

Shree Sāurastra Collage of Management and Computer Science

A Project Report



“Hospital Management System”

Academic Year

2022-2023

Developed By

Agravat Jaimin & Kamliya Divyraj

Project Guide

Bharat Sir

Shree Saurashtra College of MGT. & Computer Science

(College Code : 73001)

Opp. Bhoomi Ginning, Atkot – Jasdan Highway, Atkot – 360040

Certificate

This is to certify that Mr. / Ms.

Agravat Jaimin

And

Kamliya Divyraj

has satisfactorily completed their academic Project work on

Hospital Management System

*as a part of the BCA Semester – 5 Project work prescribed by
the Saurashtra University for the academic year 2022-23.*

Project ID :- 28

Exam Seat No.:- 052540 & 052569

Class :- BCA Sem - 5.

Enrollment No.:- 003203203010 & 003203202940

Project guide

Principles

Project Profile

- ❖ Project Title : Hospital Management System
- ❖ Organization : MatuShri SantokBaa Medical Center
- ❖ Front End Tool : Microsoft Visual Studio 2010
- ❖ Back End Tool : Microsoft SQL server 2008
- ❖ Operating System : Microsoft Window 7
- ❖ Project Team Size : Two
- ❖ Duration: Two Month
- ❖ Developed By :Agravat Jaimin , Kamliya Divyraj
- ❖ Project Guide: Bharat Sir
- ❖ Hardware User :Intel(R) Pentiums(R) Processor
4-GB OF RAM
- ❖ Submitted:Shree Saurashtra Collage of Mgt.&Comp.
Science,Atkot

1. Introduction

1.1 Introduction of our Website

We are making the Website which title is "Hospital Management System". We made this website for the "MatuShri Santokba Medicinal Center".

1.2 Purpose

MatuShri Santokba Hospital is a best mendicity. Well equipped with modern apparatus. All type of treatment and investigations are provided free of charged for at minimum of rates. MatuShri Santokba Hospital is a public hospital located in Lathi, Gujarat.

1.3 Project Scope

User Friendly Website

Users have to register to enter the Project.

We Provide.....

- Best Treatment
- Embulace Service
- Emergency Service
- Blood Bank

2. System Analysis

2.1 Analysis of current system

First of all we take a visit of the Hospital. And visit the Matushri SantokBaa Medical Center. He gave the information about the Hospital Management and different Types of work that has been doing in Hospital.

- ❖ In that time mostly all the persons show all the things in Website.
- ❖ Because in that modern time all the things are available in Website so no need to purchase it from market.

2.2 Analysis of existing system

System analysis is a detailed study of the various operations performed by a system and their relationships within and outside of the system. Here the key question is what all problems exist in the present system? What must be done to solve the problem? Analysis begins when a user or manager begins a study of the program using existing system.

System analysis can be categorized into four parts:

- System Planning and initial investigation.
- Information Gathering.
- Applying analysis tools for structured analysis.
- Cost/Benefit analysis.

3. System Requirement Analysis

3.1 User Characteristic

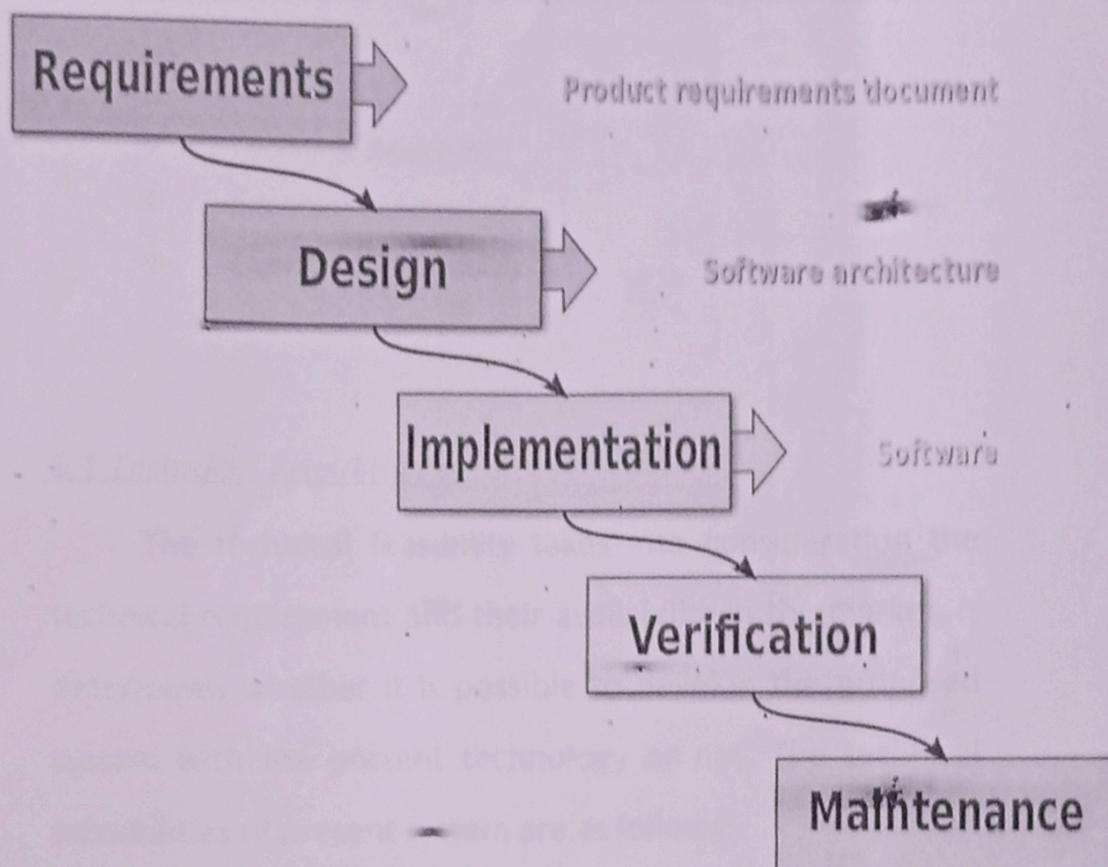
- ❖ User must have knowledge of computer system.
- ❖ He must able to remember his username and password.
- ❖ He must have knowledge of this system and its functionalities.
- ❖ He must have to know how to access Asp.Net.

