BANK MANAGEMENT SYSTEM

A PROJECT REPORT

SUBMITTED BY

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in Partial Fulfillment of the Requirements
for the Degree of

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Under the Supervision of

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July 2021

DECLARATION

We hereby declare that the work presented in this report entitled “HEALTHCARE MANAGEMENT SYSTEM ", was carried out by us. We have not submitted the matter embodied in this report for the award of any other degree or diploma of any other University or Institute.

We have given due credit to the original authors/sources for all the words, ideas, diagrams, graphics, computer programs, experiments, results, that are not my original contribution. We have used quotation marks to identify verbatim sentences and given credit to the original authors/sources.

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Field : **M.C.A. 6th Semester**

Utkarsh Gangal

(Candidate Signature)

ACKNOWLEGMENT

Here, I gladly present this project report on **".Healthcare Management System"** as part of the 6th semester MCA Master in Computer Applications. I take this occasion to thank God, almighty for blessing me with his grace and taking our endeavor to a successful culmination. I extend my sincere and heartfelt thanks to me esteemed guide, for providing me with the right guidance and advice at the crucial junctures and for showing me the right way. I have many understanding friends, who have helped me a lot on many critical conditions. Finally, my sincere thanks go to my family members and all those who have directly and indirectly provided me moral support and other kind of help. Without their support, completion of this work would not have been possible in time. They keep my life filled with enjoyment and happiness.

Utkarsh Gangal

CETIFICATE

Certified that **Utkarsh Gangal** (**University Roll No.1900290149103),** have carried out the project work having "Healthcare Management System" for Master of Computer Applications from Dr. A.P.J. Abdul Kalam Technical University (AKTU) (formerly UPTU), Technical University, Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself/herself and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

Date:

Utkarsh gangal
(University Roll No. 1900290149103)

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Date :

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Signature of Internal Examiner **Signature of External Examiner**

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Abstract

"Healthcare Management System" is a web application developed to provide essential medical services online to users irrespective of their location. Users can connect through their home internet to get these services. The motivation to build the system is that very few or no doctors are available at remote locations and people have to travel a long distance to get appointment from doctors. This system provides the power of direct interaction with doctors of our choice. Using this web application, patients will able to fill online form in just few seconds and can take appointment to the doctors online without visiting them. This system reduces the manual work at Health care centers. This system provides list of doctors along with their details so that user can easily interact with the doctor of particular field or area.

The computerization of the system will help greatly in maintaining of proper information about the patients records and doctors currently available in any particular area. This will also help people to get proper healthcare support from specialist doctor

CHAPTER :- I

Introduction

Health care management system is a web application developed to assist in management of patients and providing users an easy way to take online appointments from doctors. The main aim of developing "HEALTH CARE MANAGEMENT SYSTEM" is to computerize the Tradition way of providing health services. This System is designed for people/users and doctors to provide an efficient way for their interaction. The project Healthcare Management system includes registration of patients and doctors, storing their details into the system, and also online appointment of doctors. Healthcare is a field in which accurate record keeping and communication are critical. The software has the facility to give a unique id for every patient and stores the details of every patient automatically. With the increase of demand in hospitals, we need effective data management system for handling patient(s) data, doctor(s) data and treatment details in an effective way. It deals with the collection of patient's information, diagnosis details, etc. User can search availability of a doctor and the details of their specialization field using their id.

The main intention of introducing this system is to reduce the manual work at Health centers. It would also help in the complexity of maintaining the records manually and thus less time is wasted on paperwork. The system allows doctor to register themselves and enter the details about their health center and the details about the timing at which they are available to take appointments. User can login into the System using a username and password and search doctors in particular area. To develop a Healthcare Management system, we take care of patient registration, doctor's information and timings at which the doctors are available for treatment of their patients. Admin maintains overall data in the database. The main functions of the system is register and store patient details and doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully System input contains patient details, doctor details, and appointment details while system output is to get these details on to the screen. Every sort of task is performed by the admin, such as registering doctors and patients, enquiries, and complaints etc. it reduces paper work and burden of file storage. Healthcare Management System is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to people.

To develop a Health Center Management system, we take care of patient registration, drug information and concerns such as drug enquiries and complaints.

The current manual system is slow laborious and error prone to computerize the same for quicker efficient results and customer satisfaction

CHAPTER :- II

LITERATURE VIEW

A healthcare Management System supported time period information capture and intelligent call making" Author(s): genus Musa, A. Lancashire Bus. Sch., Univ. Systems and information science (ICSAI), 2012 International one in every of the most important challenges existing healthcare Management Systems face is around operational potency and wait times between totally different processes, departments, and persons.

The system covers the visual simulation and providing the ability to analyze the continuing operations in order that they are corrected to realize enhanced method potency and repair levels. [1]

"Study on data system of health care services management in hospital" Author(s): Damping Hu, Antai Sch. of Services Systems and Services Management, 2005. Proceedings of ICSSSM '05. 2005 International Conference This paper reviews the HMS that square measure wide utilized in several hospitals in China in the main to produce an easier and quicker method for daily medical tasks /activities with an interface And provides for overcoming a number of the restrictions of Healthcare Management System, eg. HMS aims at the rising quality of health care services however don't have a method of evaluating /measuring those. the flexibility to gauge the services facilitates hospitals to attain higher client satisfaction scores and obtain a competitive edge against those hospitals that are scoreless or use HMS and don't have ways in which of promoting the standard of their services.[2]

"Specification of a Reference Model for the Domain Layer of a Hospital data System" an Institute for the prices during this section become unmanageable thanks to a ton of unknown factors.[3]
A number of the challenges that this scheme must work on square measure high demand pressure, bigger client satisfaction level, and low-profit margins. This paper additionally thus contributes to designing, style, and development aspects of any aid.

Healthcare Management system by lightness ESFs that ought to be thought about. The external and internal factors the author mentions are the general public at giant, Law and policy manufacturers, Funders.[4]

Defining HMS failure and success is advanced, and therefore the current proof base on HMS success and failure rates was found to be weak. withal, the simplest current estimate is that HIS failure is a vital drawback.[11]

The Healthcare Management system has been shown to boost quality by increasing adherence to pointers, enhancing unwellness police work, and decreasing medication errors. Effect on time utilization is mixed.

Empirically measured price information square measure restricted and inconclusive.[13]

disease surveillance, and decreasing medication errors. Effect on time utilization is mixed. Empirically measured cost data are limited and inconclusive.

Information is required in social control decision-making once organizational goals are ccomplished through designing, execution, and management (Thompson and Cats-Baril, 2003).

This data is usually scattered in numerous systems and what is more, managers

may also receive inaccurate or unreliable data. data management issues are caused by many factors. Firstly, most clinical data systems are developed to support just one specific clinical task, like medical specialty or administration of

medicines and their are generally challenges within the communication between these different systems (Cantrill, 2010; Springmann, 2012). Secondly, massive amounts of information result in AN data overload (Wilson, 2001). Reasons for data overload in tending settings ar in line with Hall and Walton (2004): the look of the project is influenced by the paper

“Functional Description of on-line Medical Management

System mistreatment trendy Technology “ by Priyanka Patil, Sruthi Kunhiraman, Rohini Temkin VES Institute of

May - June 2020

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Technology, Chembur, Mumbai. The paper by "Intelligent Hospital Management System (IHMS), "Design and Implementation of Hospital Emergency Nursing Information Management System," [10] From this paper the idea concerning the general style was formed. GB Koyuncu and H. Koyuncu, "Intelligent Hospital Management System (IHMS),". [12] From this paper, a clear plan of the elements to be enclosed into the software answer was taken. From this paper, the information flow of knowledge within the hospitals was inferred. HOSPITAL MANAGEMENT SYSTEM by Digvijay H. Gadhari, Yadnyesh P. Kadam, Prof.

Parineeta [14] From this paper the concept of securing the login was inferred. From the paper "Quality of information management and potency of Hospital employees" by Spamast-Malita, Iteit [5], data management was inferred. From the paper Olusanya Olamide. O, Elegbede Adedayo. W and Ogunseye Abiodun. A "Design and Implementation of Hospital Management System mistreatment Java" ways and information Structures were inferred. "Advanced Hospital information Management System" From this paper the table structure within the information was referred to. From this paper, "Design and Implementation of Hospital Management System" some minor details were inferred. Kumar, Prem & Kosalram, Kalpana.
(2013).

CHAPTER:- III

ADVANTAGES TO BOTH END USERS & DEVELOPERS

The system is useful in various ways as the information about the patients who are taking the free services from the health center all the details are already stored in the database, so the service is done in no time. All the information about the drugs are also maintained in the database

• GOALS AND OBJECTIVES:

1. Service should be provided to patients in an efficient manner.
2. OPNO number receipt is issued instantly when patient apply for OP receipt.
3. Enquiry details about the drugs are to be maintained in the proper way etc.
4. Daily records are maintained such that the drugs are taken from the MAIN STORES are dispatched in the proper way.
5. Each and every patient record should be maintained in systematic manner so that the searching process will be easy.

SYSTEM ANALYSIS

• EXISTING SYSTEM

Under manual system, you have to first wait in line to take appointment for the doctors and wait for your time to have meet with them and discuss on your health problems. People have to face many difficulties in this situation as they have to travel long distances to take appointments and wait for long time to meet doctors. Sometimes people are unable to meet doctors because of long queue of patients waiting before them.

- In existing e-Healthcare systems has focused on record keeping and databases.
- It has also focused on access and security for recording and communicating healthcare information
- Human errors are more by exploiting electronic communication and record keeping.

• PROPOSED SYSTEM

- This system aims to reduce human errors by exploiting electronic communication and record keeping, and by providing user-friendly input and output capabilities.
- Modern technology is use to expose the functionality of our e-healthcare system as Web Services based on the Service Oriented Architecture, so that both humans and applications can use the services provided.
- It provides services that involve patients, physicians, nurses and pharmacists as well as medical monitoring devices, whereas their framework focuses specifically on the use of medical monitoring devices.
- In order to overcome the drawbacks in existing system, this system has been developed for online appointment of doctors. The proposed system is a web-based application which is available all the time.

- The system consists of three actors and they are Admin, Patients or Users and Doctors, Admin are the super user that maintains overall record of patients and doctors, Users can register themselves to the system which is validated by admin and then they can access the facilities provided by system. Doctors can also register themselves to system which is further validated by admin.
- Patients can also know which doctor is best in particular field in any location which helps to get proper treatments and health support.

• ADVANTAGES OF PROPOSED SYSTEM

- **Better User Interface:**
  The proposed system is user friendly because the retrieval and storing of data is fast and data is maintained efficiently. Moreover, the graphical user interface is provided in the proposed system, which provides user to deal with the system very easily.

- **Online appointments:**
  Users can easily search available doctors and take appointments online without visiting them.

- **Less paper work required:**
  The proposed system requires very less paper work. All the data is stored into the computer immediately. Moreover, work becomes very easy because there is no need to keep data on papers.

- **Easy analysis of data**:
  Storing and retrieving of information is easy. This results in fast processing of data.

CHAPTER:- IV

FEASIBILITY STUDY

The feasibility of the project is analyzed in this phase and business proposal is put forth with a very general plan for the project and some cost estimates. During system analysis the feasibility study of the proposed system is to be carried out. This is to ensure that the proposed system is not a burden to the company. For feasibility analysis, some understanding of the major requirements for the system is essential. Three key considerations involved in the feasibility analysis are:

• **Economic Feasibility**:
This study is carried out to check the economic impact will have on the system will have on the organization. The amount of fund that the company can pour into the research and development of the system is limited. The expenditures must be justified. Thus, the developed system as well within the budget and this was achieved because most of the technologies used are freely available. Only the customized products have to be purchased.

• **Technical Feasibility:**
This study is carried out to check the technical feasibility, that is, the technical requirements of the system. Any system developed must not have a high demand on the available technical resources. This will lead to high demands being placed on the client. The developed system must have a modest requirement, as only minimal or null changes for the implementing this system.

