).

4.4 Composition viewpoint

SubSystem	Description
Online Reservation System	It is a subsystem that reserve an appointment with a doctor by the patient after filling the required information and it stored in the database after the patient reserve his appointment.
Q/A System	It is located in the Help page and it is feature for the patients to ask any question they want and its being answered by the Admin only .
Comment System	It is a subsystem that helps the patients if they want to ask the doctor by sending him a privet message and this feature the patient can attach files.
Management System	Subsystem for the Admin that can manage all the system with all the features and more properties .
Add/Delete/Register/Edit	Subsystem made for adding and deleting the registered doctors as the admin has to accept or reject them .
Patient Filing System	Subsystem made for the patients files as it includes all the information about the patients and their medical reports and if there is a X-rays or additional files

4.5 Structure viewpoint



Fig(4):Class Diagram

4.6 Algorithm viewpoint

This section is for the system algorithm for the main functions by actual programming language as it been described by Object Oriental.

- This Class Is for doctor and it consists of 2 constructors at class doctor first constructor is doctor registration as the doctor write his name , id and password and it added to database , after adding it to the database the doctor goes to login page and start to write his id and password in this point the second constructor starts to work as the second constructor start to search for the id and password in the database and when the constructor finds them correctly the login will be = true as it saves the specific time of the login for the doctor and the user log in to the system and start checking his appointments.

-CODE :

```
public class Doctor
private String name;
private String username;
private String password;
public booleanloggedin = false; // to check whether the username and password are right
public Doctor(String n, String u, String p)
name = n;
username = u;
password = p;
// write the user name and name and password in the file to save them
try
FileWriter myWriter = new
FileWriter("C:
Users
LENOVO
```

```

Documents
NetBeansProjects
src
doctors.txt", true);
String writing = name+""+username+""+password+"";
// how it looks in the db
myWriter.write(writing);
myWriter.close();
System.out.println("Successfully wrote to the file.");
catch (IOException e)
System.out.println("An error occurred.");
e.printStackTrace();

public Doctor(String u, String p)
int i = 0;

try
File myObj = new
File("C:
Users
LENOVO
Documents
NetBeansProjects
src
doctors.txt");
Scanner myReader = new Scanner(myObj);
while (myReader.hasNextLine())
// read username and password and name
String data = myReader.nextLine();
String data1 = myReader.nextLine();
String data2 = myReader.nextLine();
// check if username and password that the user entered are in the database
if (data1.equals(u) data2.equals(p))
name = data;
username = data1;
password = data2;
loggedin = true;
System.out.println("Logged in!");

myReader.close();
catch (FileNotFoundException e)
System.out.println("An error occurred.");
e.printStackTrace();

public String getName()
return name;

public String getUsername()
return username;

public String getPassword()
return password;

```

- This Class is for appointments has only one constructor that save the appointments when the patient books an appointment with the doctor.

```

public class appointment
String name;
String day;
String time;
String doctorapp;
// write the appointment info to the database directly.
public appointment(String n, String d, String t, String doct)
try
FileWriter myWriter = new
FileWriter("file location", true);
String writing = doct+" "+n+" "+d+" "+t+" ";
myWriter.write(writing);
myWriter.close();
catch (IOException e)
e.printStackTrace();

```

- This is the main class (Clinic) as it consists of two functions the main function and function called GetAlldoctorName it opens the doctors file and read all the names and choose the doctor to make an appointment with and its made for the patients as they don't have to register to make an appointment with the doctor they only fill name, day,time and mark the doctor they want to make an appointment with .

```

public class Clinic
public static void listDoctorNames()
// read all doctor names from file
try
File myObj = new
File("File Location");
Scanner myReader = new Scanner(myObj);
while (myReader.hasNextLine())
String data = myReader.nextLine(); // doctor name
String data1 = myReader.nextLine(); // user name not needed
String data2 = myReader.nextLine(); // password not needed too
System.out.println(data);

myReader.close();
catch (FileNotFoundException e)
e.printStackTrace();

```

```

public static void main(String[] args)
// program start
System.out.println("Welcome to the clinic System!");
System.out.println("Are you a:");
System.out.println("1- Patient");
System.out.println("2- Doctor");
Scanner userinput = new Scanner(System.in);
int choice = userinput.nextInt();
int cont = 1;
// so it can continue even if he enters wrong username and password
while(cont == 1)
if (choice == 1)
System.out.println("Available Doctors names: ");
listDoctorNames(); // show doctor names
System.out.println("Please enter your name day , time and doctor of the appointment you want.");
Scanner z = new Scanner(System.in);
appointment app = new appointment(z.nextLine(), z.nextLine(),
z.nextLine(), z.nextLine()); // make appointment
System.out.println("Congratulations");

