

PROJECT PROPOSAL ON

INTERACTIVE PATIENT INFORMATION MANAGEMENT SYSTEM

Submitted in partial fulfilment of the requirements for the completion of

Bachelor of Computer Application

By

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INTERACTIVE PATIENT INFORMATION MANAGEMENT SYSTEM



ACKNOWLEDGEMENT

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I'm also thankful to all the faculty members, who are directly and indirectly involved with my project. They provide proper guidance and spent their valuable time in elaborating view of studying the project details and getting the right vision for its implementation.

Then i would like to thank my parents who helped me with full support and their valuable guidance and suggestion were very helpful in various phase of the completion of the project.

DECLARATION

I, **Shivani Kumari**, hereby declare that the project work entitled "**Interactive Patient Information Management System**" submitted to "**Mrs. Anupam Singh**" is a project report of the work done by me under her guidance. This project work is submitted in partial fulfilment for "**PATLIPUTRA UNIVERSITY**". The result embodied in this has not been submitted to any other institution.

TABLE OF CONTENT

<u>Chapter</u>	<u>Sl. No.</u>	<u>TITLE</u>	<u>PAGE No.</u>
	1.	Front Page	01
	2.	Title	02
	3.	Acknowledgement	03
	4.	Declaration	04
1. Introduction			
	1.1	Overview(About Hospital)	07
	1.2	Analysis	07 – 08
	1.3	Feasibility Study	08 – 09
	1.4	Objective of the Project	09 – 10
	1.5	Significance of the Study	10
	1.6	Introduction to VB 6.0	10 – 11
	1.7	Introduction to Oracle 10G	11
2. System Study		Limitation of the existing system	12 – 13
3. System Specification		Hardware & Software requirements	14
4. System Design & Analysis			
	4.1	E-R diagram	15
	4.2	Data Flow Diagram	16 – 21

5. Project Planning & Coding	4.3	Waterfall Model	22
	4.4	Module description	23 – 24
	4.5	Database Design	25 – 29
	4.6	Table description	30 – 36
		Project planning	37
6. System Testing	5.2	GANTT Chart	38
	5.3	PERT Chart	39
	5.4	Project Code, Screen Shots & Reports	40 – 242
7. System Implementation 8. Future Scope 9. Bibliography & References	System Testing		243 – 250
			251
	Future Scope and Further Enhancement of the project		252
	Bibliography & References		253

Chapter(1). Introduction

1.1 Overview (About Hospital)

Human Body is very complex and sophisticated structure and comprises of millions of functions. All these complicated functions have been understood by Human, part-by-part their research and experiments. As science and technology progressed, medicine became an integral part of the research. Thus the Health sector aims at providing the best medical facilities to the common man.

The main aim of my project is to provide a paper-less hospital. The system also provides excellent security of data at every level of user system interaction and also provides robust and reliable storage and backup facilities. “**INTERACTIVE PATIENT INFORMATION MANAGEMENT SYSTEM**” is completely based on the health care service provided to patients in **Rajeshwar Hospital**. Rajeshwar Hospital, the largest private health care provider of Bihar and Jharkhand, is situated in Patna, the capital of Bihar. The Hospital was established in year 2000 on 22nd of May. There are all modern facilities to provide best health care at affordable costs to the people of Bihar, Jharkhand, and rest of Eastern India along with neighbouring Nepal. The hospital today caters a wide range of population with its sound infrastructure and world fame doctors. The hospital spread in approx. 4000sq.ft. Area with all modern facilities in terms of advanced medical equipment infrastructure. Other common facilities available in its premises are like O.P.D, Pathology, Medicine store, Canteen etc.

1.2 Analysis

Before engineering, a system (software) must be clearly understood. I started my project with preliminary investigation which is an introductory investigation to determine the feasibility of the system i.e. how convenient or practicable it is? During this investigation i evaluated project request and at the end of this phase, I collected complete details of system requirements.

The objectives of preliminary investigation are: -

- To clarify and understand the project request
- To determine the size of the project
- To access costs and benefits of alternative approaches
- To determine the technical and operational feasibility of alternative approaches

The project is evaluated with its alternative approaches for costs and benefits analysis along with technical and operational feasibility. I collect my data through reviewing hospital documents, on site observation and conducting interviews with organizations members.

- Reviewing hospital documents:-

During this phase, I first consider the system and persons involved or affecting the system functionality. On the basis of my considerations i collected documents of the existing system like hospital charts, operational procedures, forms, reports, etc.