• **Operational Feasibility:**
The aspect of study is to check the level of acceptance of the system by the user. This includes the process of training the user to use the system efficiently. The user must not feel threatened by the system, instead must accept it as a necessity.

PROBLEM DEFINITION

This system is designed in the favor of solving health related problem. Under manual system, there are lots of problems because lack of information. A patient if he is unaware about any location or he does not have any knowledge regarding where is the hospital

nearby to him/her and if the person does not have knowledge about the specialized doctors or hospital so in that condition situation may be in critical and it may be happen that due to lack of information regarding all these he has to suffer from colossal loss.

There may be some condition arises when the Patient have to wait in queue for longer time to take appointment of the doctors. People have to face many difficulties in this situation as they have to travel long distances to take appointments and wait for long time to meet doctors. Sometimes people are unable to meet doctors or unable to take appointment because of long queue or he/she can't reach on time due to long distance or do not know the exact time that when the booking for appointment will be going to start.

By using our "HEALTHCARE MANAGEMENT SYSTEM" a web-based application this problem will be resolved with a higher efficiency rate with the help of online appointment and information regarding nearest hospital, doctors in their locality and also info about specialized disease is easily available

"HEALTHCARE MANAGEMENT SYSTEM" web application is supremacy over traditional patterns to finding a doctor and waiting for longer period for appointments to meet a doctor. In this system we are providing easier and informative user interface.
It is a web application so the person who is suffering is able to book his appointments from a remote area. They must have an active internet connection and a basic knowledge of the computer device. In this system there the person is able to find the information about which doctor/Hospital is in his location.

There is also feedback form in which a beneficiary can give their feedback according to their own experience .one more important feature is a doctor can also provide their details from a specific area so that admin is able to verify the Information and add that details to this website so that it helps more patients for their treatment in that specified area.

CHAPTER:- V

SYSTEM REQUIREMENTS

• HARDWARE REQUIREMENTS:

The section of hardware configuration is an important task related to the software development insufficient random-access memory may affect adversely on the speed and efficiency of the entire system. The process should be powerful to handle the entire operations. The hard disk should have sufficient capacity to store the file and application.

Processor	: Dual core and above
Processor speed	: 1.4 GHz Onwards
Cache size	: 512 KB
RAM	: 4 GB (Minimum)
Hard disk	: Minimum (50 GB)
Monitor	: SVGA Color 15”

• SOFTWARE REQUIREMENTS

A major element in building a system is the section of compatible software since the software in the market is experiencing in geometric progression. Selected software should be acceptable by the firm and one user as well as it should be feasible for the system. This document gives a detailed description of the software requirement specification. The study of requirement specification is focused specially on the functioning of the system. It allow the developer or analyst to understand the system, function to be carried out the performance level to be obtained and corresponding interfaces to be established.

Front end tool	: JSP, HTML, CSS as scripting language
Backend	: JAVA(Servlet), MY-SQL
Operating system	: Windows 7-10
Client Side	: HTML, CSS, JSP
IDE	: Eclipse, NetBeans

• **DESIGN CONSTRAINTS:**

This Health Center Management System require huge resources as Hundreds of the patients will require the services instantly, quick response time are needed. The database should also be very large and robust to maintain very huge patients and drugs data.

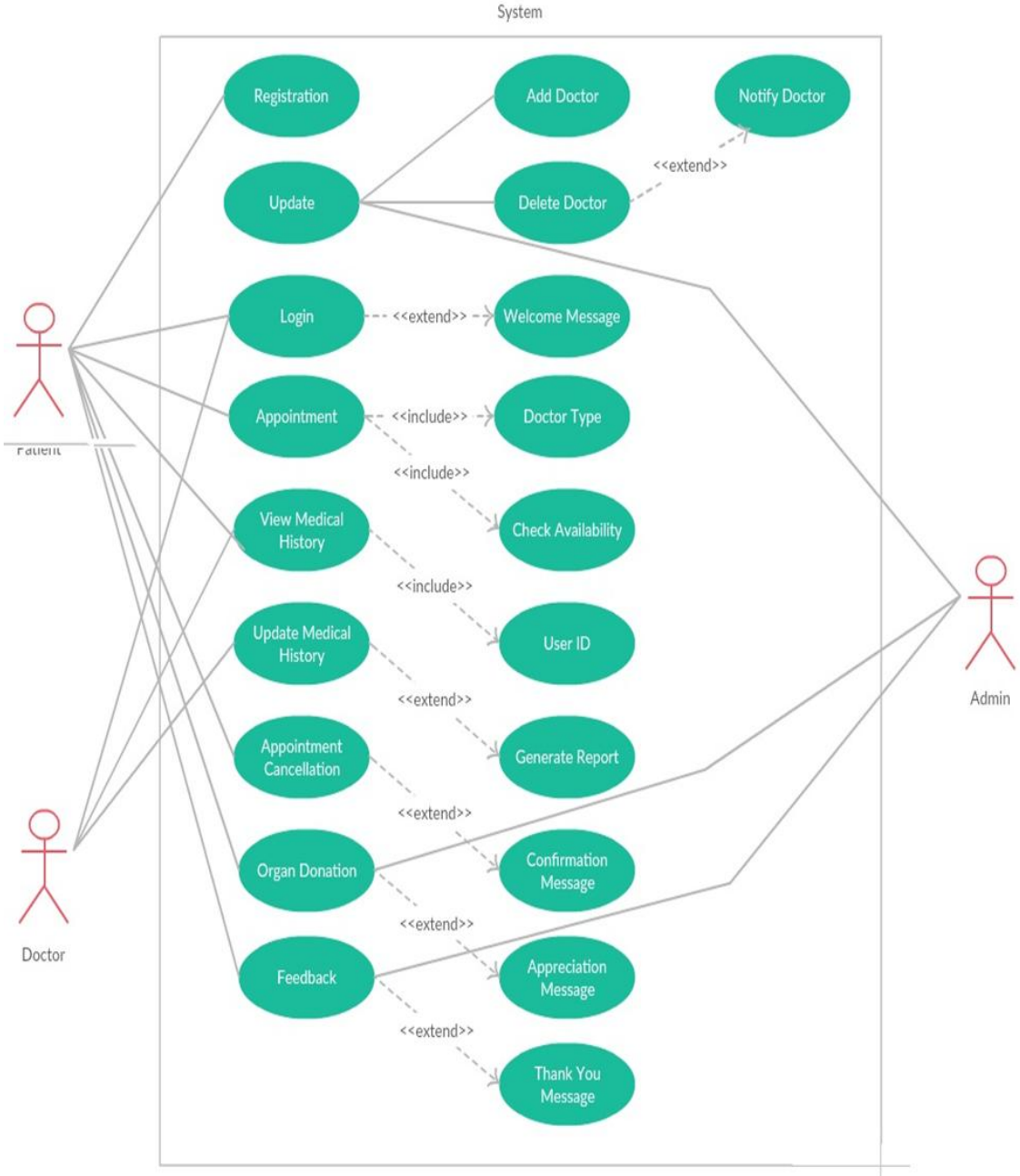
• **SYSTEM FEATURES:**

A distributed e-healthcare system can help solve this conundrum. Medical monitoring devices worn by the patient, and frequent electronic communication between the patient and a nurse, can ensure that the prescribed treatment is being followed and that the patient is making good progress.

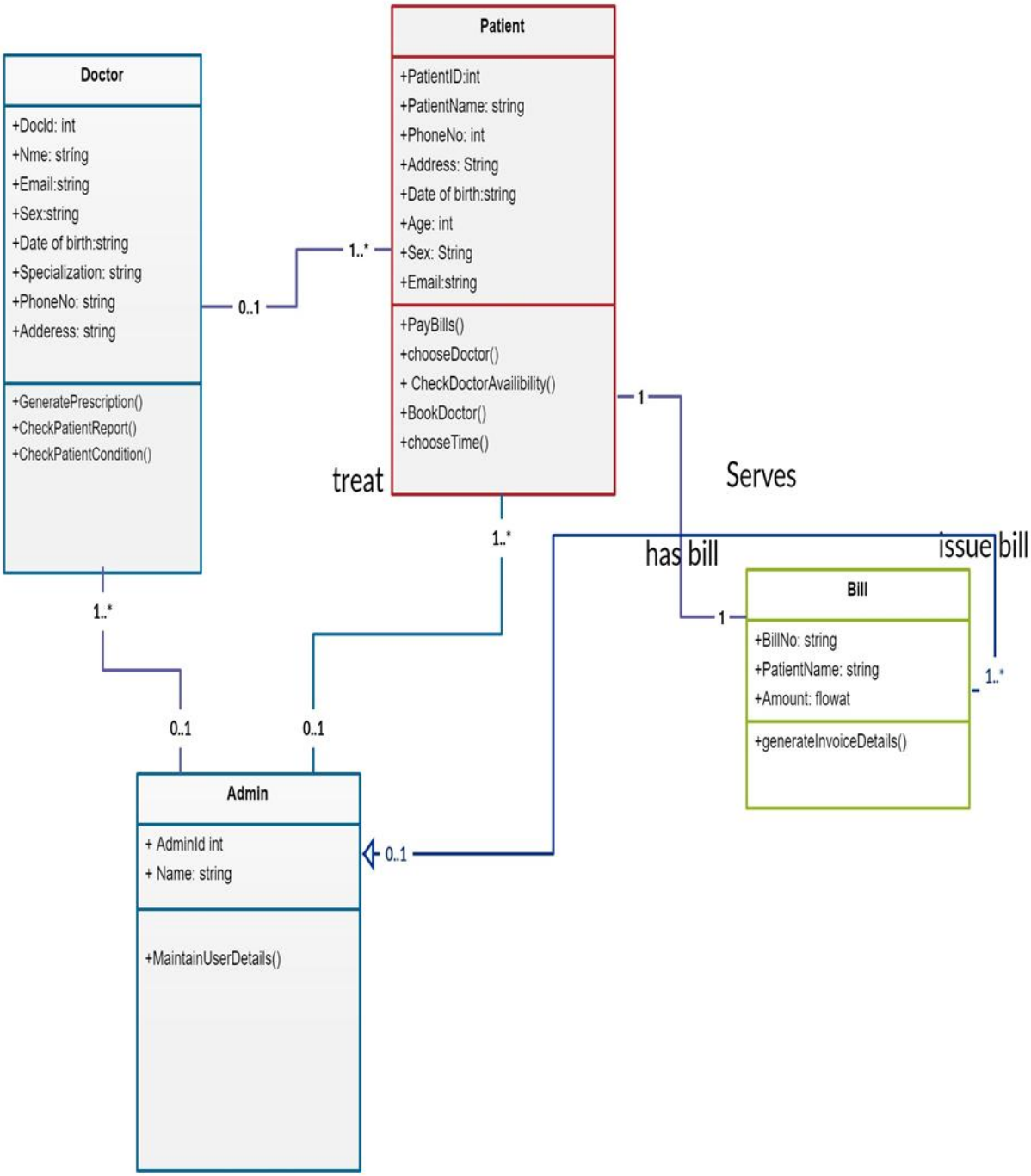
CHAPTER:- VI

SYSTEM OVERVIEW

• USE CASE DIAGRAM:

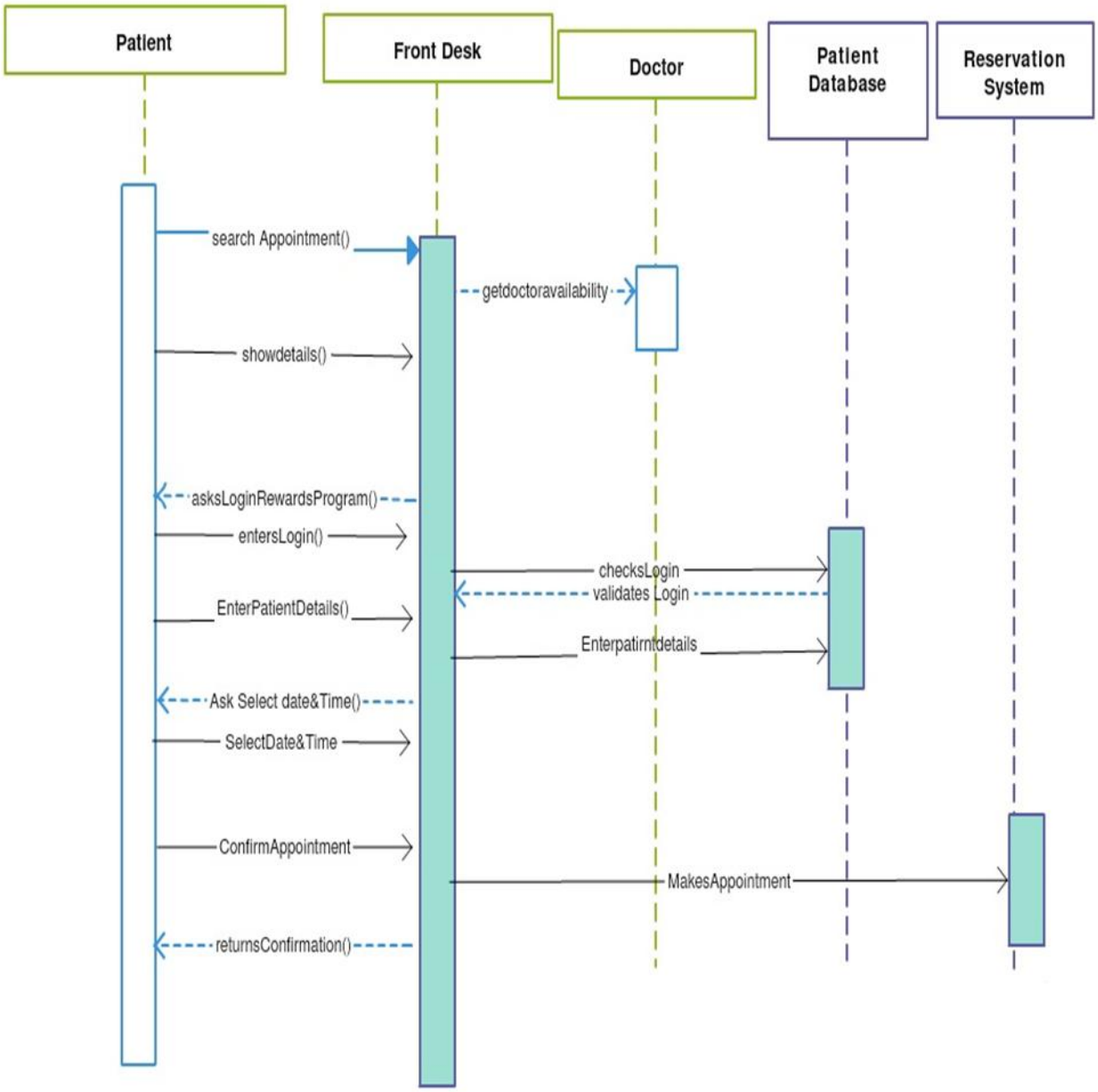


- **CLASS DIAGRAM:**

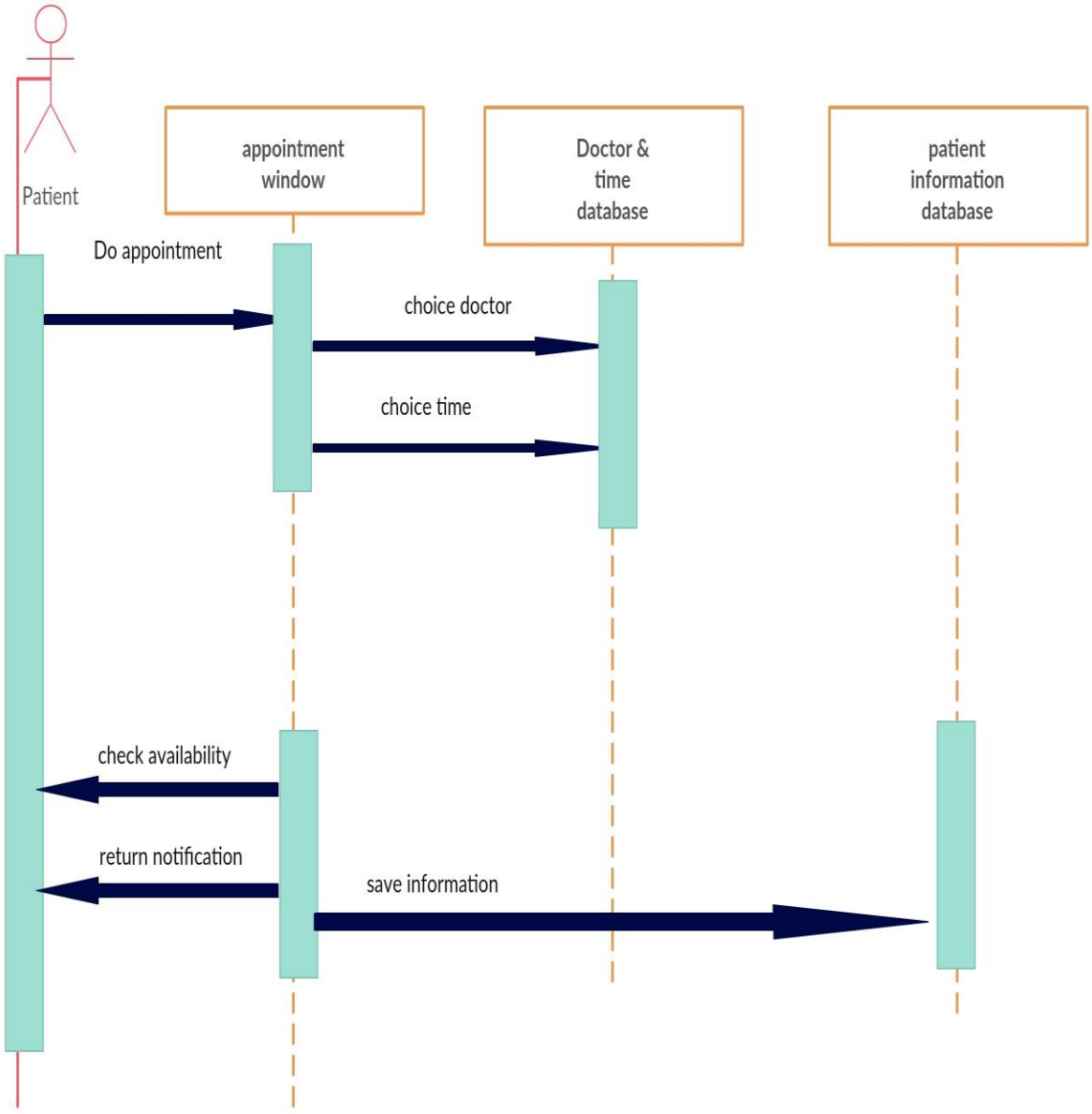


- **SEQUENCE DIAGRAM**

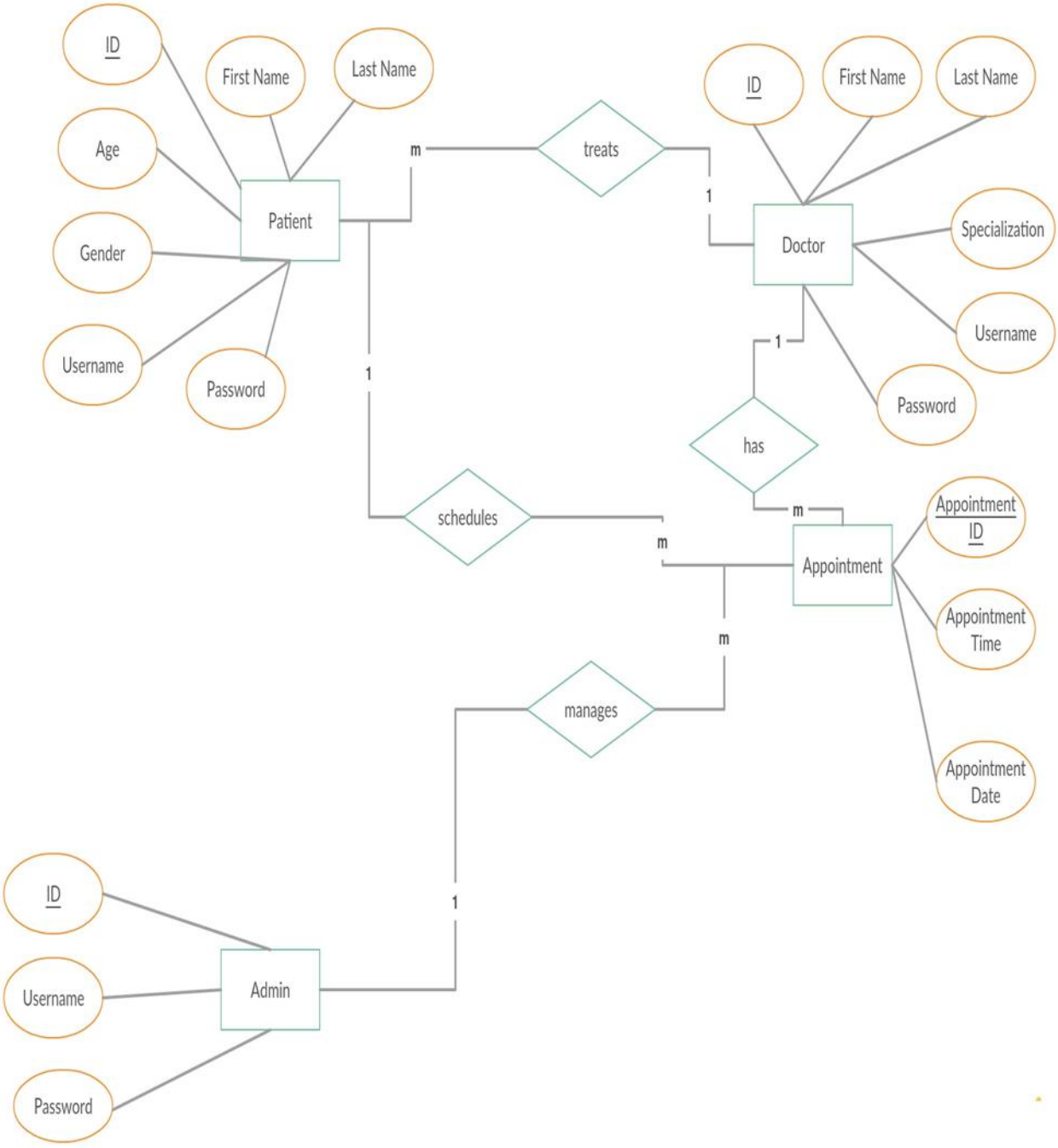
(1):



- **SEQUENCE DIAGRAM (2):**



- **ER DIAGRAM:**


ID
First Name
Last Name
Age
Gender
Username
Password
Patient
m
treats
1
ID
First Name
Last Name
Doctor
Specialization
Username
Password
1
has
m
schedules
1
m
Appointment
Appointment ID
Appointment Time
Appointment Date
m
manages
1
ID
Username
Password
Admin

• USE CASE DEFINITION AND DIAGRAM:

A use case diagram at its simplest is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved. A use case diagram can identify the different types of users of a system and the different use cases and will often be accompanied by other types of diagrams as well. The purpose of use case diagram is to capture the dynamic aspect of a system. However, this definition is too generic to describe the purpose, as other four diagrams (activity, sequence, collaboration, and State chart) also have the same purpose. We will look into some specific purpose, which will distinguish it from other four diagrams. Use case diagrams are used to gather the requirements of a system including internal and external aspects. These requirements are mostly design requirements. Hence, when a system is analyzed to gather its functionalities, use cases are prepared and actors are identified. When the initial task is complete, use case diagrams are modelled to present the outside view.