3.2 Hardware, Software requirement

During this phase of SDLC, one has to enlist the configuration of hardware and support software essential to execute the specified application

4. Project Management

4.1 Project Model



6. System and Database Design

6.1 Database Design :-

The Following are the designs of the tables that shall be used to store the data in the system.

UserMaster

Column Name	Data Type	Allow Nulls
UserID	int	<input type="checkbox"/>
UserName	varchar(30)	<input checked="" type="checkbox"/>
UserType	varchar(20)	<input checked="" type="checkbox"/>
Password	nvarchar(10)	<input checked="" type="checkbox"/>
UserCreationDate	text	<input checked="" type="checkbox"/>

Client Registration

Column Name	Data Type	Allow Nulls
UserID	int	<input type="checkbox"/>
UserName	varchar(30)	<input checked="" type="checkbox"/>
BirthDate	text	<input checked="" type="checkbox"/>
EmailID	text	<input checked="" type="checkbox"/>
MobileNo	nvarchar(10)	<input checked="" type="checkbox"/>
Password	nvarchar(10), nchar(10)	<input checked="" type="checkbox"/>

Patient Registration

Column Name	Data Type	Allow Nulls
ID	int	<input type="checkbox"/>
SurName	varchar(30)	<input checked="" type="checkbox"/>
Name	varchar(30)	<input checked="" type="checkbox"/>
FatherName	varchar(30)	<input checked="" type="checkbox"/>
Age	numeric(18, 0)	<input checked="" type="checkbox"/>
Gender	varchar(20)	<input checked="" type="checkbox"/>
Address	varchar(70)	<input checked="" type="checkbox"/>
MobileNo	varchar(10)	<input checked="" type="checkbox"/>
EmailID	text	<input checked="" type="checkbox"/>
RegistrationDate	text	<input checked="" type="checkbox"/>
RelativeMobileNo	varchar(10)	<input checked="" type="checkbox"/>
Symtoms	varchar(50)	<input checked="" type="checkbox"/>
Department	varchar(20)	<input checked="" type="checkbox"/>
AssignDoctor	varchar(30)	<input checked="" type="checkbox"/>
WardNo	int	<input checked="" type="checkbox"/>
BedNo	int	<input checked="" type="checkbox"/>

Doctor Master

Column Name	Data Type	Allow Nulls
DrID	int	<input type="checkbox"/>
Name	varchar(50)	<input checked="" type="checkbox"/>
Gender	varchar(50)	<input checked="" type="checkbox"/>
Age	int	<input checked="" type="checkbox"/>
Specialization	varchar(50)	<input checked="" type="checkbox"/>
JoinDate	text	<input checked="" type="checkbox"/>
BirthDate	text	<input checked="" type="checkbox"/>
Address	varchar(50)	<input checked="" type="checkbox"/>
MobileNo	varchar(50)	<input checked="" type="checkbox"/>
Email	text	<input checked="" type="checkbox"/>

Discharge Master

Column Name	Data Type	Allow Nulls
DischargeNo	int	<input type="checkbox"/>
PatientName	varchar(50)	<input checked="" type="checkbox"/>
DischargeDate	text	<input checked="" type="checkbox"/>
PatientType	varchar(20)	<input checked="" type="checkbox"/>
Charge	money	<input checked="" type="checkbox"/>

Hospital Management System

Ward Master

Column Name	Data Type	Allow Nulls
SrNo	int	<input type="checkbox"/>
WardType	varchar(20)	<input checked="" type="checkbox"/>
WardNo	numeric(18, 0)	<input checked="" type="checkbox"/>
BedNo	numeric(18, 0)	<input checked="" type="checkbox"/>
PatientName	varchar(50)	<input checked="" type="checkbox"/>

Medicine Master

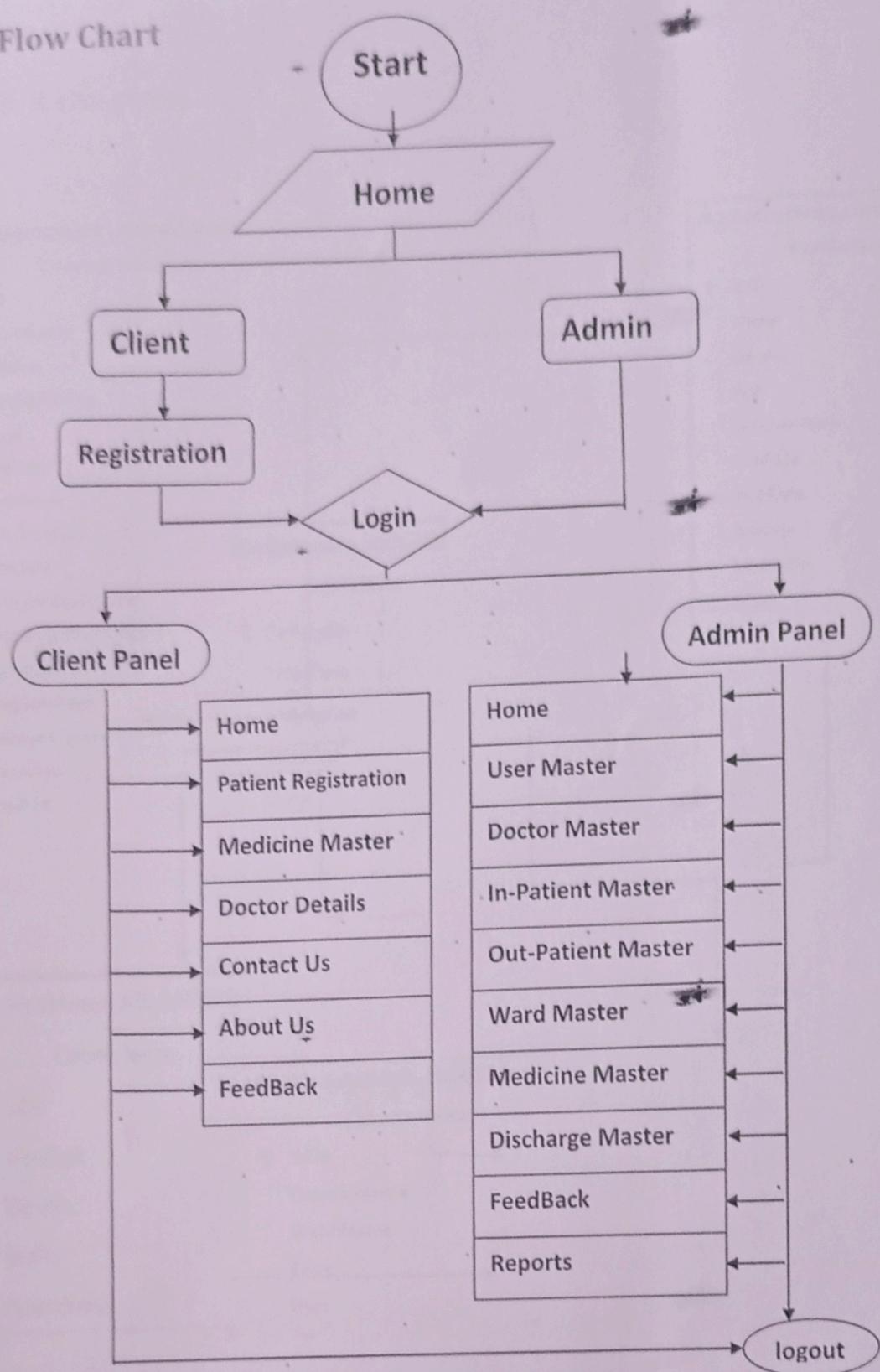
Column Name	Data Type	Allow Nulls
SrNo	int	<input type="checkbox"/>
GenericName	varchar(100)	<input checked="" type="checkbox"/>
BrandName	varchar(100)	<input checked="" type="checkbox"/>
Price	varchar(50)	<input checked="" type="checkbox"/>
Uses	varchar(250)	<input checked="" type="checkbox"/>