- On-site observations:-

To examine activities directly i went to the site and observe office environment. Work load on system and the users, methods of work, facilities provided by the organization to their user and employees, importance of the required system etc.

- Conducting interviews:-

By above two methods i could not collect enough details to make a decision due to COVID-19 pandemic period. That's why i conducted interviews of associated person of existing system to know more about the nature of requested project. During this phase i know about the associated person's qualifications, experience (both technical and operational), Knowledge, skills etc.

After preliminary investigation phase i concentrated on feasibility study of the proposed system.

1.3 Feasibility study

Feasibility study is used to determine whether or not a project is worth doing. This phase is necessary to decide to proceed or cancel the proposed project. This study is carried through several levels concentrating on different aspects.

1. Technical feasibility:-

It concerned with whether existing software, equipment, personals are sufficient for the proposed project or it needs to develop new software or equipment with concentration on cost and benefits. Generally technical needs of a produce includes-

- The facility to produce outputs in a given time
- Response time under certain conditions.
- Ability to process certain volume of transaction at a particular speed.
- Facility to communicate data to distant location

During feasibility study regarding project, i examine the existing system configuration and compare it with two different configurations on cost and requirement basis. First i consider that what speed of input and output is required then how many units operate and types of a system etc.

2. Economical feasibility:-

It has great importance in project because it is related to cost and sufficient benefit involved. In my project during analysis first i calculate overall expected cost with alternative approaches and benefit achieved. These are some other feasibility study i have less importance in comparison with above mentioned feasibility. This feasibility requires less concentration or these are optional as i think, so i have less concentration on these

feasibility like time feasibility, legal feasibility, social feasibility etc. time feasibility determines whether project is developed and implemented within the defined time. The proposed system must follow all the acts and statutes which are determined.

1.4 Objective of the Project

The main objective of my project is to automate the Hospital Functionality. Besides my project has objective to automate the working process of IPIMS. Automating these processes i mean that i can do these works with the help of computer. Hence i save my time. I can use this saved time for increasing the services and productivity. At time-to-time several reports are also needed. Therefore i can prepare these reports by computer very quickly. But if i prepare these reports manually then this takes a lot of time to make analysis. After analysis i am able to make the reports required.

Hence generating these reports with the help of computer is also the main objective of my project.

“IPIMS” chosen by me because of it fulfil the requirement of Hospital Administration functionality. IPIMS have several sections which are given below:-

- 1) **Information tracking of patient-** In this particular field, information of patients can be tracked very easily. There will not be any heritance while tracking it.
- 2) **Doctors/consultant and Nursing staff management-** In this section, there will be details of doctors, nursing staffs.
- 3) **Department Detail -** In this particular section, employee can get department details related to that particular hospital.
- 4) **Ward detail information–** In this particular section, employee can get ward details in which patients are admitted. We need ward detail to maintain all the records related to patient as well as the doctors and staff who works on the particular ward.
- 5) **Storage of medical records -** The system can even help the users to keep details for medical prescriptions given to the patients.
- 6) **Quick View-** The system can help the nursing staff to allot bed to the patient after having looked on the current booking status of bed i.e. whether it is booked for other patients or not.
- 7) **Reporting section –** Reporting section is specially made for having all the reports from starting to the last phases related to patients, doctors, staffs etc. In this section, we can get anyone's report that is related to Rajeshwar Hospital.

Each of these sections has its separate works. For example, if there is any problem in the health of the patient and they comes to fix an appointment with the doctor then the staff of “Receptionist Department” will fix his/her appointment with the doctor of “OPD”. Just like, if patients are admitted in hospital then keep track all the information.

Interactive Patient Information Management System provide the benefits of stream line operation, enhanced administration & control, enhancement in patient care, Interactive Patient Information Management System is powerful, flexible and easy to use and manage.

1.5 Significance of the Study

The study is important to the hospital patients since they could have medical information without experiencing delays and incorrect information. If they wanted to access their medical history, they would not be going through a difficult process. The hospital especially the billing department would not go through a lot of paper reports when it comes to payments and accounting records. The use of paper would still be there but it could be reduced so that excessive paper loads would not be a problem.

The study was also significant to the staffs since they would be able to save, update, delete, and search information within the system. It was beneficial to the hospital since it could improve their management through connecting all their existing computers in one system. In general, the study was important to the hospital and patients for it could serve as an applicable tool to maintain the productivity and quality of service in the hospital.