```

```

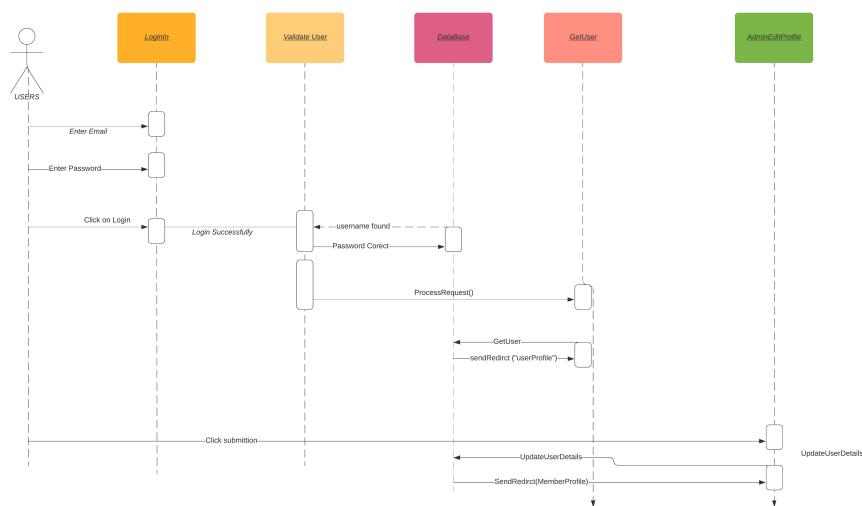
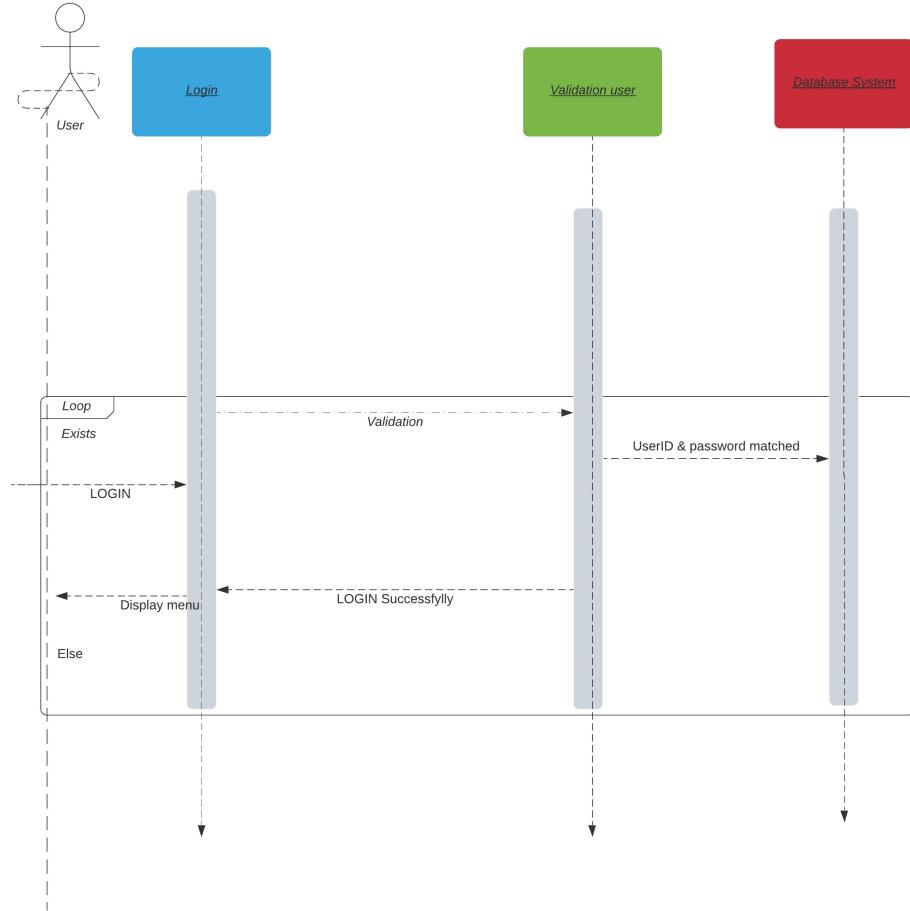
cont = 0; // stop program
else if (choice == 2)
System.out.println("1- Signup");
System.out.println("2- Login");
int choice2 = userinput.nextInt();
if (choice2 == 1)
System.out.println("Please enter name then username then password in that order.");
Scanner n = new Scanner(System.in);
new Doctor(n.nextLine(), n.nextLine(), n.nextLine());
// register line using data inputted by user
else if (choice2 == 2)
System.out.println("Please enter your username and password in that order.");
Scanner b = new Scanner(System.in);
Doctor doc = new Doctor(b.nextLine(), b.nextLine());
// login using data inputted by user
if (doc.loggedin)
try
File myObj = new
File("C:
Users
LENOVO
Documents
NetBeansProjects
Clinic
src
Clinic
appointments.txt");
Scanner myReader = new Scanner(myObj);
int app = 1;
while (myReader.hasNextLine())
// read appointment info and output them
String data = myReader.nextLine();
String data1 = myReader.nextLine();
String data2 = myReader.nextLine();
String data3 = myReader.nextLine();
if (data.equals(doc.getName()))
System.out.println("Appointment " +app);
System.out.println("Name: " +data1);
System.out.println("Day: " +data2);
System.out.println("Time: " +data3);
app++;
myReader.close();
catch (FileNotFoundException e)
System.out.println("An error occurred.");
e.printStackTrace();

cont = 0;
else
System.out.println("Wrong credentials");

//Doctor doc = new Doctor("hamzawy1", "dsfasdf", "dfsdf");

```

4.7 Interaction viewpoint



4.8 Data Dictionary

4.8.1 security

- The system must verify every account has been created and entered through the registration process using username matching function
- Using VarsModel as it protect the database server by storing data inside another file in the database.

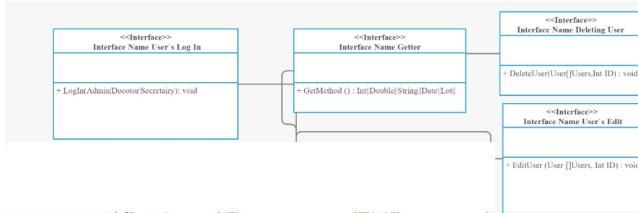
- user password should be disabled on the screen as it is considered as sensitive information

4.8.2 Maintainability

it will be achieved by using MVC design pattern that divides the system into three separated modules to separate the data handled in each module.