FeedBack

Column Name	Data Type	Allow Nulls
RegistrationNo	int	<input type="checkbox"/>
Name	varchar(30)	<input checked="" type="checkbox"/>
ContactNo	nvarchar(10)	<input checked="" type="checkbox"/>
EmailID	text	<input checked="" type="checkbox"/>
Message	varchar(100)	<input checked="" type="checkbox"/>

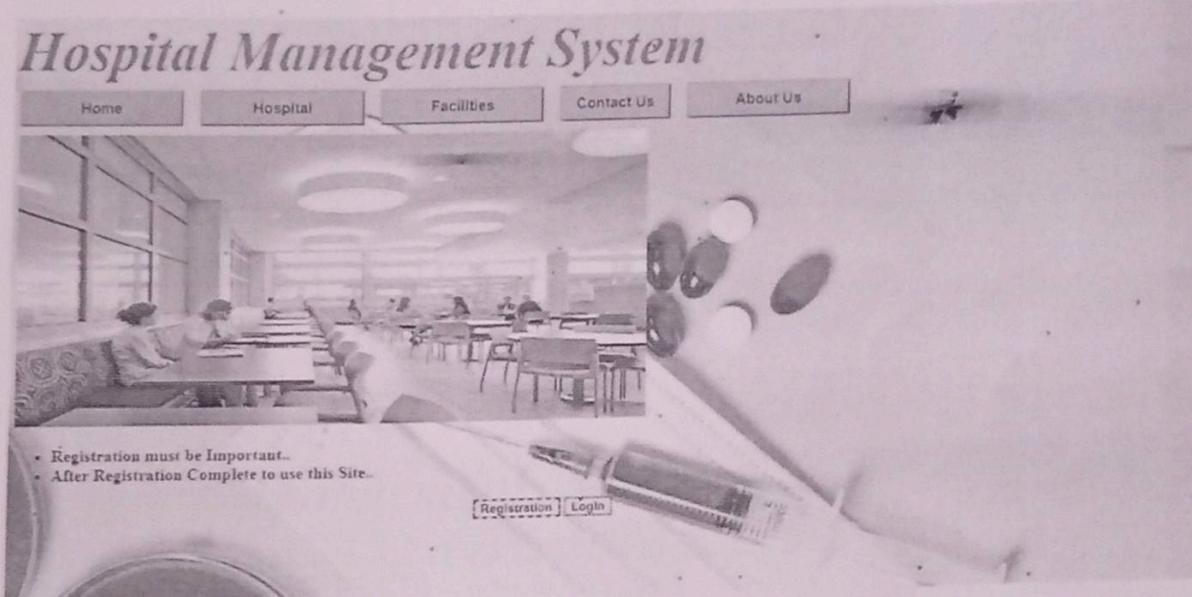
Hospital Management System

6.2 Flow Chart



7.Screenshot

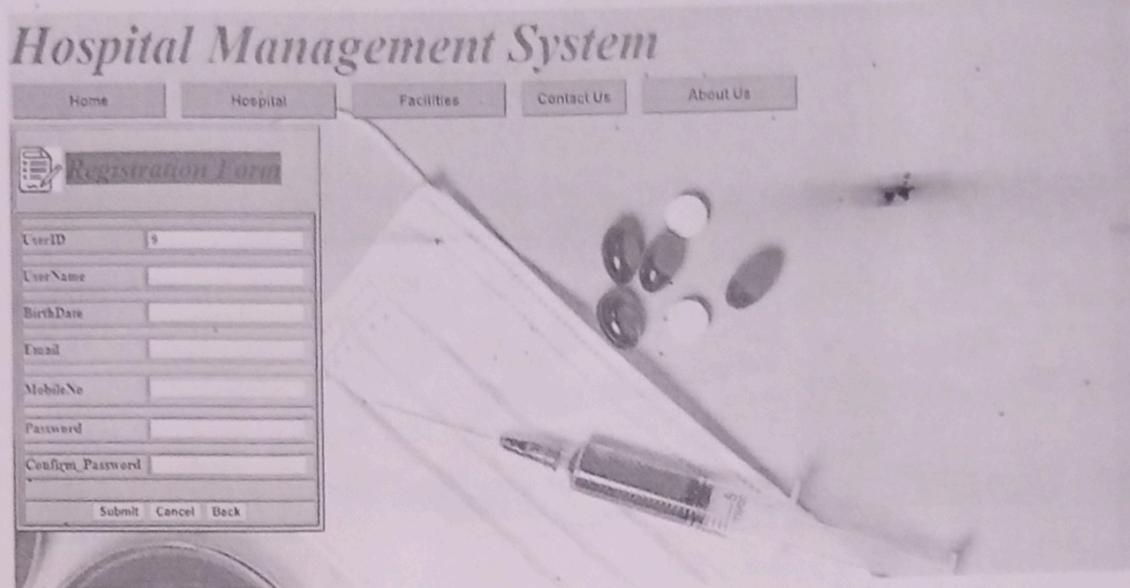
Home



Hospital Management System

Registration

Hospital Management System



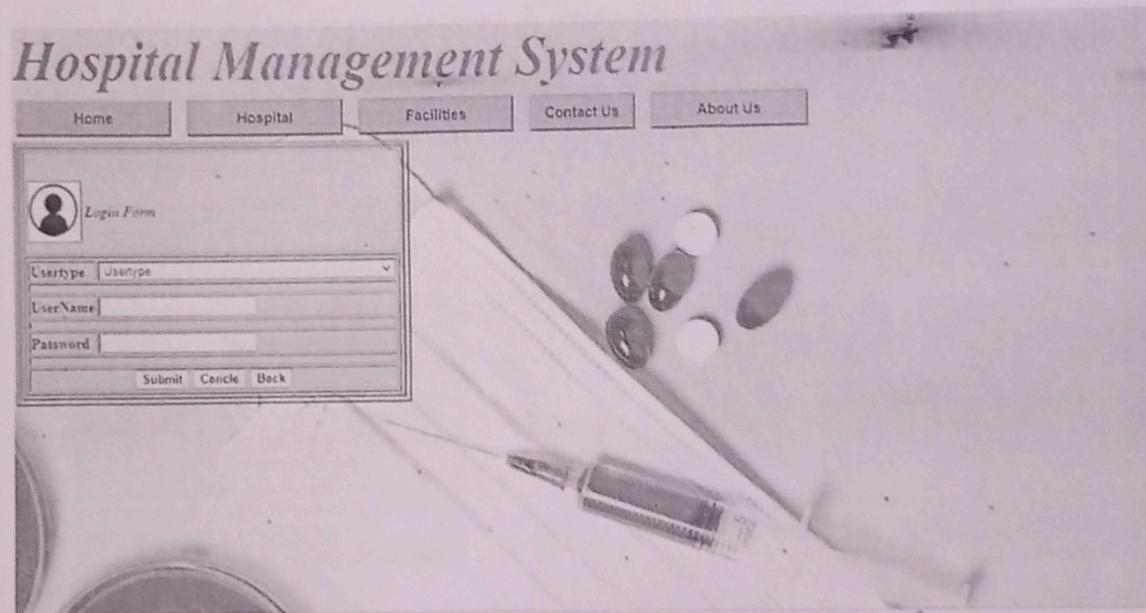