Hospital is a leading among the public hospital. Health system functioning depends on production and use of quality health data and information at all levels of the health system. This study serves as a starting point for the assessment of Hospital Information System (HIS) based on the situation in public to identify the strengths and weakness of the system in improving health system functioning. The study forms a basis for further research on evidence based management of health services in general and specifically lead to generation of new ideas for better and more efficient management of health facilities in the country at large. The study will look at the use of Interactive Patient Information Management System in a private and a public hospital.

1.6 Introduction to VB 6.0

Visual Basic is a tool that is used by more number of developers' than any other tool. Visual Basic has been the choice of developers for various good reasons. So many small and big companies use Visual Basic for various types of applications. One of the key factors that contributed to the success of visual Basic is its ease of use.

When Windows programming was very tough and was confined only to a few people who were good in C and C++, Visual Basic hit the market and changed the way one would look at windows programming.

Since then Visual Basic has grown considerably. The following are the areas that are supported by VisualBasic6.0.

- Standard Windows Application
- Database Application

- ActiveX Component
- Internet Application

Visual Basic creates standard .EXE file that we can distribute and deploy on any machine. VB allows developer to access windows API, which gives all the power of windows.

1.7 Introduction to Oracle 10G

Oracle Database 10g is the first database designed for enterprise grid computing, the most flexible and cost effective way to manage information and applications. Enterprise grid computing creates large pools of industry-standard, modular storage and servers.

10g stands for GRID. Starting in the 2003 with version 10g, G signifies “Grid Computing” with the release of Oracle 10g in 2003. Oracle 10g was introduced with emphasis on the “g” for grid computing, which enables clusters of low-cost, industry standard servers to be treated as a single unit.

Oracle is a database that delivers excellent performance when challenge with demanding tasks. The ACID test, which is an important tool used to ensure the integrity of data stored, was easily passed by Oracle databases. This test is important since reliable data storage is the main purpose of a database.

Features of Oracle Database Gateways

- SQL and PL/SQL Support
- Heterogeneous Replication
- Pass through SQL
- Result Set Support
- Data Dictionary Translation
- Data-Time Data Types

The SQL language is based on several elements. For the convenience of SQL developers all necessary language commands in the corresponding database management systems are usually executed through a specific SQL command-line interface (CLI).

- **Clauses** - the clauses are components of the statements and the queries
- **Expressions** - the expressions can produce scalar values or tables, which consist of columns and rows of data
- **Predicates** - they specify conditions, which are used to limit the effects of the statements and the queries, or to change the program flow
- **Queries** - a query will retrieve data, based on a given criteria
- **Statements** - with the statements one can control transactions, program flow, connections, sessions, or diagnostics. In database systems the SQL statements are used for sending queries from a client program to a server where the databases are stored. In response, the server processes the SQL statements and returns replies to the client program. This allows users to execute a wide range of amazingly fast data manipulation operations from simple data inputs to complicated queries.

Chapter (2). System Study

Limitation of the existing system

For the purpose of developing this project, I have conducted my research in Rajeshwar Hospital. The system existing there uses manual process for recording the data and storing them in files. I identified the challenges in the existing system of Rajeshwar Hospital, such as Data redundancy, data inconsistency, and difficulty in accessing data, data isolation, integrity problems, atomicity problem, concurrent access anomalies, and some security problems. They cited among others which pinpointed at techniques behind Database Management technologies, and thus overcome the existing challenges.

This system has many draw backs including

- It is time consuming as lot of time is wasted in searching and sorting of data
- Poor security and data protection
- There is a lot of scope for misplacement of check-up files
- Problems caused due to data redundancy
- Lack of immediate retrievals: -The information is very difficult to retrieve and to find particular information like- E.g. - To find out about the patient's history, the user has to go through various registers and Patients have to wait for longer time. This results in inconvenience and wastage of time.
- Lack of immediate information storage: - The information generated by various transactions takes time and efforts to be stored at right place.
- Error prone manual calculation: - Manual calculations are error prone and take a lot of time this may result in incorrect information. For example: calculation of patient's bill based on various treatments.
- Preparation of accurate and prompt reports: - This becomes a difficult task as information is difficult to collect from various registers.

With the introduction of Interactive Patient Information Management System many drawbacks associated with the traditional system can be overcome. It replaces the manual records and helps in retaining the patient's health history. Since billing information is maintained in the database, hospital management can retrieve the information any time they want. All reports can be run on the database which helps in hospital management for making decisions.