Also layered design pattern allow maintainability in the system .

4.9 Interface viewpoint



Interface	Description
Name User	Gets the Name of the user in the login process
Name Getter	GetMethod for the name in the login section
Name Deleting User	To delete the users by the admin
Name user Edit	To edit the users name if it needed a modify

5 Data Design

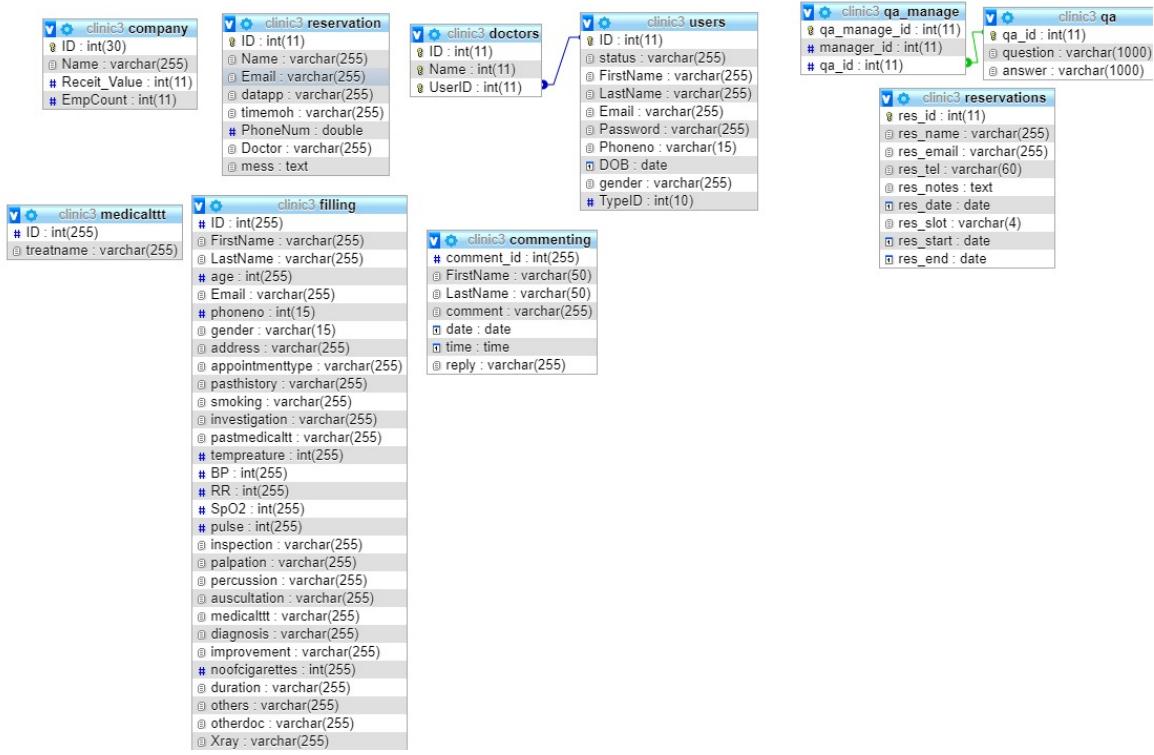
5.1 Data Description

The system database is derived from the main components that are users,admin,doctors and medicaltt (Prescription) the users,admin tables are made with Entity–attribute–value model (EAV) is a data model to encode and considered as generalisation of row modelling. It means that all types of facts are recorded in a single table across the entire database, where a row-modelled table is homogeneous in the facts that it describes,briefly we store the entities and the attributes separately then collect their values in another table .

The information domain changed as It used to be Paper based then we turned it into data on database(sql), and the used methods are web page forms ,the the database expected to be About 4-8 columns and lots/variable number of rows(according to how many patients/doctors/reports/companies available to the clinic at that time), and the system is trained to have a large number of users and customers at the system as there is doctors,patients,employees and admin all work on the system but the actual number varies greatly (according to the popularity of the clinic and how well the patient feel as they might make more appointments using the system when they are ill).

There is an entity keys constructed in specific code as we have a primary key(ID)that access any database for either the companies,doctors,types of users, normal or special patients ,etc..

the database is counting on data/time in (doctors arrival, appointments time, event time, etc.....). in DATE-TIMEw Form



Database schema.