Home Hospital Facilities Contact Us About Us

Registration Form

UserID	9
UserName	
BirthDate	
Email	
MobileNo	
Password	
Confirm_Password	
<input type="button" value="Submit"/> <input type="button" value="Cancel"/> <input type="button" value="Back"/>	

Login

Hospital Management System



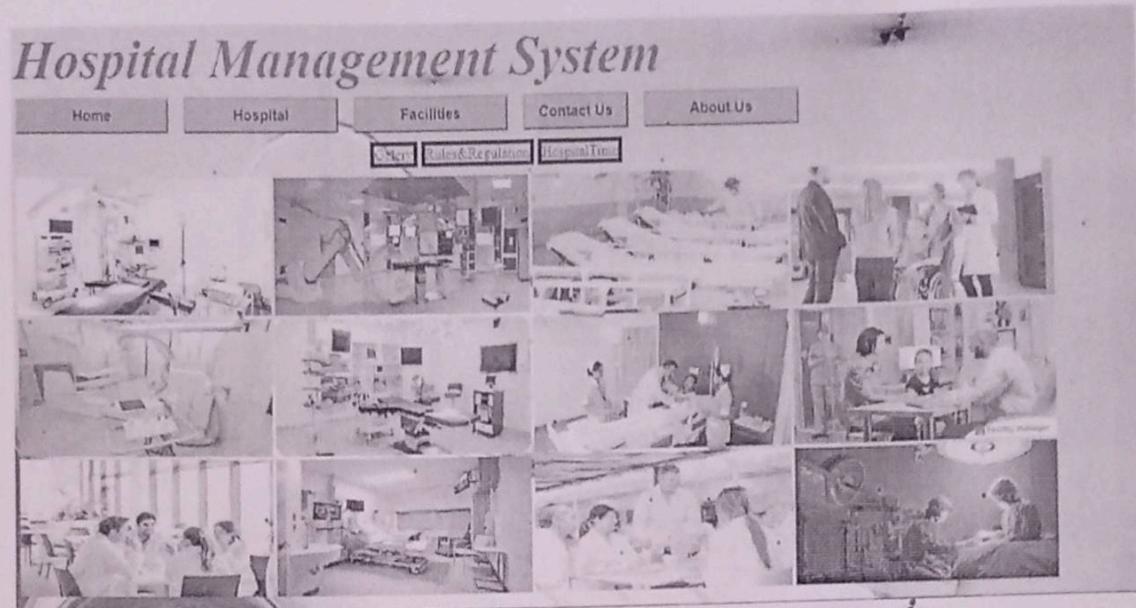
Home Hospital Facilities Contact Us About Us

Login Form

UserType	UserType
UserName	
Password	
<input type="button" value="Submit"/> <input type="button" value="Cancel"/> <input type="button" value="Back"/>	