• Purpose of Use Case Diagrams:

The purpose of use case diagram is to capture the dynamic aspect of a system. However, this definition is too generic to describe the purpose, as other four diagrams (activity, sequence, collaboration, and state chart) also have the same purpose. We will look into some specific purpose, which will distinguish it from other four diagrams.

Use case diagrams are used to gather the requirements of a system including internal and external influences. These requirements are mostly design requirements. Hence, when a system is analyzed to gather its functionalities, use cases are prepared and actors are identified.

When the initial task is complete, use case diagrams are modelled to present the outside view.

In brief, the purposes of use case diagrams can be said to be as follows –

- Used to gather the requirements of a system.
- Used to get an outside view of a system.
- Identify the external and internal factors influencing the system.

• **Use case Symbols:**

- Shows the interaction among the actors of system

Actor specifies a role played by a user or any other system that interacts with the subject.

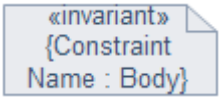
- Use case is a list of steps, typically defining interactions between an actor and a system, to achieve a goal.

- Package is used to group elements, and to provide a namespace for the grouped elements.

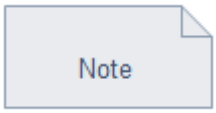
- Objects are model elements that represent instances of a class or of classes.

- Interfaces are model elements that define sets of operations that other model elements, such as classes, or components must implement.

- Constraint is an extension mechanism that enables you to refine the semantics of a UML model element.



- **Note:** contains comments or textual information.



CHAPTER:-VII

• MODULE DESCRIPTION:

The system is proposed to have the following modules along with the functional requirements.

• ADMINISTRATOR MODULE:

Administrator should login with email id and password to maintain and update all details of system. Administrator can add or delete doctors in system. Administrator is responsible for verifying doctor credentials before adding them in system. Administrator is also responsible for maintaining all patient and doctor records. Administrator can view all doctors, patients and also feedback provided by the patients using the system.

• DOCTOR MODULE:

A doctor must register with the system through admin. Doctors can manage or update their profiles. Doctors can view their current appointments to patients, e-prescriptions, and view patient's history. Doctor can also cancel any appointment of their patients.

• APPOINTMENT & FEEDBACK MODULE:

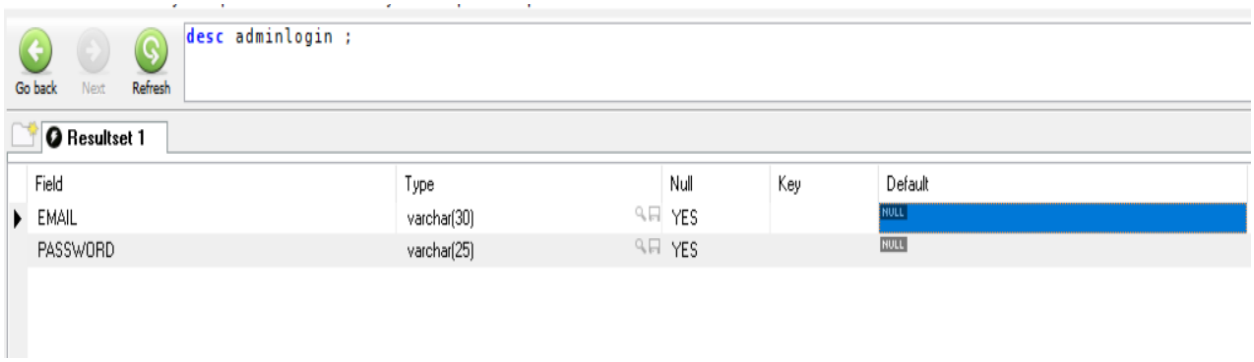
- **APPOINTMENT:**
  module allows patients to search doctors in the particular location and book appointments to them. Patients can also view their previous appointments records

- **FEEDBACK:**
  module allows patients to send their feedback to system so that admin can improve system according to feedbacks received.

CHAPTER:- VIII

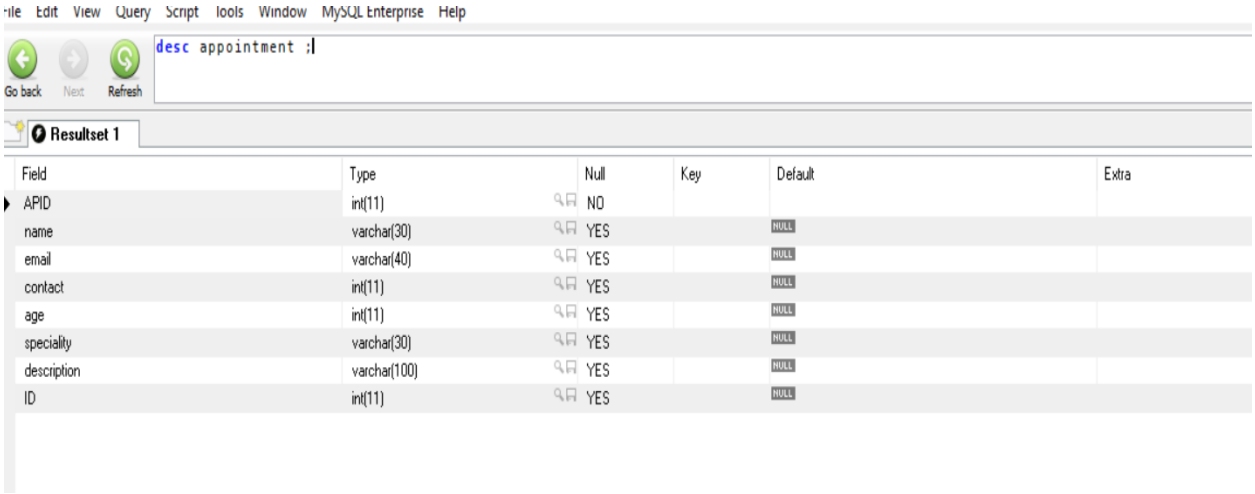
DATABASE STRUCTURE

• ADMIN LOGIN:



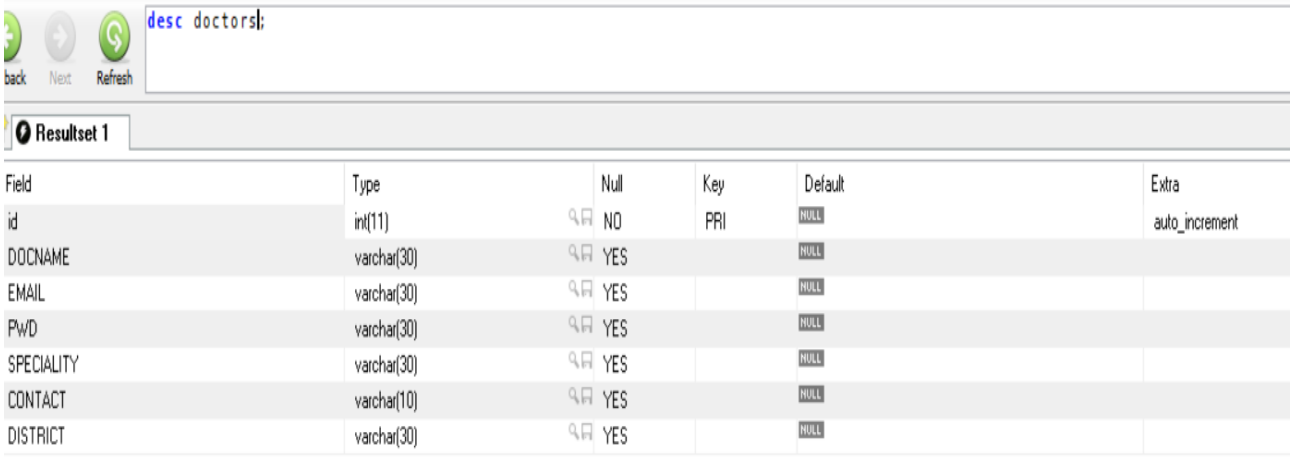
Field	Type	Null	Key	Default
EMAIL	varchar(30)	YES		NULL
PASSWORD	varchar(25)	YES		NULL

• APPOINTMENT:



Field	Type	Null	Key	Default	Extra
APID	int(11)	NO			
name	varchar(30)	YES		NULL	
email	varchar(40)	YES		NULL	
contact	int(11)	YES		NULL	
age	int(11)	YES		NULL	
speciality	varchar(30)	YES		NULL	
description	varchar(100)	YES		NULL	
ID	int(11)	YES		NULL	

• **DOCTOR:**

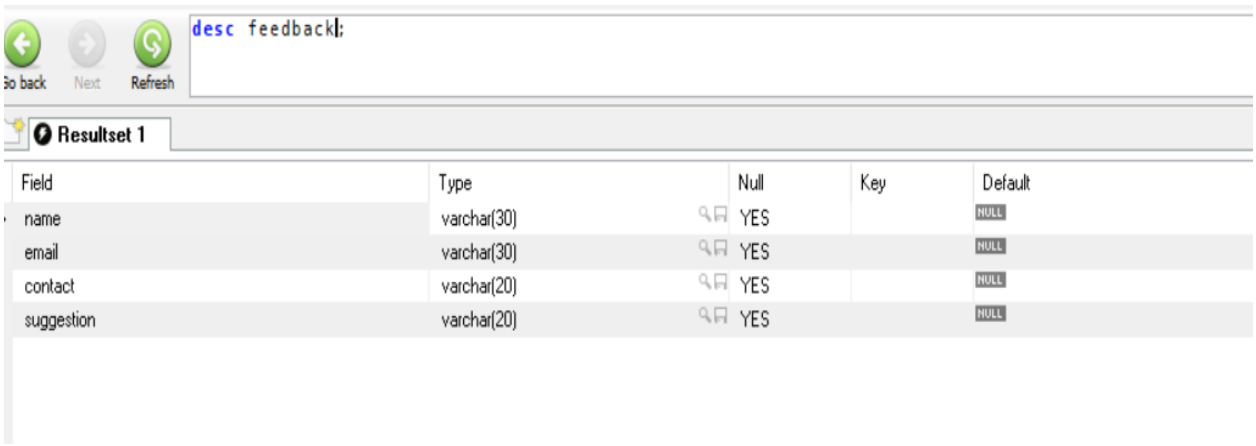


```
desc doctors;
```

Resultset 1

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
DOCNAME	varchar(30)	YES		NULL	
EMAIL	varchar(30)	YES		NULL	
PWD	varchar(30)	YES		NULL	
SPECIALITY	varchar(30)	YES		NULL	
CONTACT	varchar(10)	YES		NULL	
DISTRICT	varchar(30)	YES		NULL	