5.2 Database design description

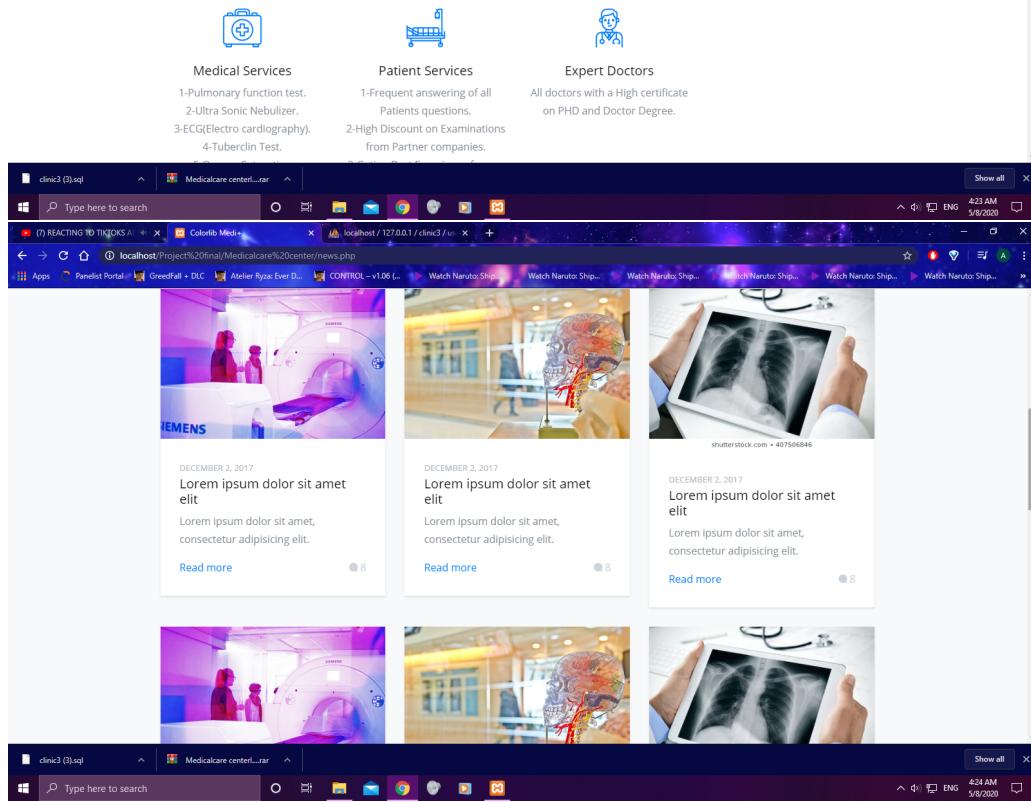
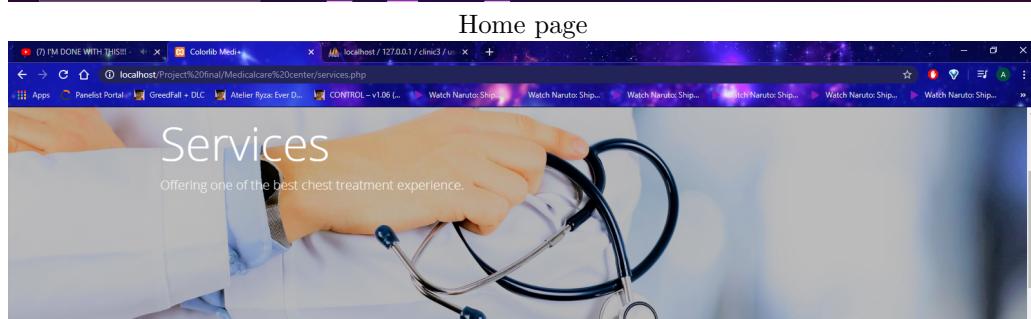
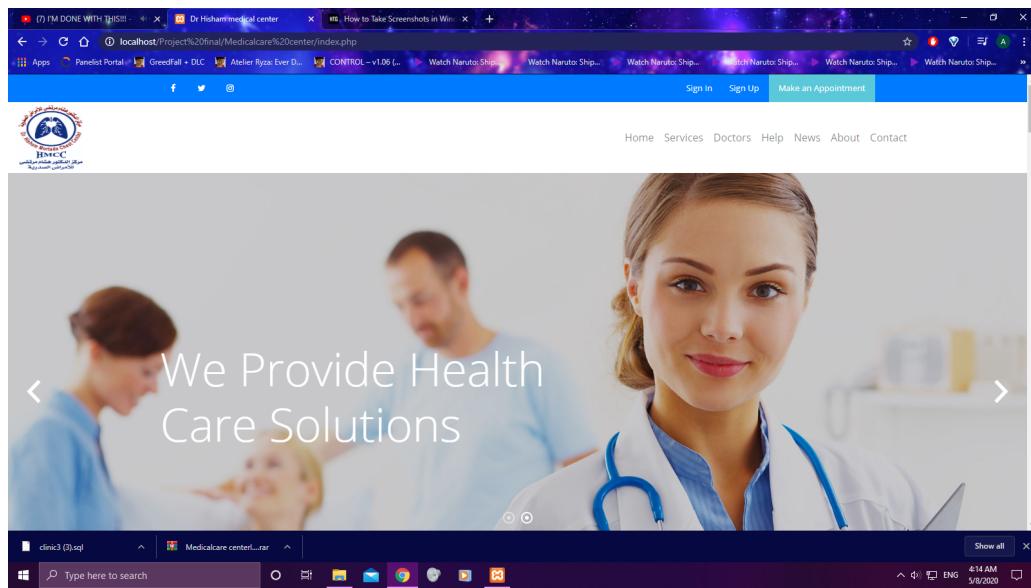
	Description
Filing	For reserving all the information and reports about the patients that visited the clinic and got diagnosed .
Medicallttt	For Patient prescription.
Commenting	Private comments came from patients
company	added company with exact discount code
Reservation	save the reservations that has been made by the patients in database
doctors	Doctors that work in the medicare Clinic
Q/A	Hold accepted questions by the patients.