Doctors can retrieve the information they needed before they treat a patient. This will reduce the medical errors and increase the health care services. Therefore, it will increase patient's convenience and reduces patients waiting time.

Some of the ways to avoid these drawbacks:

- a) **Improve Processing Speed** - The system uses number of function and DLL (Dynamic Link Library) to keep all transaction in the memory until the program is to be terminated which increase the inherent speed of the computer for processing data.

- b) Faster retrieval of Information** - locating and retrieving information from storage, there is need of some complex searching. For that, the system can be designed in Oracle10g for faster retrieval of information.
- c) Increased volume-** Interactive Patient Information Management System provide services for processing of greater amount of activities to take advantage of new transaction because of data availability in main memory, all information are integrated and depends upon memory, this volume of data may also be increased.
- d) Reduces the need of man power-** IPIMS reduces the need of manpower.
- e) Control-** Since the most important thing for an organization is the control over the organization which is processed by the two ways-
 - Greater Accuracy and Consistency- Carrying out computing steps including arithmetic correctly and consistency because of Oracle 10g fully support Math Co-processor.
 - Better security-To secure sensitive data from the unauthorized person, three levels has been given in it. One is data level, second is user level and third is administrator level.

Chapter 3. System Specification

Hardware & Software requirements

Software requirements

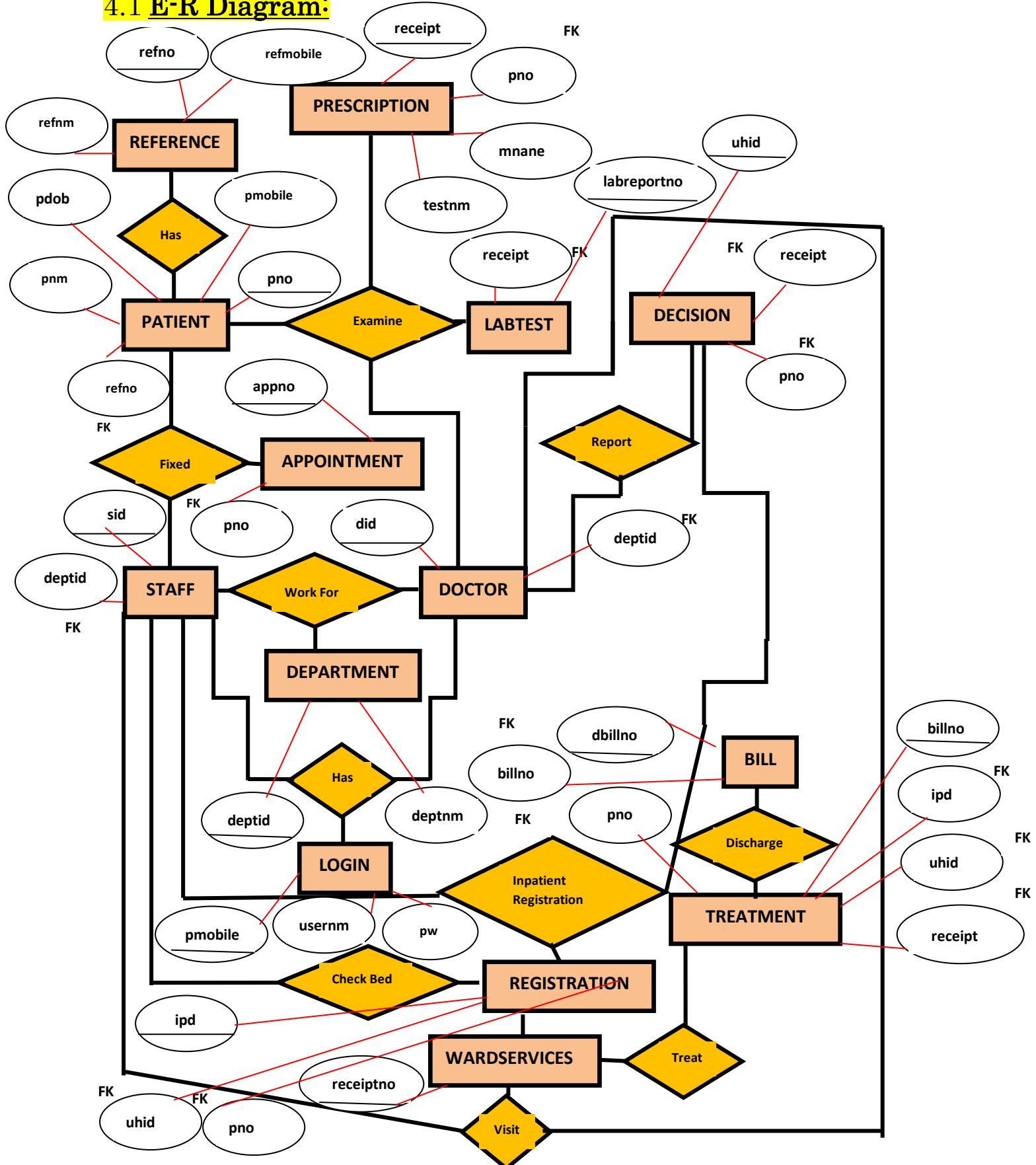
- Operating System : Microsoft windows 8 and above
- Front End : Microsoft Visual Basic 6.0
- Back End : Oracle 10G