• **FEEDBACK:**

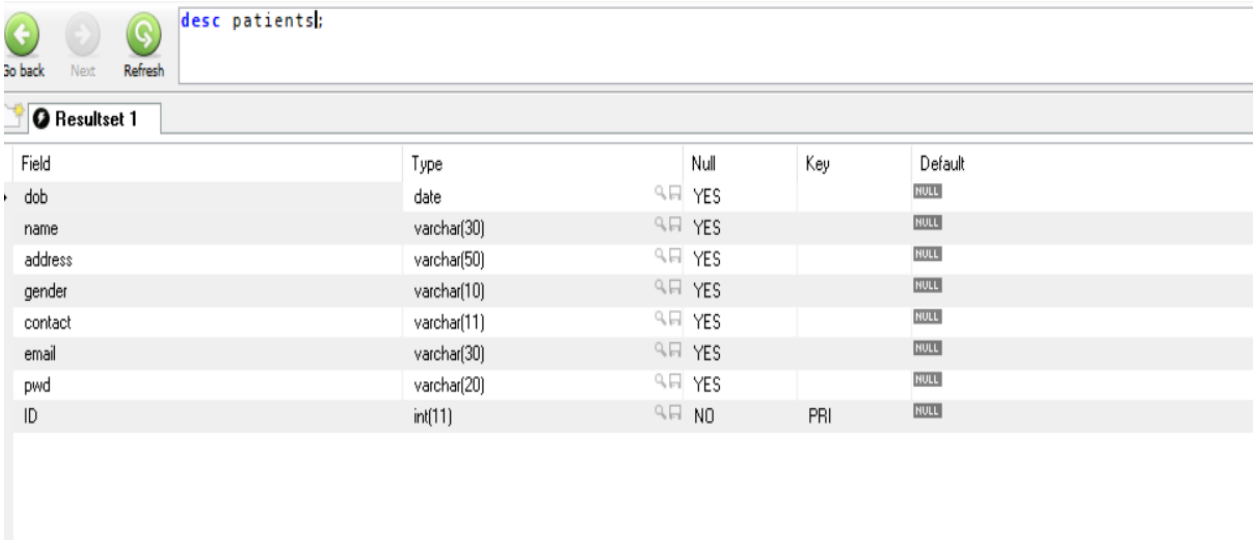


```
desc feedback;
```

Resultset 1

Field	Type	Null	Key	Default
name	varchar(30)	YES		NULL
email	varchar(30)	YES		NULL
contact	varchar(20)	YES		NULL
suggestion	varchar(20)	YES		NULL

• **PATIENTS:**



Field	Type	Null	Key	Default
dob	date	YES		NULL
name	varchar(30)	YES		NULL
address	varchar(50)	YES		NULL
gender	varchar(10)	YES		NULL
contact	varchar(11)	YES		NULL
email	varchar(30)	YES		NULL
pwd	varchar(20)	YES		NULL
ID	int(11)	NO	PRI	NULL

CHAPTER:- IX

SYSTEM IMPLEMENTATION AND TESTING

• SYSTEM IMPLEMENTATION:

Implementation is the stage in the project where the theoretical design is turned into a working system and is giving confidence on the new system for the users that it will work efficiently and effectively. It involves careful planning, investigation of the current system and its constraints on implementation, design of methods to achieve the changeover, an evaluation of change over methods.

Apart from planning major task of preparing the implementation are education and training of users. The implementation process begins with preparing a plan for the implementation of the system. According to this plan, the activities are to be carried out, discussions made regarding the equipment and resources and the additional equipment has to be acquired to implement the new system. In network backup system no additional resources are needed. Implementation is the final and the most important phase. The most critical stage in achieving a successful new system is giving the users confidence that the new system will work and be effective. The system can be implemented only after thorough testing is done and if it is found to be working according to the specification. This method also offers the greatest security since the old system can take over the errors are found or inability to handle certain type of transactions while using the new system.

• SYSTEM TESTING:

As the part of system testing, we execute the program with the intent of finding errors and missing operations and also a complete verification to determine whether the objectives are met and the user requirements are satisfied. The ultimate aim is quality assurance. Tests are carried out and the results are compared with the expected document. In the case of erroneous results, debugging is done. Using detailed testing strategies, a test plan is carried out on each module. The various tests performed are unit testing, integration testing and user acceptance testing

• **UNIT TESTING:**

. The software units in the system are modules and routines that are assembled and integrated to perform a specific function. As a part of unit testing, we executed the program for individual modules independently. This enables, to detect errors in coding and logic that are contained within each of the three modules. This testing includes entering data that is filling forms and ascertaining if the value matches to the type and entered into the database. The various controls are tested to ensure that each performs its action as required

• **INTEGRATION TESTING:**

Data can be lost across any interface, one module can have an adverse effect on another, sub functions when combined, may not produce the desired major functions. Integration testing is a systematic testing to discover errors associated within the interface. The objective is to take unit tested modules and build a program structure. All the modules are combined and tested as a whole. Here the admin module, doctor module and patient module options are integrated and tested. This testing provides the assurance that the application is well integrated functional unit with smooth transition of data.

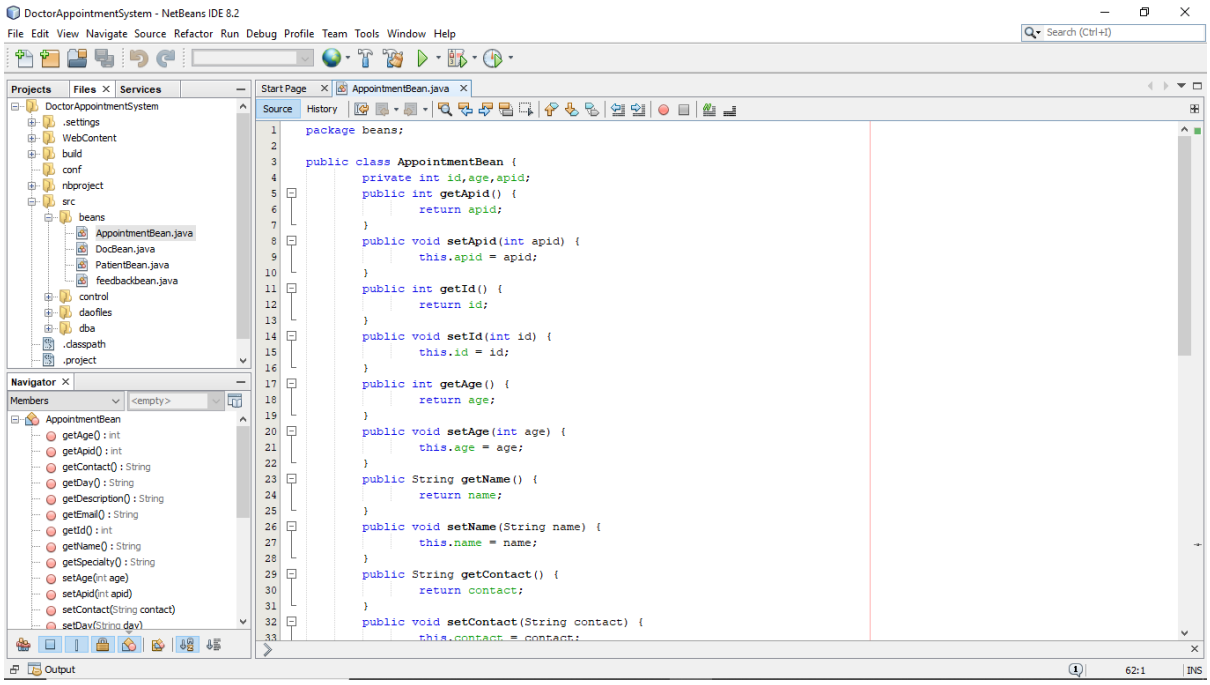
• **VALIDATION TESTING:**

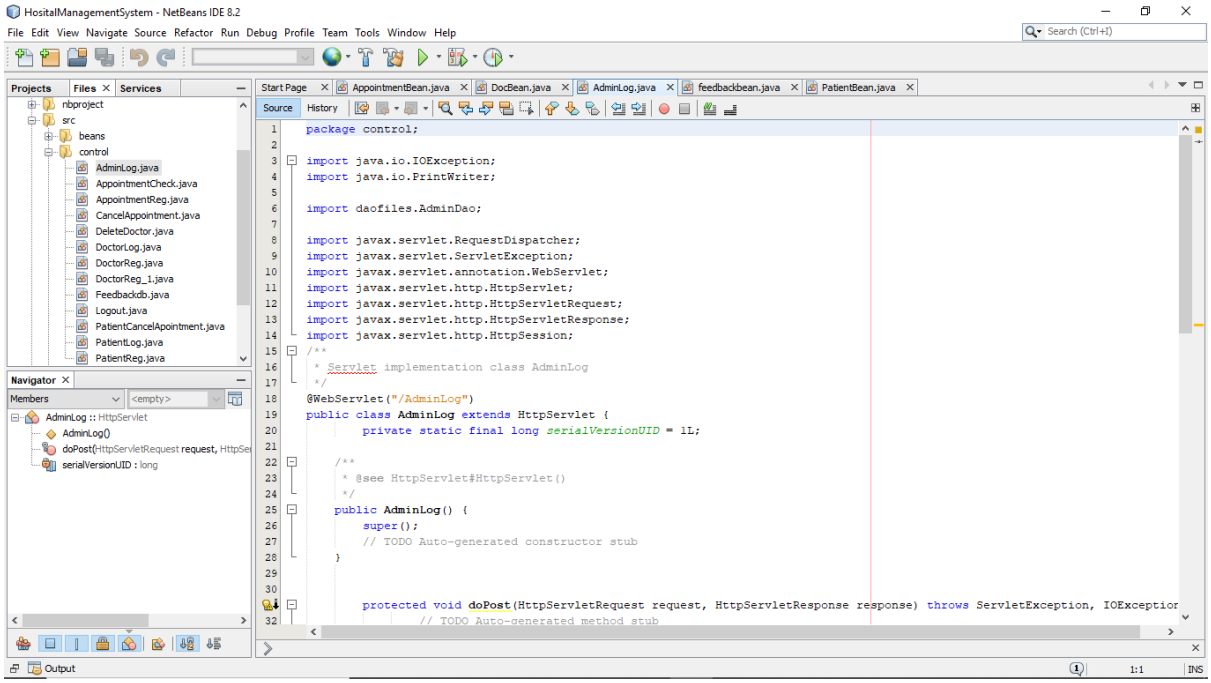
The process of evaluating software during the development process or at the end of the development process to determine whether it satisfies specified business requirements. Testing ensures that the product actually meets the client's needs. It can also be defined as to demonstrate that the product fulfills its intended use when deployed on appropriate environment.

- Validation is the process of evaluating software at the end of the development process to determine whether software meets the customer expectations and requirements.
- Execution of code is coming under Validation.
- Validation activity is carried out just after the Verification.
- It determines whether the software is fit for use and satisfies the business need.
- Includes all the dynamic testing techniques.
- It is basically checking of developed program based on the requirement specifications documents & files.