6 Human Interface Design

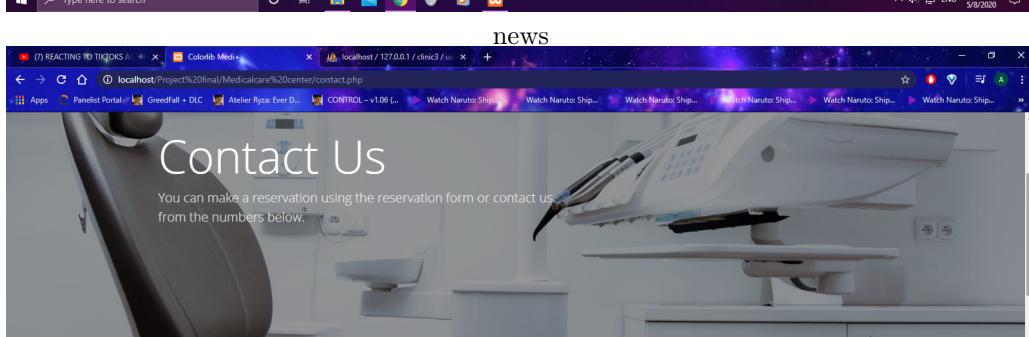
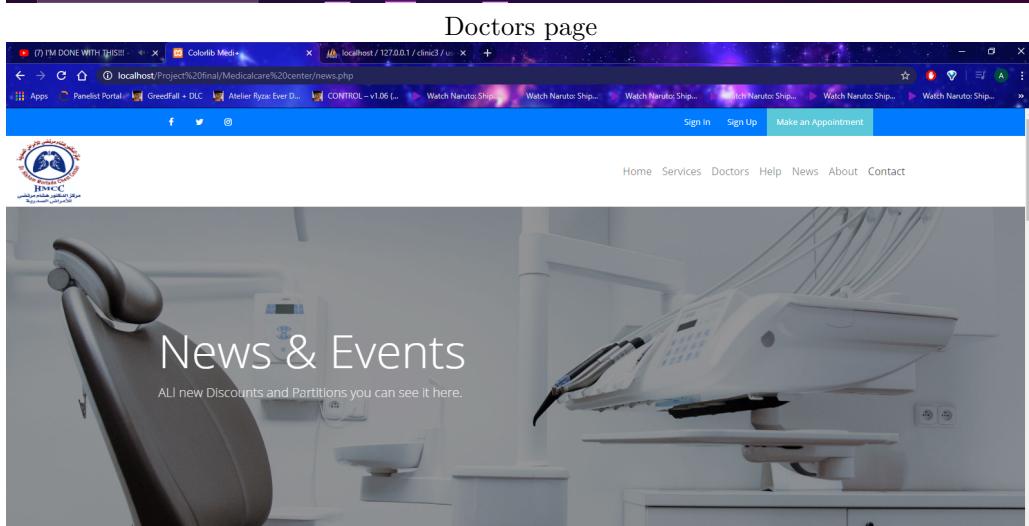
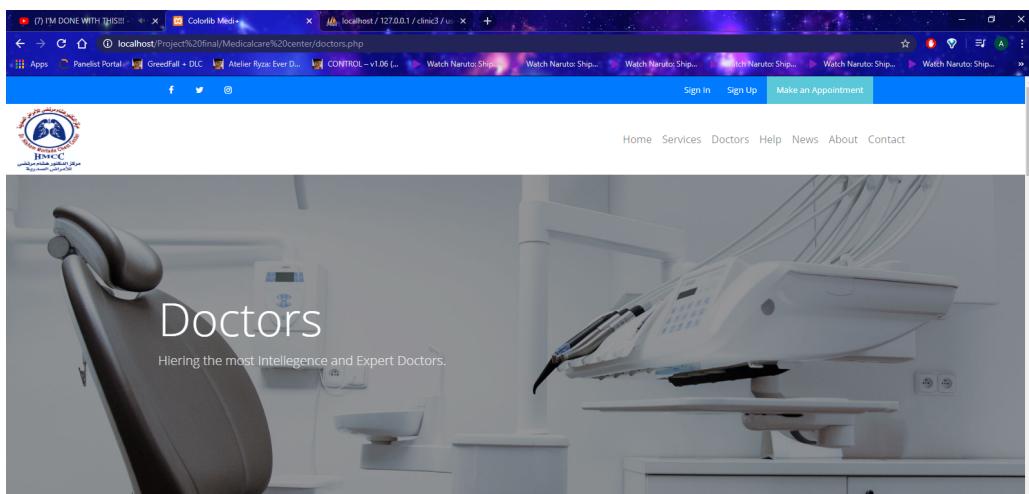
6.1 User Interface

The system user interface is simple and efficient that guarantees all the users to find it easy to use , first the user will enter the website he will find the home Page that describe everything about the medicare like why this medicare is considered as one of the best medicare clinics in the country , a list of the services that the medicare provides , a list of professional doctors that works in the medicare , news about the medicare and tips for famous diseases and how to avoid being infected with it , second thing there will be an options and features for the users as if you are a patient you will have a Q/A system in the help page that provides the patients to add their questions and it will be answered by a professional doctor , you can also make an appointment without registration in the system all you have to do is filling the requirements needed for the reservation , if you are a doctor or an admin to access the features of the system you have to log in if you are existed doctor or reg ester if you are a new doctor and all those things can be found on a navigation bar at the top of the website.

6.2 Screen Images



Services page



First Name	Last Name	ADDRESS
<input type="text"/>	<input type="text"/>	El matria square bit el ezz towers 2, tower A 3rd floor app no 301
Email		EMAIL US AT
<input type="text"/>		mortada_hisham23@yahoo.com



Contact us

Q&A Center

The screenshot shows a web application interface for a medical center's Q&A section. The top navigation bar includes links for Home, Services, Doctors, Help, News, About, and Contact. A logo for "Dr Hisham medical center" is visible.

Data type: Data

Q&A ID: 1

First Name: [Empty input field]

Last Name: [Empty input field]

Age: 0

WE ARE HERE FOR YOU

Frequently Asked Questions

- Question1 : as
- Question2 : ss
- Question3 : as
- Question4 : new q

Q/A

Welcome Doctor

Approve users See Schedules Control Doctors Add Company Q/A private messages Review Patient Prescription add treatment SignOut

Data type: Data

comment ID: 2

Comment: Hello

Reply: hello

Send Reply **Cancel**

Commenting system

Notice: session_start(): A session had already been started - ignoring in E:\Programs\Xampp\New folder\htdocs\Project final\Medicalcare center\DoctorPage.php on line 5

Welcome Doctor ...@gmai.com

Home Table patient file Q/A SignOut

ID First Name Last Name Appointment Type Handle

1 1
2 2
3 3
4 5
5 6
6 7
7 8 helllooooooooooooo heleoooooooooooo Appointment Edit Delete
8 9 sad asd Edit Delete
9 10 sad asd Edit Delete

Show all

appointments

REACTING TO TIKTOKS A WhatsApp Dr Hisham medical center

localhost/Project%20final/Medicalcare%20center/index.php

Choose a Company:

Full Name

Email

Date Time

Phone No.