Hospital Management System

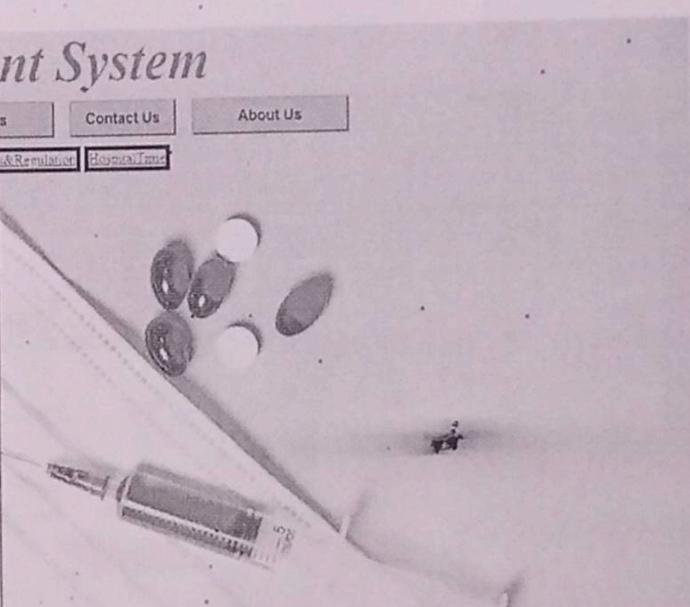
Gelery



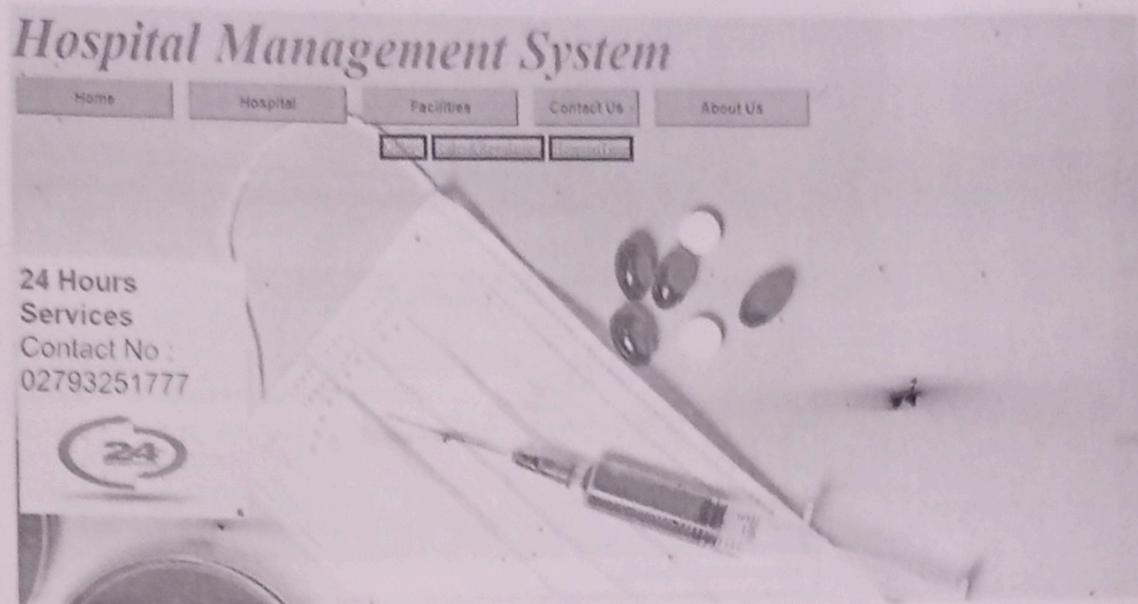
Rules&Regulation

Hospital Management System

Home	Hospital	Facilities	Contact Us	About Us
Galary	Rules&Regulation	Doctors/Time		
Rules&Regulation				
SrNo	Rules			
1.	Know the hospital rules.			
2.	Take Permission before you visit your patient.			
3.	Be clean.			
4.	Do not smoke anywhere in the hospital.			
5.	Give respect to the medical professionals.			
6.	Do not damage or remove hospital property or the property of other patients.			
7.	Stay for a short time as prescribed in the notice.			
8.	Observe and follow the signs, notices, and precautions in and around the Hospital.			
9.	Don't help the patient get out of bed or give food or drink or any kind of seductive without an approval from treating doctors..			
10.	Don't park your vehicle at non designated areas.			