CHAPTER:- X

12. CODE SNIIPPETS




HositalManagementSystem - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
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Projects
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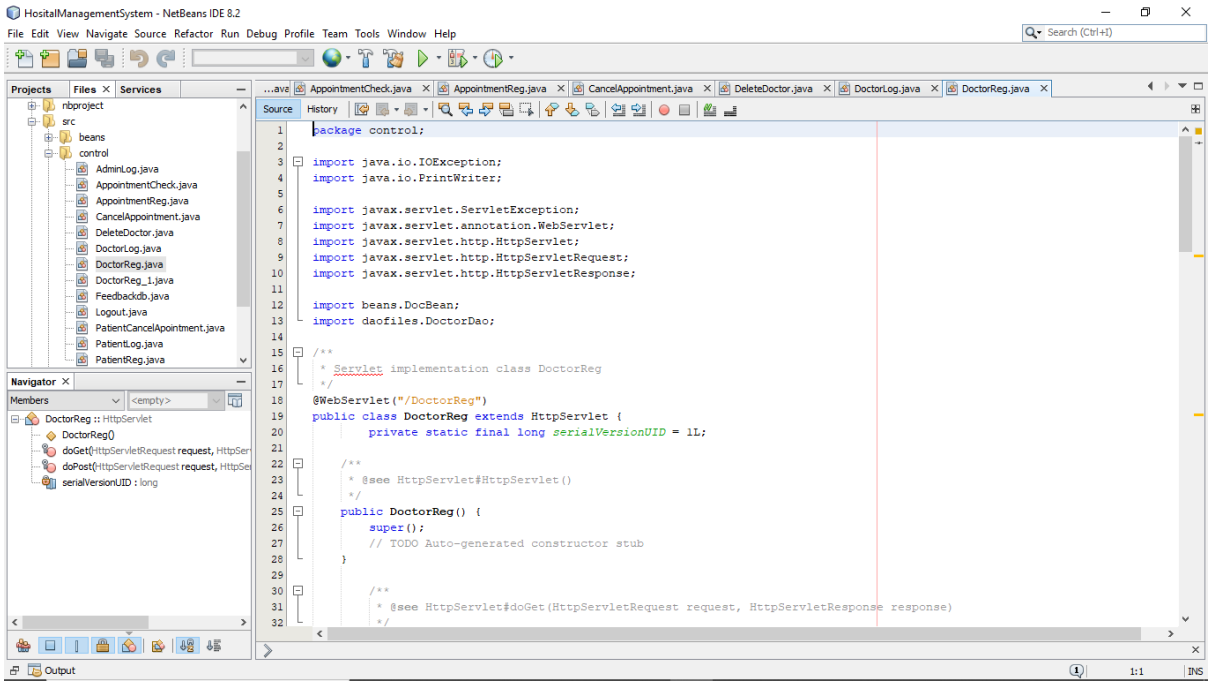
Services
nbproject
src
beans
control
AdminLog.java
AppointmentCheck.java
AppointmentReg.java
CancelAppointment.java
DeleteDoctor.java
DoctorLog.java
DoctorReg.java
DoctorReg_1.java
Feedbackdb.java
Logout.java
PatientCancelApointment.java
PatientLog.java
PatientReg.java
Navigator
Members
<empty>
AdminLog :: HttpServlet
AdminLog()
doPost(HttpServletRequest request, HttpSe
serialVersionUID : long
Start Page
AppointmentBean.java
DocBean.java
AdminLog.java
feedbackbean.java
PatientBean.java
Source
History
1 package control;
2
3 import java.io.IOException;
4 import java.io.PrintWriter;
5
6 import daofiles.AdminDao;
7
8 import javax.servlet.RequestDispatcher;
9 import javax.servlet.ServletException;
10 import javax.servlet.annotation.WebServlet;
11 import javax.servlet.http.HttpServlet;
12 import javax.servlet.http.HttpServletRequest;
13 import javax.servlet.http.HttpServletResponse;
14 import javax.servlet.http.HttpSession;
15 /**
16 * Servlet implementation class AdminLog
17 */
18 @WebServlet("/AdminLog")
19 public class AdminLog extends HttpServlet {
20 private static final long serialVersionUID = 1L;
21
22 /**
23 * @see HttpServlet#HttpServlet()
24 */
25 public AdminLog() {
26 super();
27 // TODO Auto-generated constructor stub
28 }
29
30
32 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOExceptior
// TODO Auto-generated method stub
Output
1:1
INS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Logout.java
PatientCancelApointment.java
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Members
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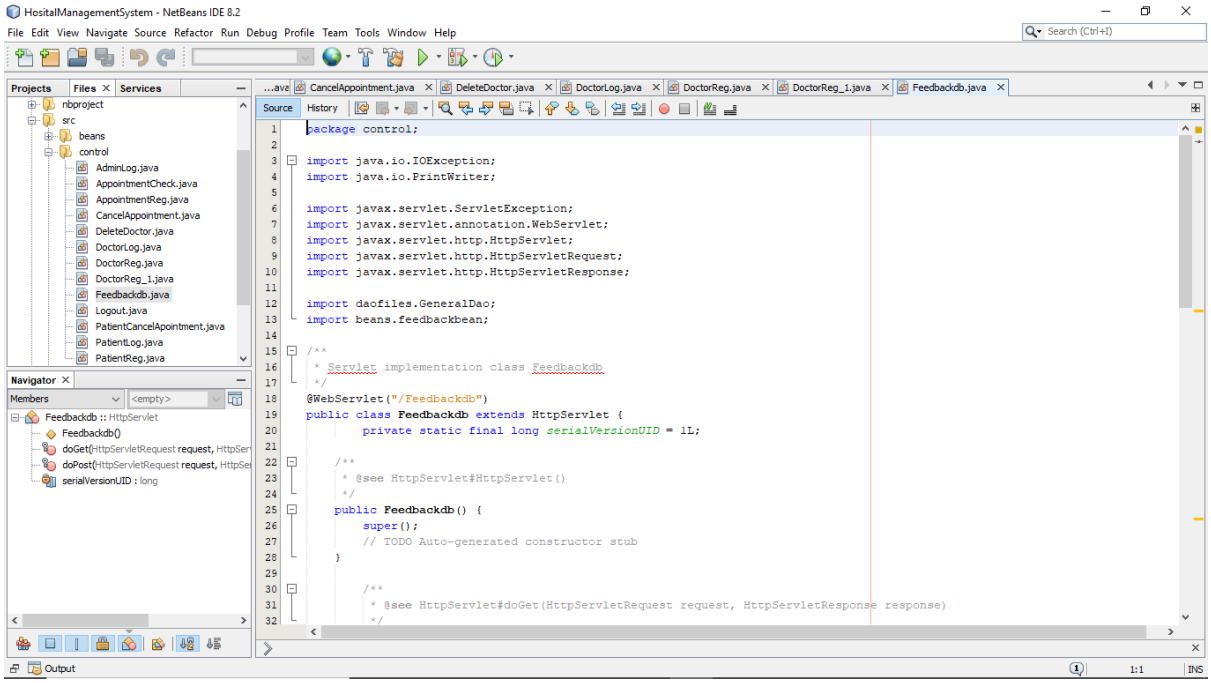
doPost(HttpServletRequest request, HttpSe
serialVersionUID : long
...ave
AppointmentCheck.java
AppointmentReg.java
CancelAppointment.java
DeleteDoctor.java
DoctorLog.java
DoctorReg.java
Source
History
1 package control;
2
3 import java.io.IOException;
4 import java.io.PrintWriter;
5
6 import javax.servlet.ServletException;
7 import javax.servlet.annotation.WebServlet;
8 import javax.servlet.http.HttpServlet;
9 import javax.servlet.http.HttpServletRequest;
10 import javax.servlet.http.HttpServletResponse;
11
12 import beans.DocBean;
13 import daofiles.DoctorDao;
14
15 /**
16 * Servlet implementation class DoctorReg
17 */
18 @WebServlet("/DoctorReg")
19 public class DoctorReg extends HttpServlet {
20 private static final long serialVersionUID = 1L;
21
22 /**
23 * @see HttpServlet#HttpServlet()
24 */
25 public DoctorReg() {
26 super();
27 // TODO Auto-generated constructor stub
28 }
29
30 /**
31 * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
32 */
Output
1:1
INS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Feedbackdb :: HttpServlet
Feedbackdb()
doGet(HttpServletRequest request, HttpSer
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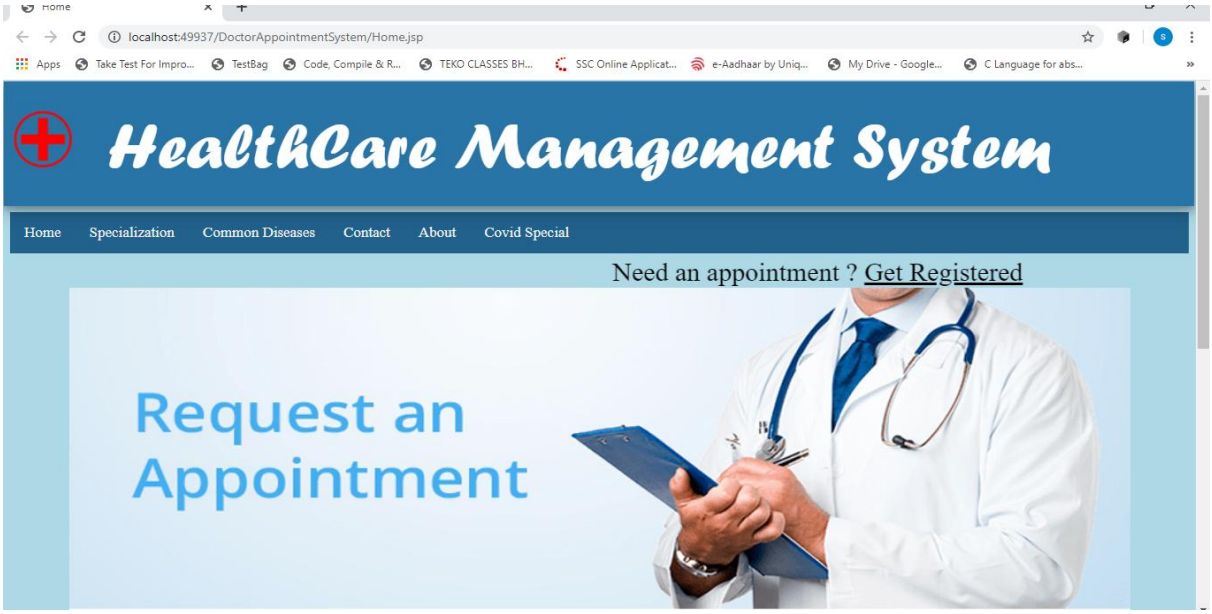
History
1 package control;
2
3 import java.io.IOException;
4 import java.io.PrintWriter;
5
6 import javax.servlet.ServletException;
7 import javax.servlet.annotation.WebServlet;
8 import javax.servlet.http.HttpServlet;
9 import javax.servlet.http.HttpServletRequest;
10 import javax.servlet.http.HttpServletResponse;
11
12 import daofiles.GeneralDao;
13 import beans.feedbackbean;
14
15 /**
16 * Servlet implementation class Feedbackdb
17 */
18 @WebServlet("/Feedbackdb")
19 public class Feedbackdb extends HttpServlet {
20 private static final long serialVersionUID = 1L;
21
22 /**
23 * @see HttpServlet#HttpServlet()
24 */
25 public Feedbackdb() {
26 super();
27 // TODO Auto-generated constructor stub
28 }
29
30 /**
31 * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
32 */
Output
1:1
INS