Choose a doctor: ahmed

Message

Sign In Sign Up Make an Appointment

Services Doctors Help News About Contact

Show all

Reservation

REACTING TO TIKTOKS A WhatsApp Dr Hisham medical center

localhost/Project%20final/Medicalcare%20center/index.php

Choose a Company:

May 2020

Su	Mo	Tu	We	Th	Fr	Sa
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Time

5/13/2020

Phone No.

Choose a doctor: ahmed

Message

Sign In Sign Up Make an Appointment

Services Doctors Help News About Contact

Show all

date

A screenshot of a medical appointment booking website. The header features a navigation bar with links for WhatsApp, Dr Hisham medical center, and several other tabs like CONTROL - v1.06... and Watch Naruto: Shippuden. Below the header is a search bar with placeholder text "Choose a Company:". A dropdown menu for "Full Name" shows "ahmed" as the selected option, with other names like "ahmed", "ahmed", "ahmed", "ahmed", and "ahmed" listed below it. A dropdown for "Email" shows "asd" as the selected option, with other email addresses like "asd", "ahmed", "ahmed", "ahmed", and "ahmed" listed below it. A dropdown for "Date" shows "5/13/2020" as the selected option, with other dates like "ahmed", "ahmed", "ahmed", "ahmed", and "ahmed" listed below it. A dropdown for "Phone No." shows "12312412" as the selected option, with other phone numbers like "ahmed", "ahmed", "Heba", "H", "ahmed", and "ahmed" listed below it. A dropdown for "Choose a doctor:" shows "ahmed" as the selected option, with other names like "ahmed", "ahmed", "ahmed", "ahmed", and "ahmed" listed below it. A large text area for "Message" is empty. On the right side of the form, there is a large image of a female doctor wearing a white coat and a stethoscope. At the top right of the page, there are links for "Sign In", "Sign Up", and "Make an Appointment". Below these links are buttons for "Services", "Doctors", "Help", "News", "About", and "Contact". The bottom of the page shows a taskbar with icons for clinical databases and a search bar, along with system status indicators like battery level, signal strength, and date/time.

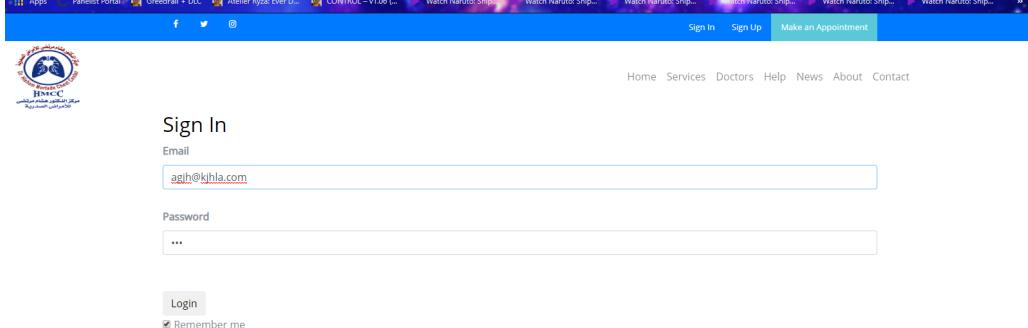
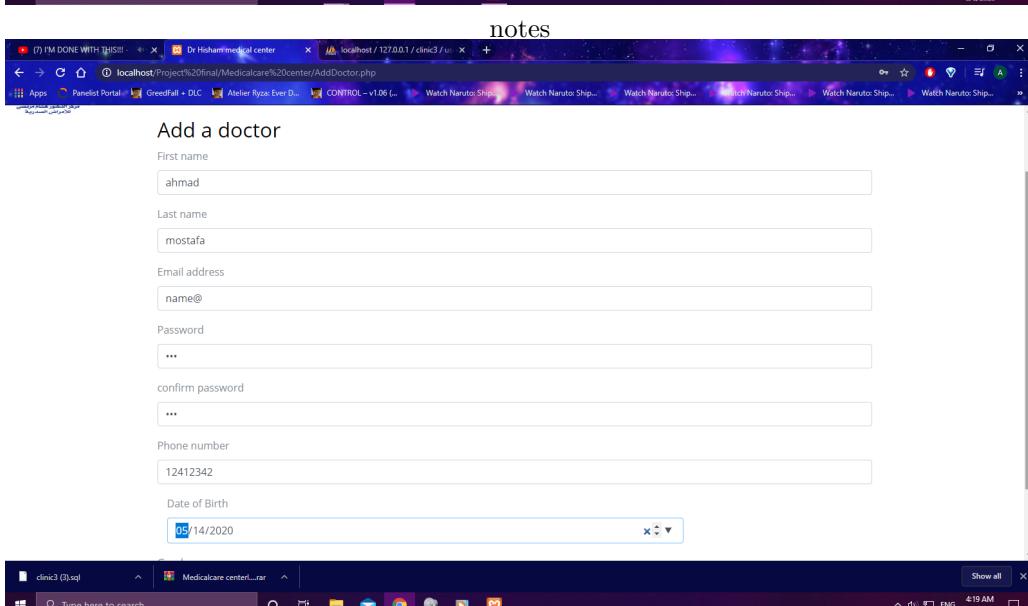
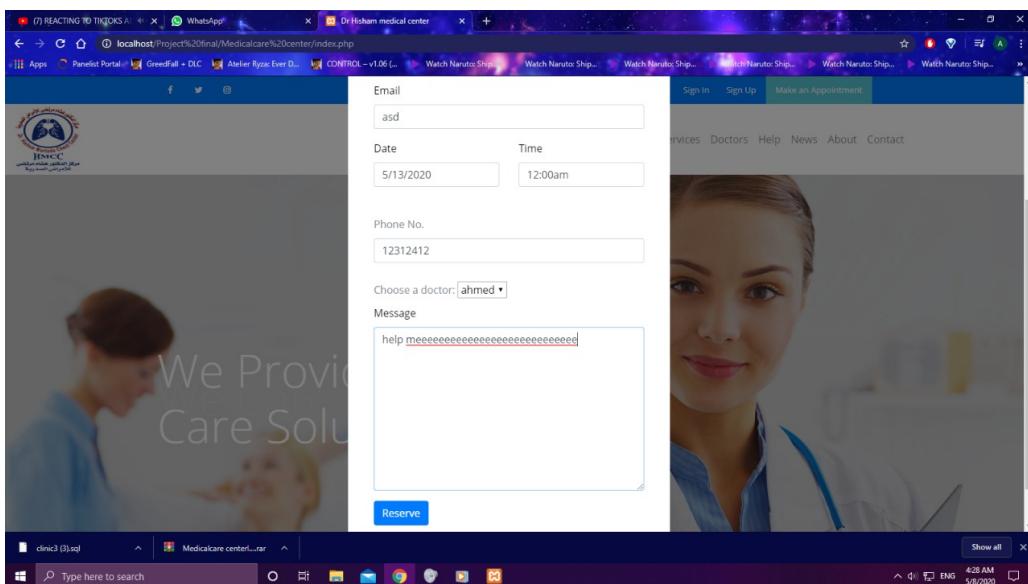
List of doctors