Hospital Time



Facilities



Hospital Management System

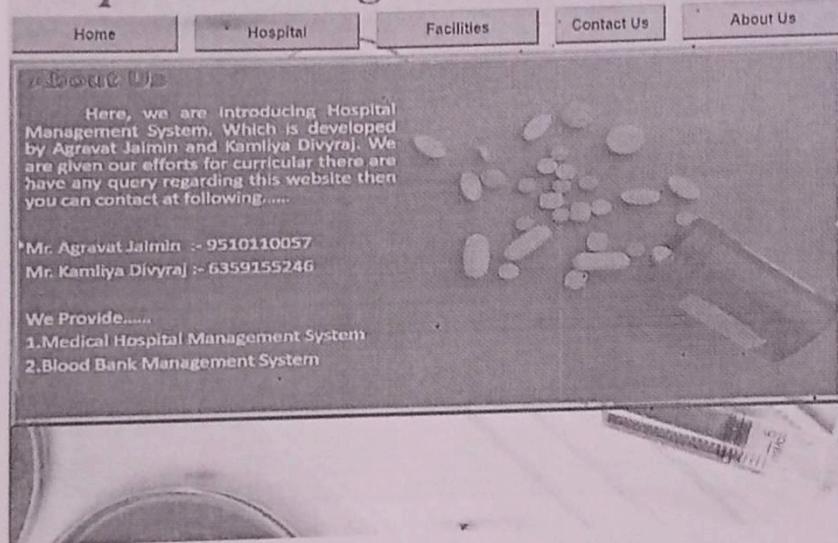
Contact Us

Hospital Management System



About Us

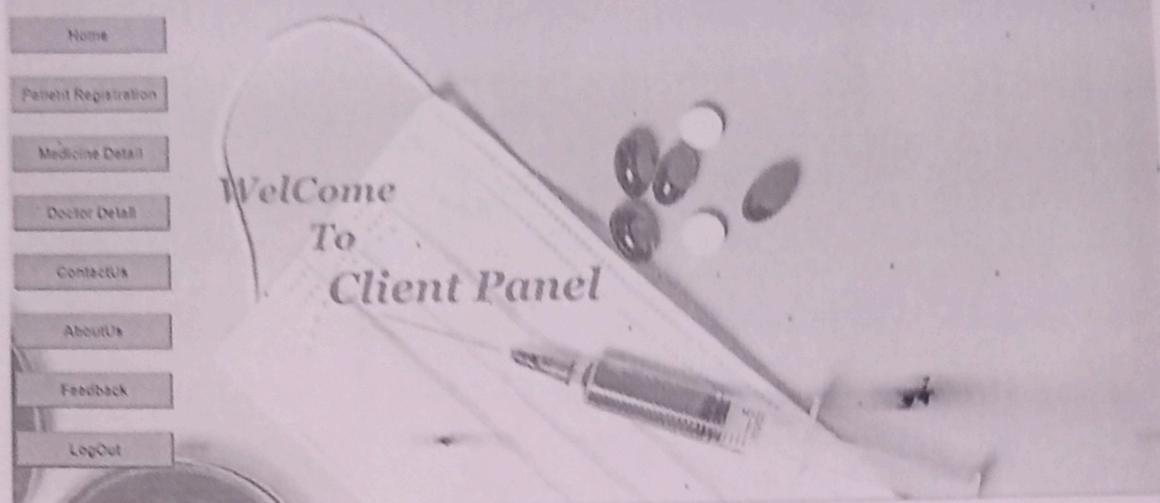
Hospital Management System



❖ Client Panel

Home

Matushri Santokbaa Medical Centre



Patient Registration

Matushri Santokbaa Medical Centre

A screenshot of the Patient Registration form. The form is titled "Patient Registration". It contains fields for ID, Address, SurName, MobileNo, Name, EmailId, FatherName, Registration Date, Age, Department (with a dropdown menu showing "Select"), Gender (with radio buttons for Male and Female), Assign doctor (with a dropdown menu showing "Select"), and buttons for Submit, Cancel, and Back. On the left side of the form, there is a vertical menu bar with the same set of options as the home screen: Home, Patient Registration, Medicine Detail, Doctor Detail, ContactUs, AboutUs, Feedback, and LogOut.

Medicine Details

Matushri Santokbaa Medical Centre

The Medicine Details page shows a table with three rows of medicine information:

Sr.No	GenericName	BrandName	Price	Uses
1	Pheniramine	Avil	2.50 Per Tablet	Allergic Reaction, Prurit
2	Promethazine	Avean	2.50 per tablet	Motion Sickness, Vomit after surgery
3	Ibuprofen	Bonin	1 per	Analgesic and anti-

Navigation menu on the left: Home, Patient Registration, Medicine Detail (highlighted), Doctor Detail, ContactUs, AboutUs, Feedback, LogOut.

Doctor Details

Matushri Santokbaa Medical Centre

The Doctor Details page shows a table with seven rows of doctor information:

DrID	Name	Gender	Specialization	MobileNo	Email
1	Dr Akshita	F	General	9206589654	akshita@kanan.com
2	Dr July	F	General	8907645912	pateljuly@gmail.com
3	Dr Mirali	F	Nephrology	9975413854	dmirali@patel.com
4	Dr Tarun	M	General	8906416864	dtarun@patel.com
5	Dr Parman	M	General	8950428940	parman@patel.com
6	Dr Vanshi	M	General	9908765342	vanshi@patel.com
7	Dr Anishka	F	Oncologist	91234567890	anishka@patel.com

Navigation menu on the left: Home, Patient Registration, Medicine Detail (highlighted), Doctor Detail (highlighted), ContactUs, AboutUs, Feedback, LogOut.

Contact Us

Matushri Santokbaa Medical Centre



About Us

Matushri Santokbaa Medical Centre



FeedBack

Matushri Santokbaa Medical Centre

This screenshot shows the 'Feedback' section of the patient interface. On the left, a vertical menu lists: Home, Patient Registration, Medicine Detail, Doctor Detail, Contacts, AboutUs, Feedback, and Logout. The main area is titled 'Feedback' and contains fields for 'Registration No.', 'Name', 'Doctor No.', 'EmailID', and 'Message'. Below these fields is a button bar with 'Submit', 'Cancel', 'Reset', and 'Help'.

❖ Admin Panel

Home

This screenshot shows the 'Admin Panel' home page. The top header reads 'Matushri Santokbaa Medical Centre-Lathi'. On the left, a vertical menu lists: Home, UserMaster, DoctorMaster, In-PatientMaster, Out-PatientMaster, WardMaster, MedicineMaster, DischargeMaster, and Feedback. The central part of the page features a large, stylized graphic of medical instruments like a stethoscope and syringes. Overlaid on this graphic is the text 'Welcome To Admin Panel'.

Hospital Management System

User Master

Matushri Santokbaa Medical Centre-Lathi



Home UserMaster DoctorMaster In-PatientMaster Out-PatientMaster WardMaster MedicineMaster DischargeMaster Feedback Reports

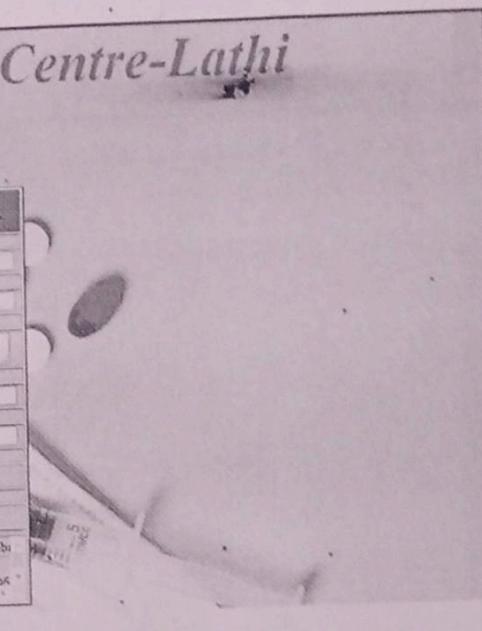
User Master

UserID	3
UserName	
UserType	OverTyps
Password	
Re-Enter Password	
UserCreation Date	22-02-2022
Submit Update Delete Cancel Back	
Search Show	