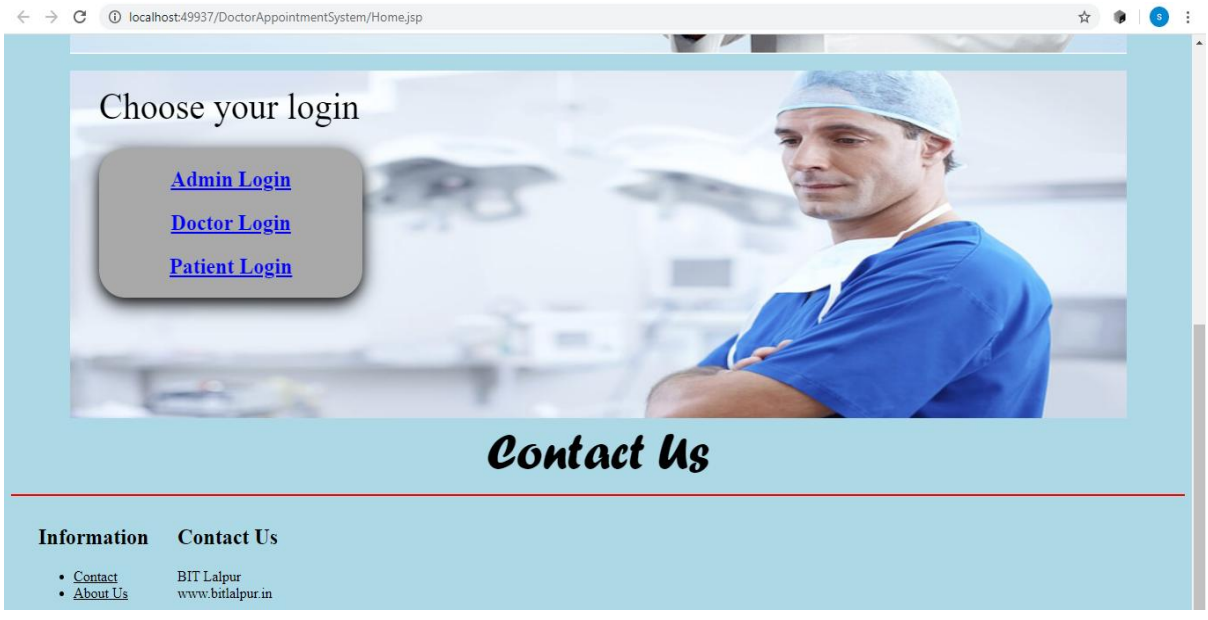
CHAPTER:- XI

SCREENSHOTS

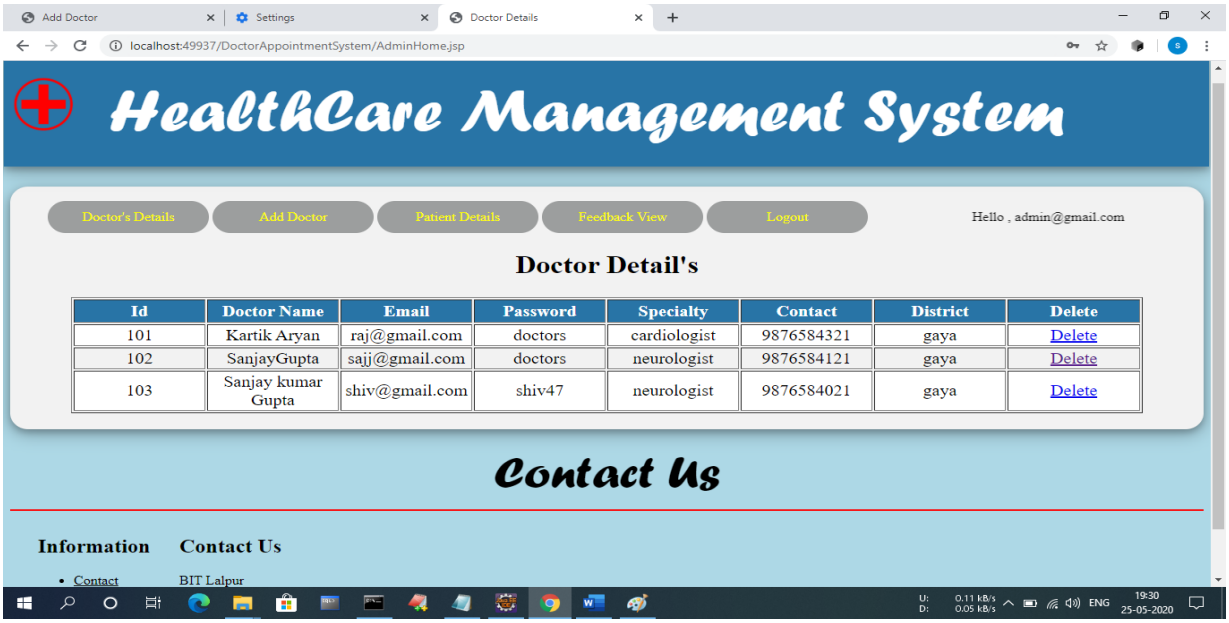
• HOMEPAGE:



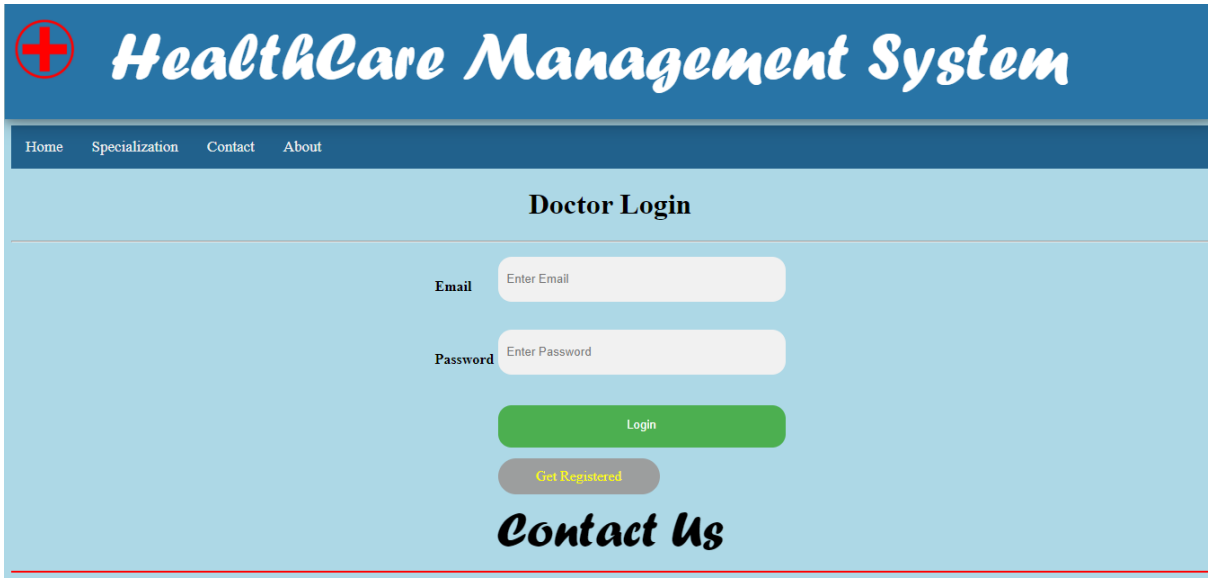
• ADMIN HOMEPAGE:



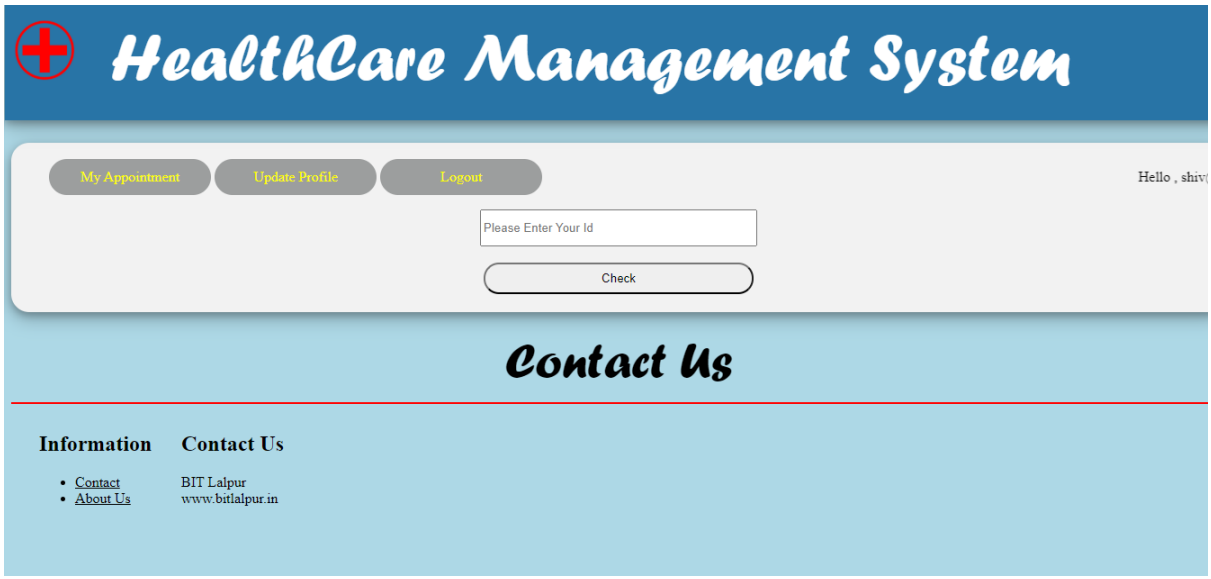
• **DOCTOR DETAILS:**



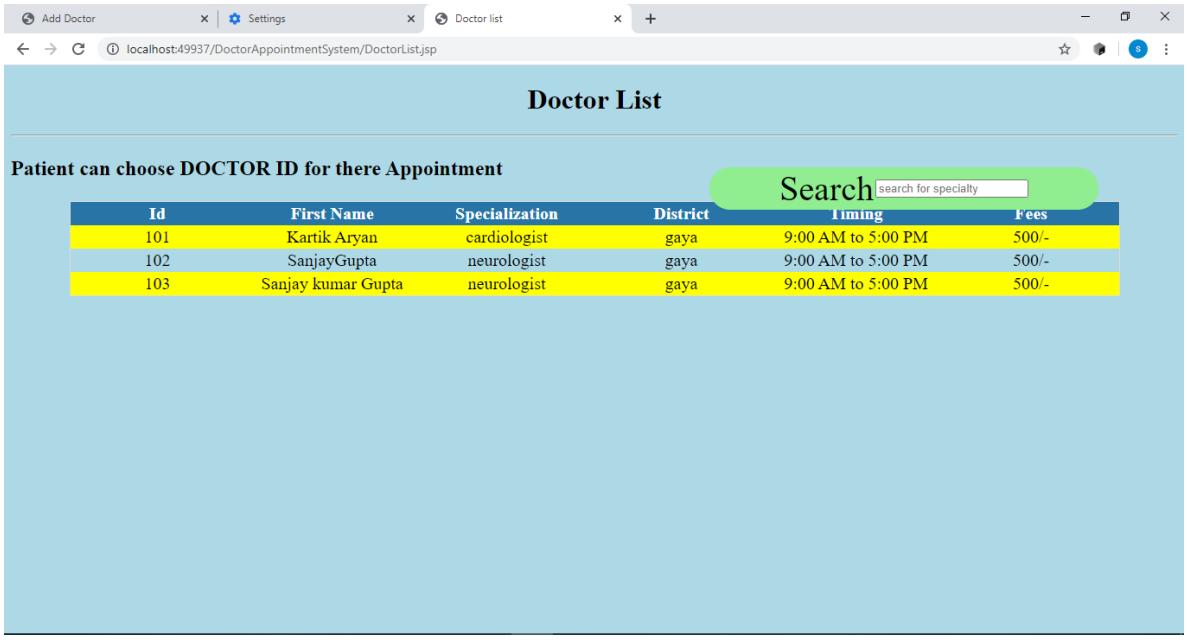
• **DOCTOR LOGIN:**



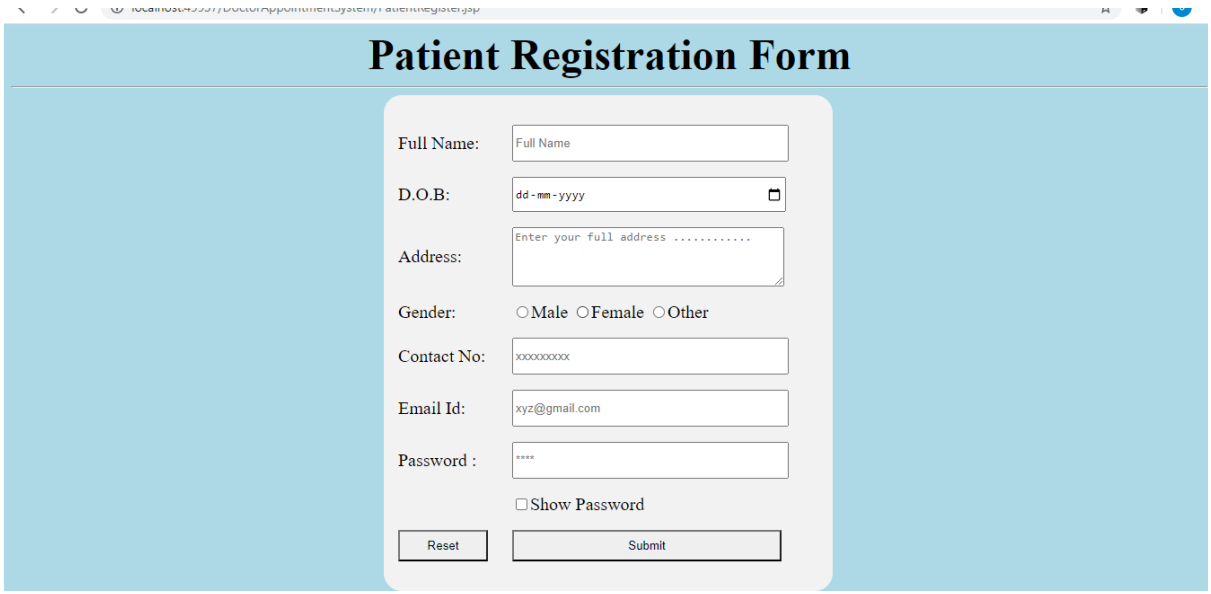
• **DOCTOR HOMEPAGE:**



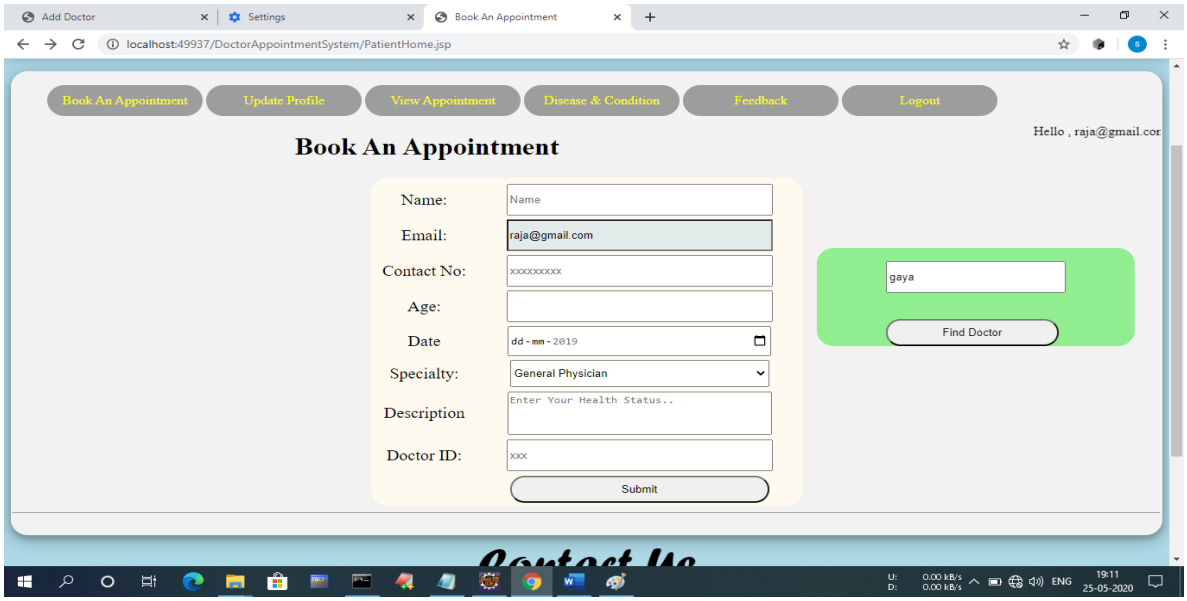
• **DOCTOR LIST:**



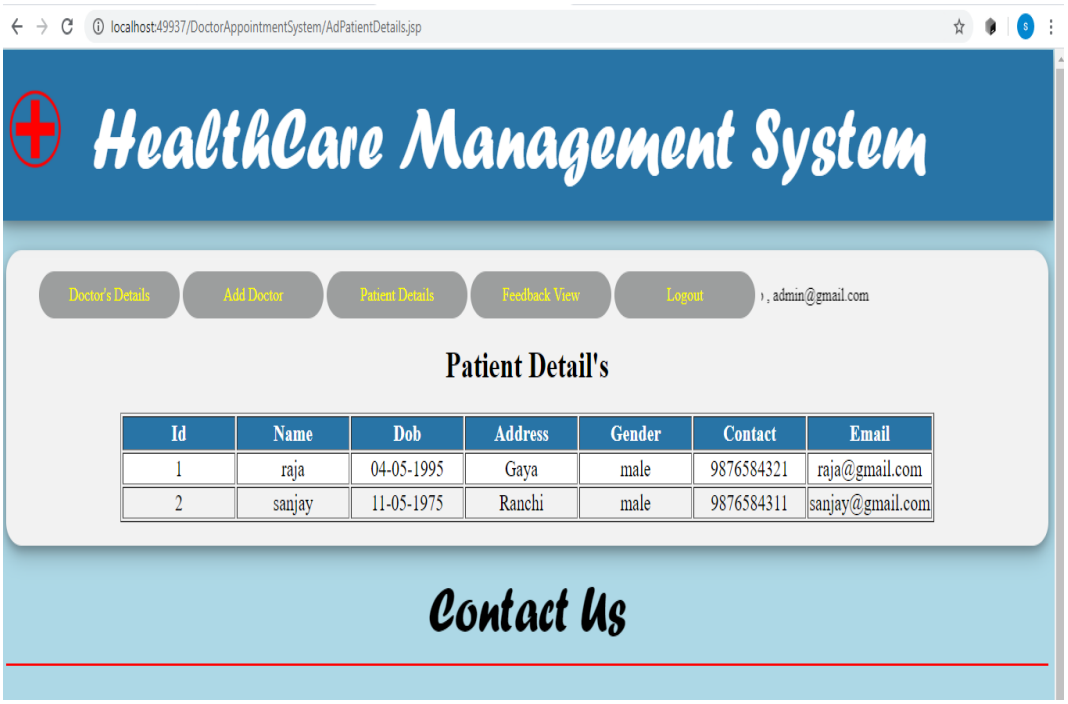
• **PATIENT HOMEPAGE:**



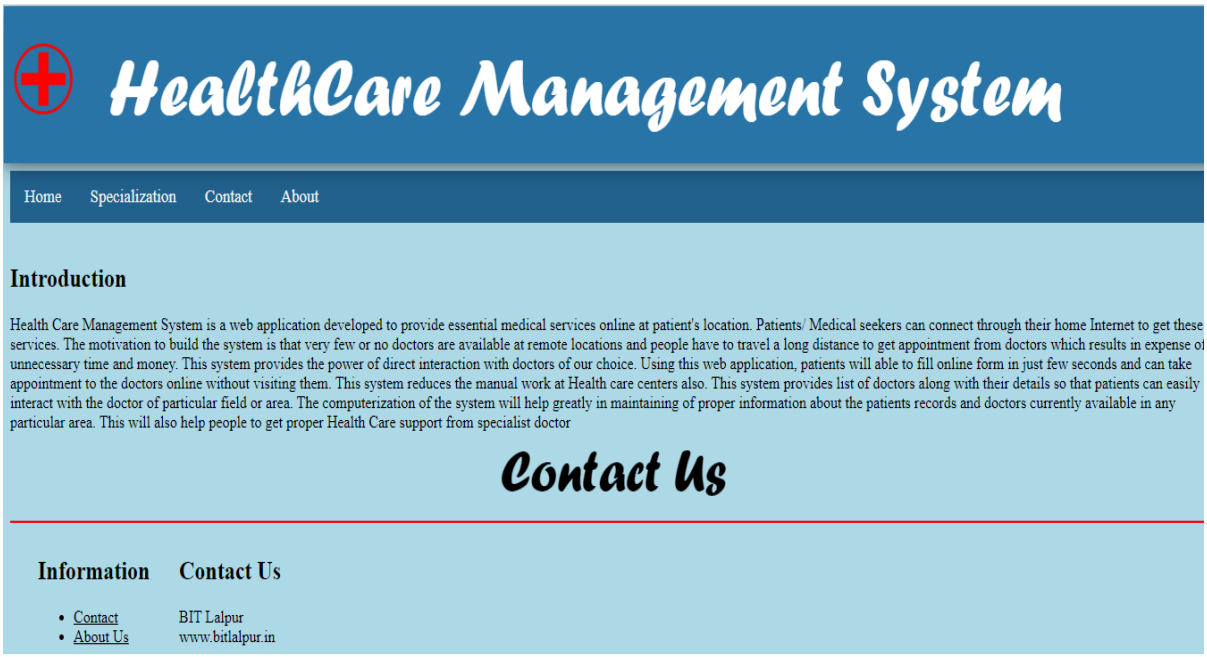
• **BOOK AN APPOINTMENT:**



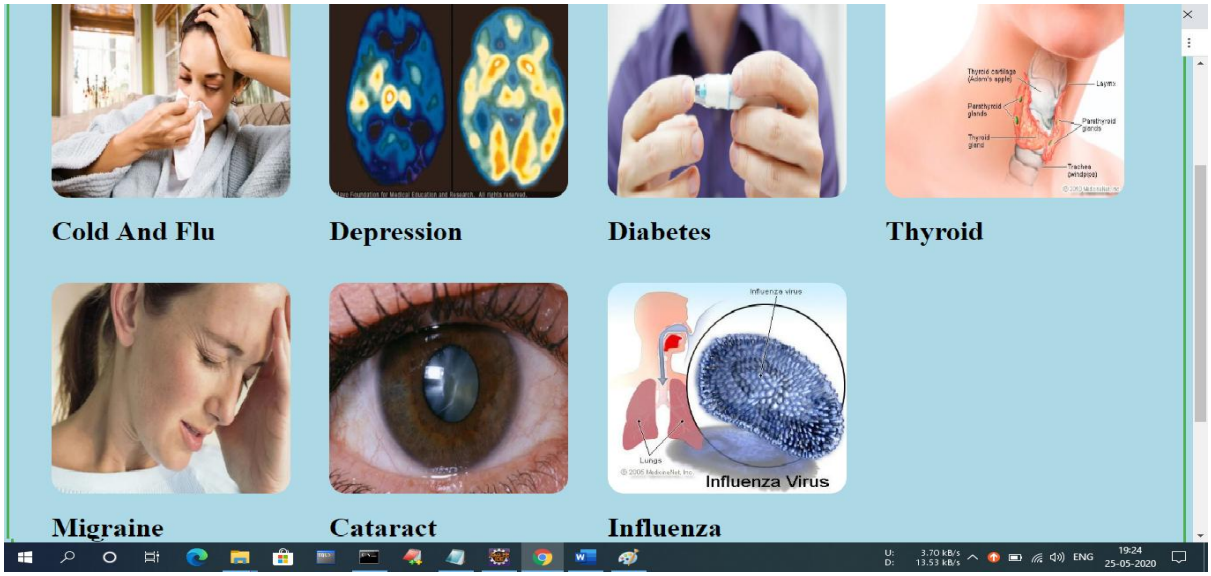
• **PATIENT DETAILS:**



• **ABOUT:**



• **COMMON DISEASE:**



CHAPTER:- XII

CONCLUSION

The whole systems activities are divided into three major parts like patients, doctors, and admin. Each one has their own role to perform and system respond accordingly. Several agents have been created using web services and inter agent communication is done. Ontologies in form of xml are used for storing information. Different ontologies have been created for different purpose. For implementing the system .Net technologies like ASP.Net, C#, jQuery, Ajax, CSS are used. Current Dialog patient conversation and News part are dynamic and it is a part of Content Management System (CMS). Some parts used CMS concept and works exactly like them. In CMS also xml files are used for managing the states and information. In this system ontology plays similar role.

The system comprises of following features:

- Management of Doctors
- Management of Patients
- Management of Schedules of Doctor
- Management of Patients Appointments
- Management of Patient – Doctor Dialogs
- Services supported by hospitals
- Managing Reports
- Feedbacks Management
- Inquiry Management
- Specialty Management
- Searching Information
- Managing useful information in form of News
- Management of Patient‘s previous visit and its information

FUTURE SCOPE

There are also few features which can be integrated with this system to make it more flexible. Below list shows the future points to be consider.

- Directly getting the images for CT Scan or X-Rays from connected device
- Mapped with Insurance Companies for claim processing
- Billing of patient
- Blood Bank Information Management
- Producing ECG using connected device
- Video Conferencing facility for remote areas for treatments
- Hangout for different doctors and patients at different locations

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