A screenshot of a web browser showing a medical appointment booking interface. The page title is "Di Hisham medical center". The header includes links for "Sign In", "Sign Up", and "Make an Appointment". Below the header, there are navigation links for "Services", "Doctors", "Help", "News", "About", and "Contact". On the left, there is a logo for "JNC" (جامعة الملك عبد الله للعلوم والتقنية) and a banner with the text "We Care". The main form is titled "Appointment" and contains fields for "Choose a Company" (dropdown menu), "Full Name" (input field with value "asd"), "Email" (input field with value "asd"), "Date" (input field with value "5/13/2020"), "Time" (dropdown menu showing options: 12:00am, 12:30am, 1:00am, 1:30am, etc., with "12:00am" selected), "Phone No." (input field), "Choose a doctor" (dropdown menu with value "ahmed"), and a "Message" input field. A sidebar on the right shows a stylized graphic of a brain or network of connections.

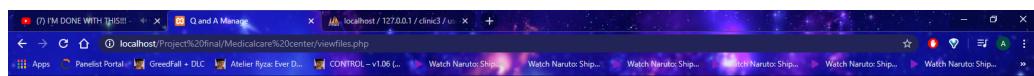
Exact time

A screenshot of a medical appointment booking website. The header features a logo for 'JNSCC' (جامعة الملك سعود للمعلومات الصحية) and navigation links for 'Services', 'Doctors', 'Help', 'News', 'About', and 'Contact'. A banner on the left shows a doctor and patient with the text 'We Provide Care Solutions'. The main form has fields for 'Email' (containing 'asd'), 'Date' (5/13/2020), 'Time' (12:00am), 'Phone No.' (12312412), and a 'Message' box containing 'help meeeeeeeeeeeeeeeeeeeeeeeeeeeee'. A validation message 'Please match the requested format.' is displayed above the phone number input. A 'Reserve' button is at the bottom. The background features a large image of a female doctor.

Phone Number Validation



For admin and users login



#	ID	First Name	Last Name	Appointment Type	Handle	ADD Appointment	ADD Consultation	view
1	1					Edit	Delete	
2	2					Edit	Delete	
3	3					Edit	Delete	
4	5					Edit	Delete	
5	6					Edit	Delete	
6	7					Edit	Delete	
7	8	helllooooooooooooo	heloooooooooooo			Edit	Delete	
8	9	sad	asd			Edit	Delete	
9	10	sad	asd	Appointment		Edit	Delete	

If you are Secretary , doctor or admin

#	ID	First Name	Last Name	Appointment Type	Handle	ADD Appointment	ADD Consultation	View
1	1					Edit	Delete	
2	2					Edit	Delete	
3	3					Edit	Delete	
4	5					Edit	Delete	
5	6					Edit	Delete	
6	7					Edit	Delete	
7	8	helllooooooooooooo	heloooooooooooo			Edit	Delete	
8	9	sad	asd			Edit	Delete	
9	10	sad	asd	Appointment		Edit	Delete	

Doctors appointment list

Dr Hisham medical center								
localhost/Project%20final/Medicalcare%20center/addtreatment.php								
Approve users	See Schedules	Control Doctors	Add Company	Q/A	private messages	Review Patient Prescription	add treatment	SignOut
<u>NEW TREATMENT</u>								
Treatment name								