	UserID	UserName	UserType	Password	UserCreation Date
1	Jaimin	Admin	222	22-02-2022	31

Doctor Master

Matushri Santokbaa Medical Centre-Lathi



Home UserMaster DoctorMaster In-PatientMaster Out-PatientMaster WardMaster MedicineMaster DischargeMaster Feedback Reports

Doctor Master

Dr_ID	5	Join Date	
Dr_Name		Birth Date	
Gender	<input type="radio"/> Male	<input type="radio"/> Female	Address
Age		MobileNo	
Specification	—Select—	Email	
Submit Update Delete Cancel Back			
Search Show			

	DrID	Name	Gender	Age	Specialization	JoinDate	BirthDate	Address	Mobile	Pic	Visiter	Date
1	Dr.Ashwin R	40	General	04-10-2023	10-07-1980	Vijaywala	0706					

Hospital Management System

In-Patient Master

Matushri Santokbaa Medical Centre-Lathi

Home	InPatient Master					
UserMaster	ID	SurName	Name	Registration Date	EmailID	
DoctorMaster						
In-PatientMaster						
Out-PatientMaster	FatherName	Symptoms				
WardMaster	Age	Department	Select			
MedicineMaster	Gender	Male Female	AssignedDoctor	Select		
DischargeMaster	Address	WardNo				
Feedback	MobileNo	BedNo				
Logout	Submit Update Delete Cancel Back					
Search Show						
ID SurName Name FatherName Age Gender Address MobileNo EmailID Join						

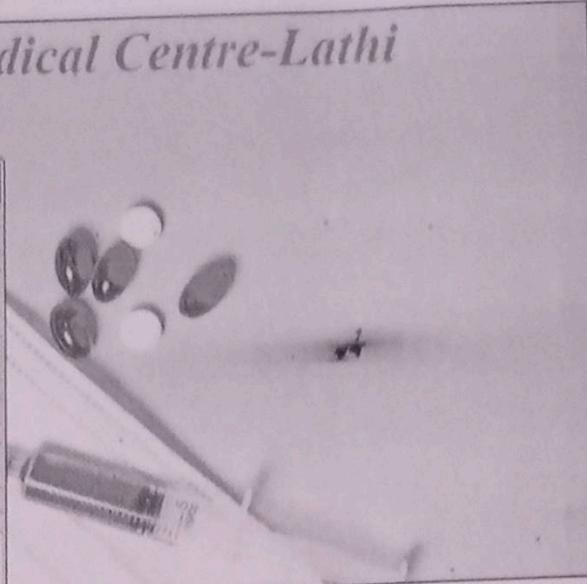
Out-Patient Master

Matushri Santokbaa Medical Centre-Lathi

Home	OutPatient Master					
UserMaster	ID	SurName	Name	RegistrationDate	Address	MobileNo
DoctorMaster						
In-PatientMaster						
Out-PatientMaster	FatherName	Age	Department	Select		
WardMaster	Gender	Male Female	AssignedDoctor	Select		
MedicineMaster	Submit Update Delete Cancel Back					
DischargeMaster	Search Show					
Feedback	ID SurName Name FatherName Age Gender Address MobileNo EmailID Join					
Logout	1. Goraiya Dhrun Maheshbhai 21 M Gan. Akula Abanai					

Ward Master

Matushri Santokbaa Medical Centre-Lathi

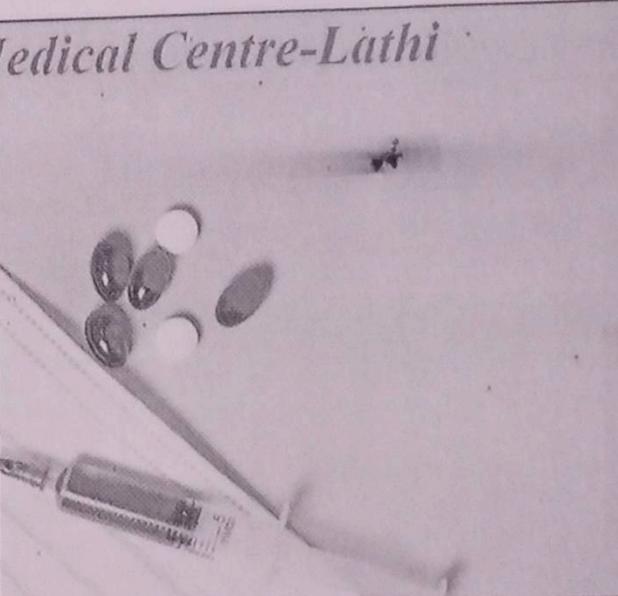


Ward Master

SrNo	5
WardType	WardType
WardNo	
BedNo	
PatientName	
Submit Update Delete Cancel Back	
Search	Show

Medicine Master

Matushri Santokbaa Medical Centre-Lathi



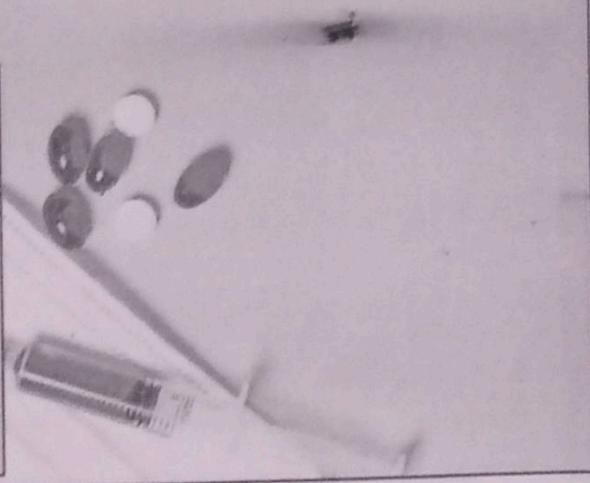
Medicine Master

SrNo	11
Generic Name	
Brand Name	
Price	
Uses	
Submit Update Delete Cancel Back	
Search	Show