Hardware requirements

- Hard Disk Drive : 40 GB and above
- RAM : 4 GB and above
- Processor : Intel Core i3 and above
- System Bus : 64 bits

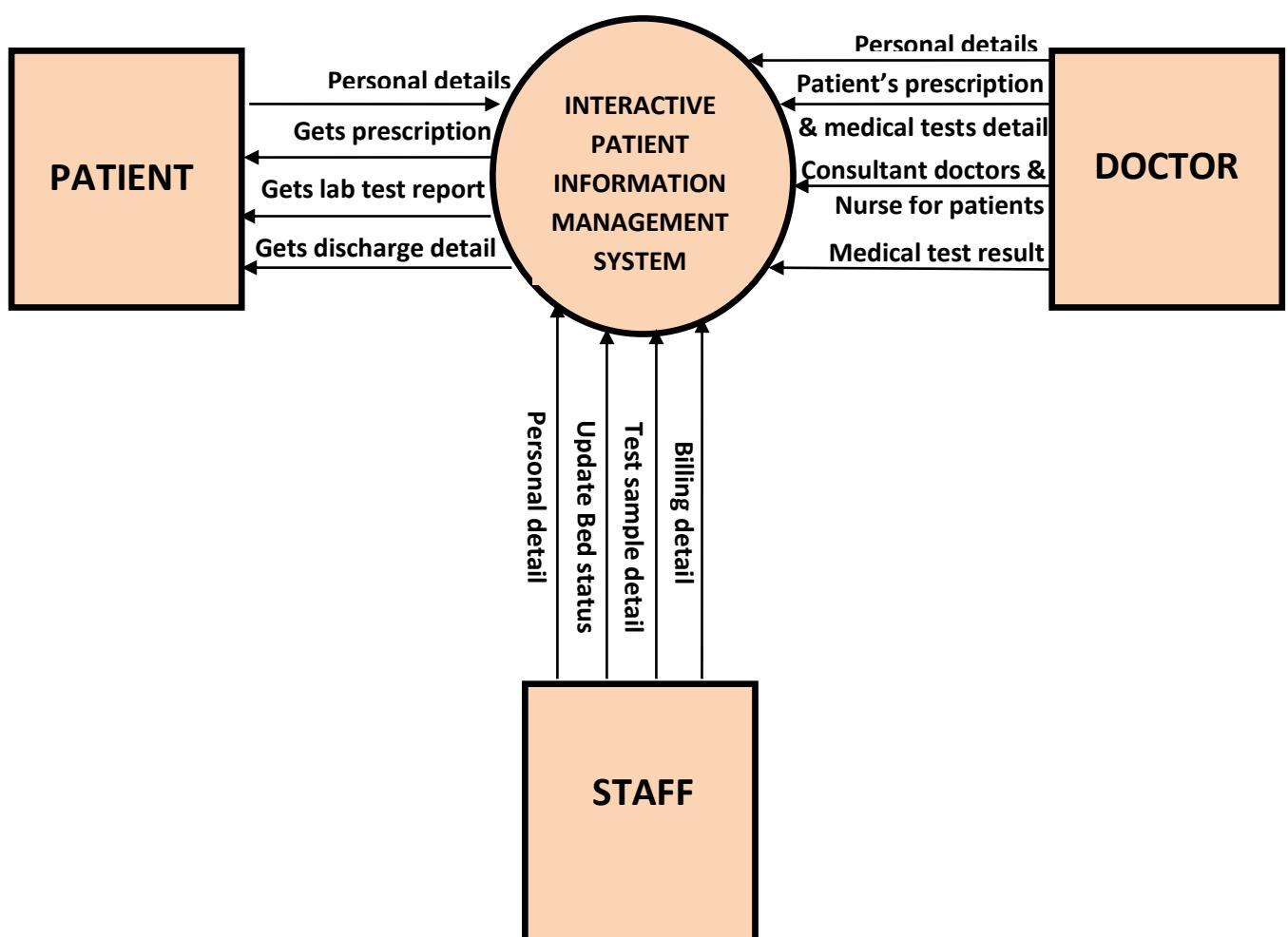
Chapter 4. System Design & Analysis

4.1 E-R Diagram:

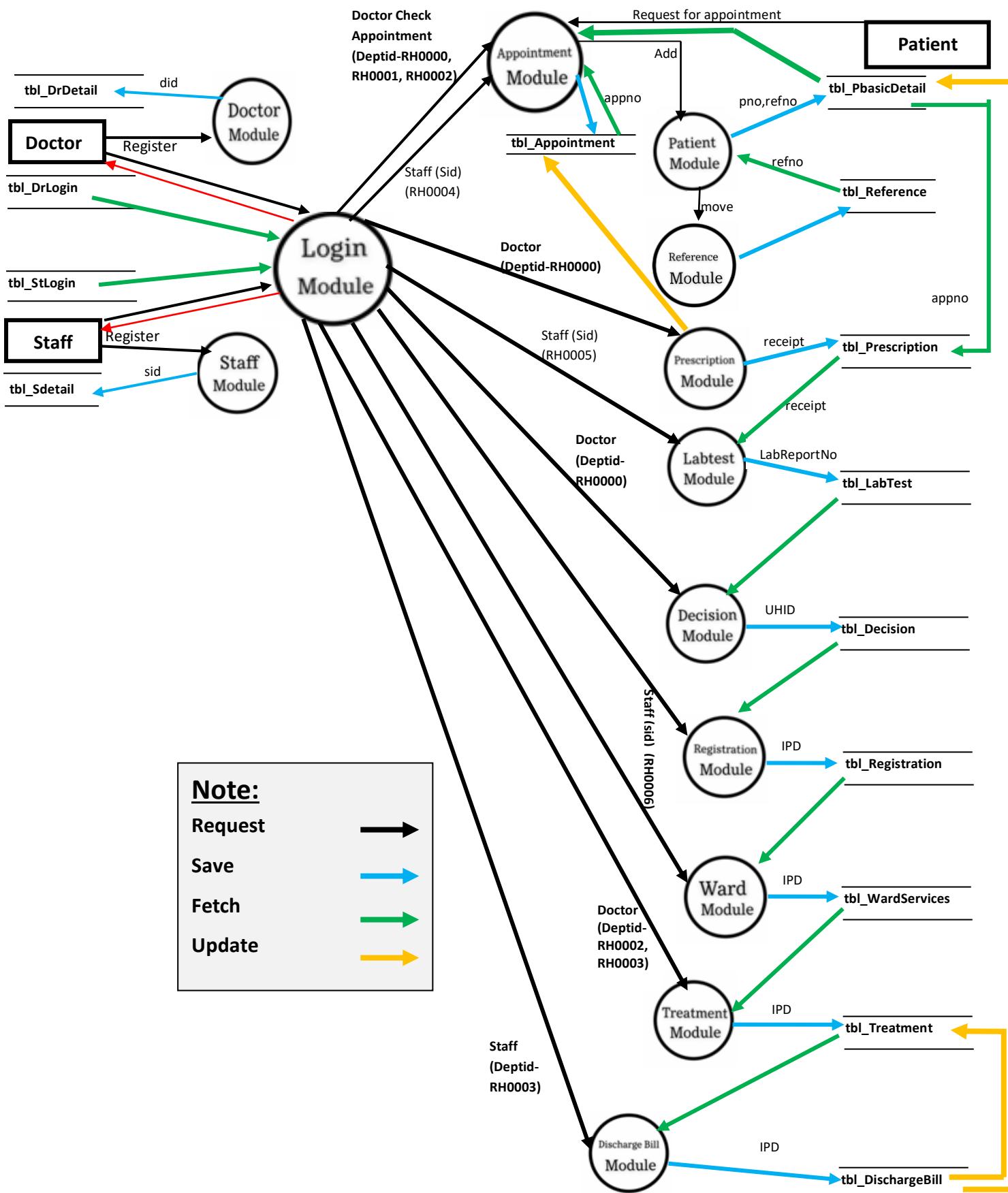


4.2 Data Flow Diagram

Level 0