Panadol

Add treatment

prescription

For Admin : Doctors requests page

Doctor ID	Status	First Name	Last Name	Email	Password	Phone Number	DOB	Gender
1	approve	ahmed	hisham	agjh@kjhla.com	asd	21323213	1998-10-12	male
2	Approved	ahmed	hisham	agjh@kjhla.com	add	0122121231	1998-10-12	male
3	approve	ahmed	hisham	agjh@kjhla.com	add	0122121231	1998-10-12	male
4	pending	ahmed	hisham	agjh@kjhla.com	add	0122121231	1998-10-12	male
9	pending	ahmed	hisham	agjh@kjhla.com	AAaa123878	54656546	1998-02-06	male
10	pending	ahmed	hisham	agjh@kjhla.com	AAaa123878	54656546	1998-02-06	male
12	Approved			asd	asd		0000-00-00	
14	pending						0000-00-00	
16	pending						0000-00-00	
18	Approved	ahmed	hisham	agjh@kjhla.com	Gamil123	54656546	1998-02-06	male
19	Approved	ahmed	hisham	mil@hotmail.com	Gamil123	54656546	1998-10-11	male
20	approve	Heba	hisham	mil@gmail.com	Gamil456	54656546	1997-02-03	female
21	pending	H	hisham	mil@gmail.com	Ghght123	0213213	0416-05-06	female
22	pending	ahmad	mostafa	name@yahoo.com	Aaaaaaaaaaaaa1	12412342	2020-05-14	male

Welcome Doctor [\[Logout\]](#)

	Name	Email	Password	phone	Date of birth	Approve
1	ahmed hisham	agjh@kjhla.com	add	0122121231	1998-10-12	approve
2	ahmed hisham	agjh@kjhla.com	add	0122121231	1998-10-12	approve
3	ahmed hisham	agjh@kjhla.com	AAaa123878	54656546	1998-02-06	approve
4	ahmed hisham	agjh@kjhla.com	AAaa123878	54656546	1998-02-06	approve
5					0000-00-00	approve
6					0000-00-00	approve
7	H hisham	mil@gmail.com	Ghght123	0213213	0416-05-06	approve

Doctors data Set

+

Add New Doctor

You can add approved doctor from here

Add

-

Delete Doctor

Delete any Doctor you want

Delete

⟳

Update doctor

you can update doctor info here

Update

Doctor Dataset Mangment Adding / Deleting / Edit

1	approve	ahmed	hisham	agjh@kjhla.com	asd	21323213	1998-10-12	male
---	---------	-------	--------	----------------	-----	----------	------------	------

Edit

Please Edit A Doctor

Doctor's ID
28

Status
pending

First Name
aaaa

Last Name
ssss

Email

Password

Show all

421 AM ENG 5/8/2020

Edit Doctors

Welcome Doctor [add](#)

Company Name	Receipt Value (EGP)	Number of Employees
1	100 LE	10 Employees
6	100 LE	500 Employees
7	100 LE	300 Employees

[Edit](#) [Delete](#) [Add](#)

SERVICES [Find a doctor](#)

LATEST NEWS [News & Press Releases](#)

ABOUT [About the Medical care center](#)

LOCATION & CONTACT
El matria square bit el ezz towers
2 tower A 3rd floor app no 301
EMAIL mortada_hisham23@yahoo.com

421 AM ENG 5/8/2020

Manage Companies

6	OST	100 LE	500 Employees
7	OST	100 LE	300 Employees

[Edit](#) [Delete](#) [Add](#)

Please Add A company

Name

Receipt Value

Employees Count

[Save](#) [Reset](#)

SERVICES [Find a doctor](#)

LATEST NEWS [News & Press Releases](#)

ABOUT [About the Medical care center](#)

LOCATION & CONTACT
El matria square bit el ezz towers
2 tower A 3rd floor app no 301
EMAIL mortada_hisham23@yahoo.com

422 AM ENG 5/8/2020

Adding Companies

#	Q/A ID	Question	Answer	Handle	ADD Question
1	3	as	as	Edit	Delete
2	26	ss	ss	Edit	Delete
3	27	as	as	Edit	Delete
4	40	new q	new a	Edit	Delete
5	41	How do i make an appointment?	Edit	Delete

Q/A management

Question

How do i make an appointment?

Answer

.....

[ADD Q&A](#) [Cancel](#)

Answering Q/A

Frequently Asked Questions

Question1 : as
as

Question2 : ss

Question3 : as
as

Question4 : new q
new a

Question5 : How do i make an appointment?
.....

Answered Q/a

7 References

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- [7] [5] [1] [3] [6] [2] [4]

8 Requirements Matrix

Module Name	Req NO.	Description	Testing	Status
Login & registration	1,22,23	Register is needed for the doctors to access the system. Login is required to access system features	register data need to be filled to add it to the database login : retrieve data from the system and compare it with the entered one	Complete
Reserve an Appointment	2,3,6,9,19	Online Reservation system for the patient to make an appointment with the doctors and it needs a specific details to be added then the appointment is added to the database.	The patient need to fill some information needed to make the reservation process like (name, phone numb, etc..)	Complete
schedules Access	6,9,13,14	Doctors are able to access and edit their daily schedules	doctors can view and edit the time and days they are working at.	Complete
patient files and reports	5,10	Filing system for the patients prescriptions and reports	uploading report about the patient and prescription needed	In progress
Q/A page	8,21	For adding questions that can be answered by the admin	Writing a question in the help page and login to the admin account to answer it	Complete
Statistics	4,7,11	Statistics for incoming and out coming every month beside statistics for monthly progress of the clinic	can be checked in the statistics at the navigation bar when you login to the admin account and it changes every time we add patient	Complete
File Upload	15	Handling upload filing process	By uploading file at the filing system	In progress
Store Data	20	store the data after saving the reports at the filing system and display its details	Should take the stored information then add the report then store the final data in a file .	In progress