Hospital Management System

Discharge Master

Matushri Santokbaa Medical Centre-Lathi



Home
UserMaster
DoctorMaster
In-PatientMaster
Out-PatientMaster
WardMaster
MedicineMaster
DischargeMaster
Feedback
Logout

Discharge Master

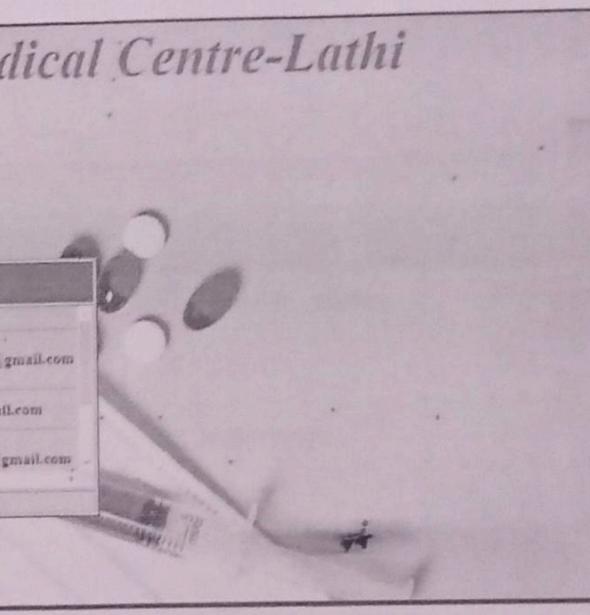
Discharge No.	1
Patient Name	
Discharge Date	
Patient Type	Patient
Charge	

Submit Update Delete Cancel Back

Search Show

FeedBack

Matushri Santokbaa Medical Centre-Lathi



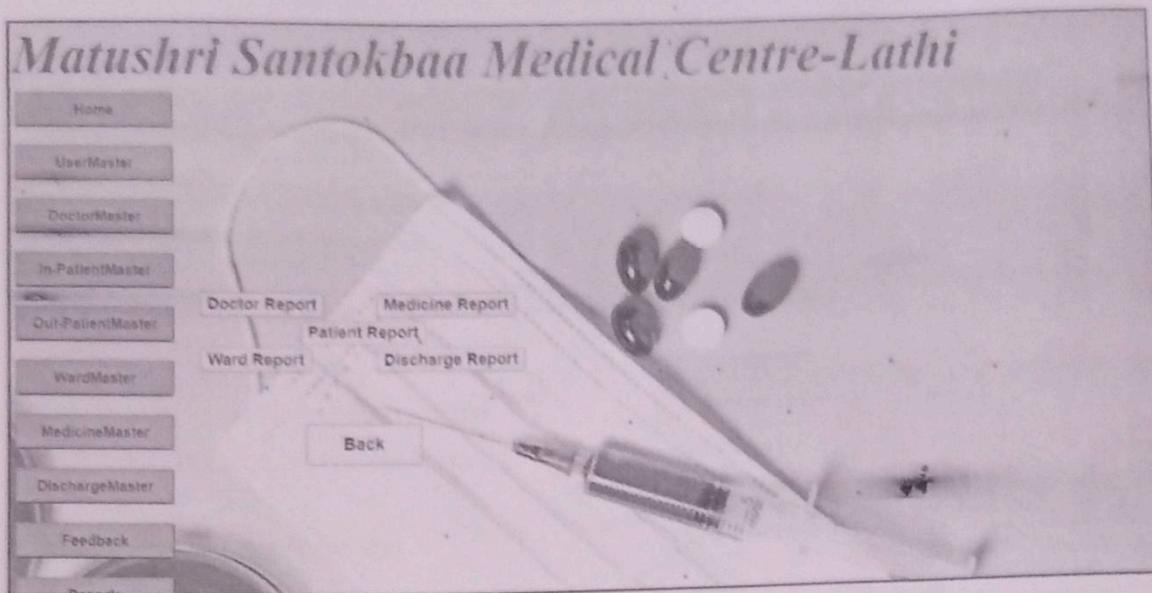
Home
UserMaster
DoctorMaster
In-PatientMaster
Out-PatientMaster
WardMaster
MedicineMaster
DischargeMaster
Feedback
Logout

FeedBack Detail

RegistrationNo	Name	ContactNo	EmailID
1	Krishna	9087623851	lukhikishna@gmail.com
2	Dhaval	9506017164	Dhaval@gmail.com
3	Keval	8140331826	kevalgelani@gmail.com

Back

Reports



Doctor Report

A table listing five doctors with their details. The columns are Dr ID, Name, Gender, Age, Specialization, and Date. The data is as follows:

Dr ID	Name	Gender	Age	Specialization	Date
1	Dr.Akshit	M	30	General	04/10/2018
2	Dr.Jamin	M	26	General	10/09/2018
3	Dr.Milan	M	22	Nephrology	10/09/2018
4	Dr.Tarun	M	24	General	01/09/2018
5	Dr.Param	M	29	General	09/09/2018

Hospital Management System

Medicine Report

Sr No	Generic Name	Brand Name
1	Pheniramine	Avil
2	Promethazine	Avomin
3	Ibuprofen	Brufen
4	Hyoscine Butyl Bromide	Buscopan
5	Aspirin	Ecosprin
6	Metoclopramide	Perinorm
7	Hydrocortisone	H Cort
8	Diclofenac	Movern

Ward Report

Ward Type	Ward No	Bed No	Pat
General Ward		1	11 Hiren
General Ward		1	14 Parul
General Ward		1	10 Shubh
General Ward		1	19 Sahil

11. Reference

A. Website Name:-

1. www.google.com
2. monarchcomputer@rediffmail.com

B. Reference :-

- Complete reference (ASP.NET)
- ASP.NET 4.0 PROGRAMMING