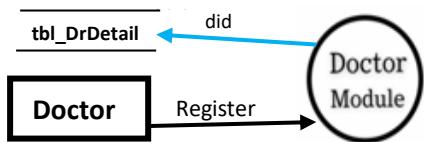


Level 1

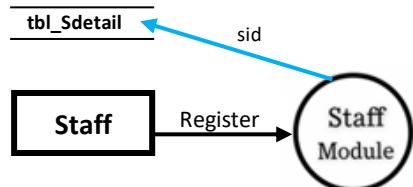


Level 2

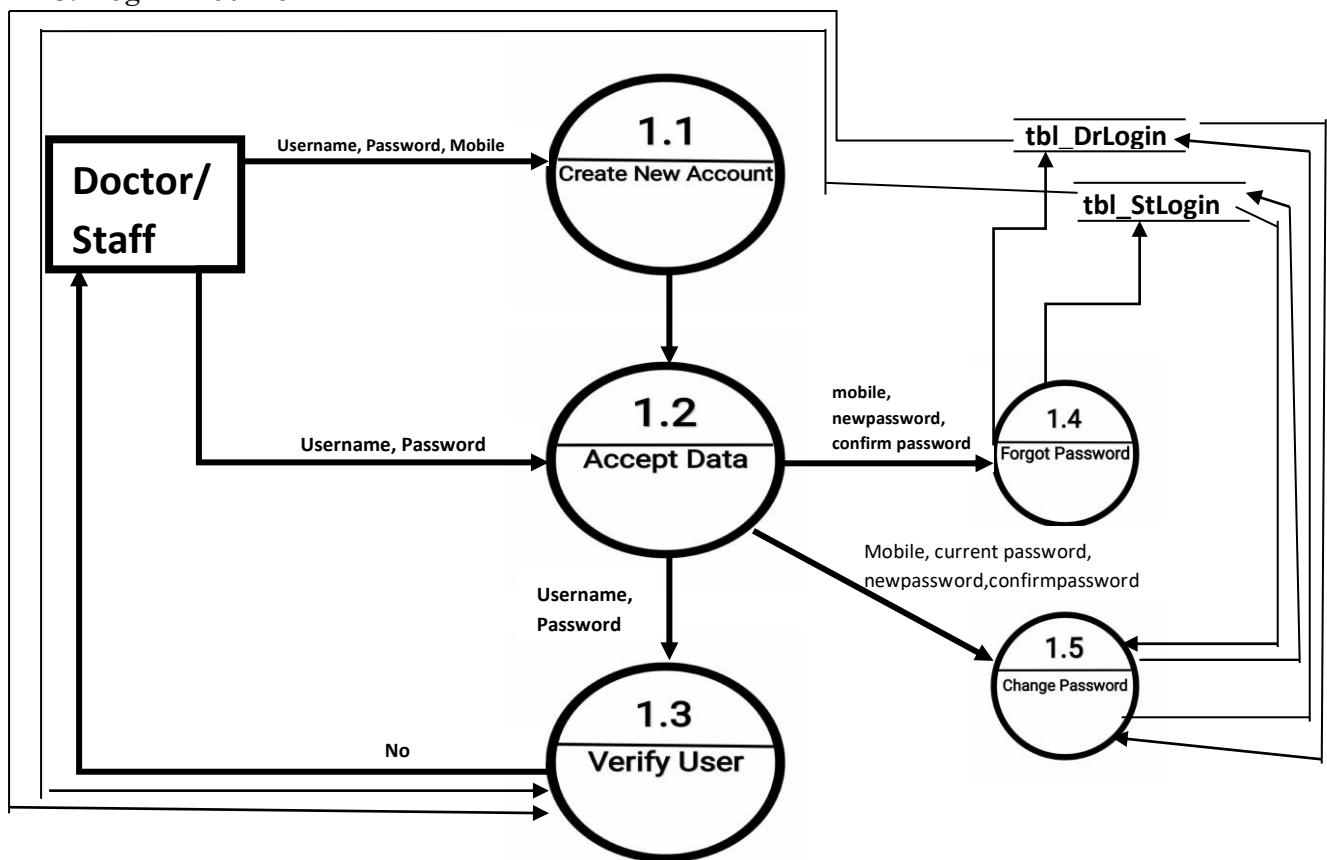
1. Doctor Module:



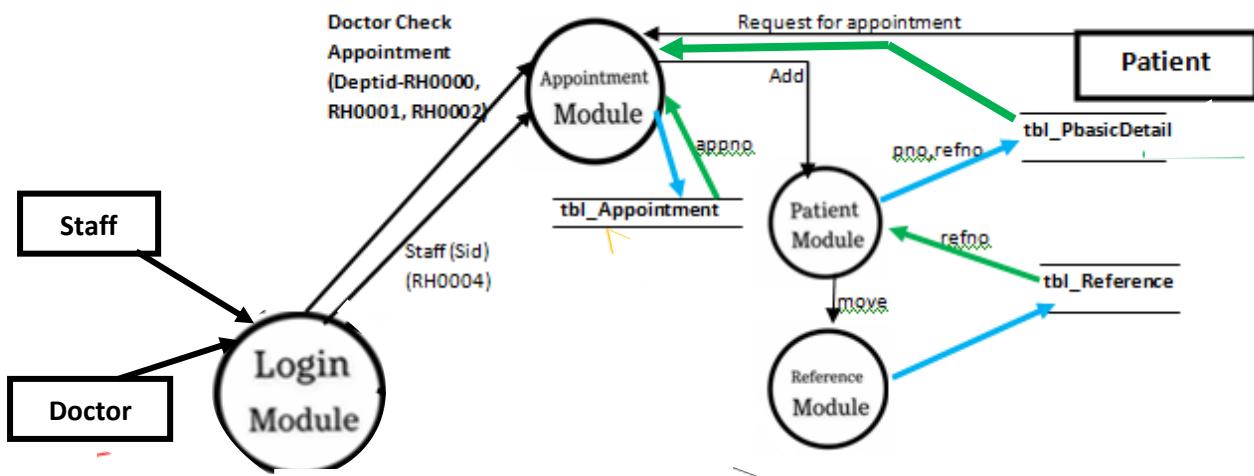
2. Staff Module:



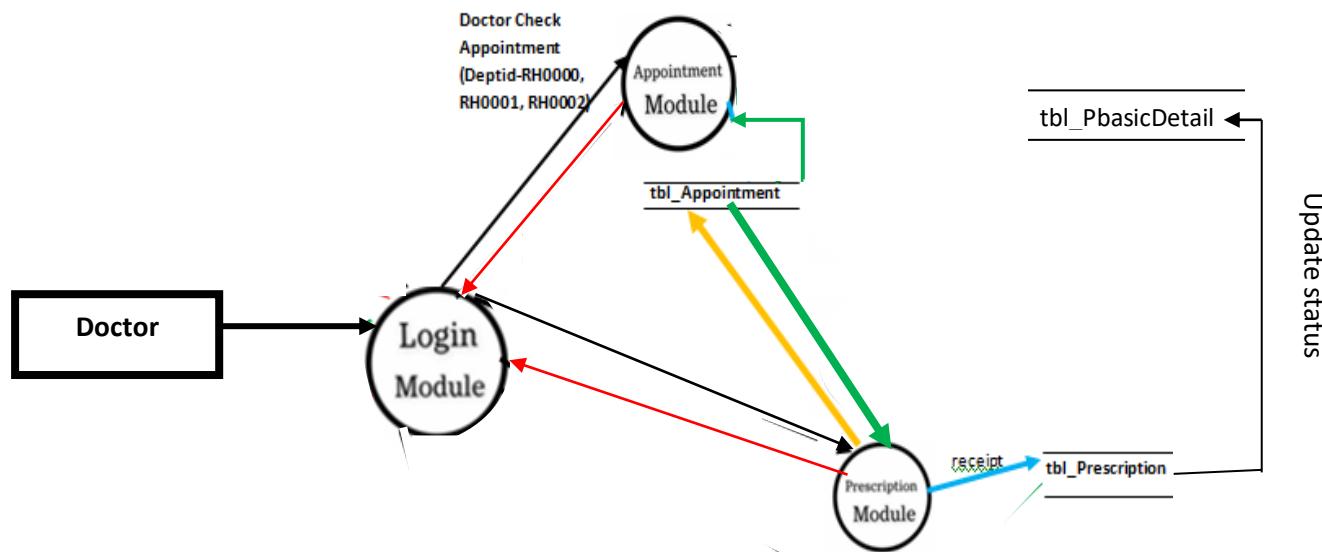
3. Login Module:



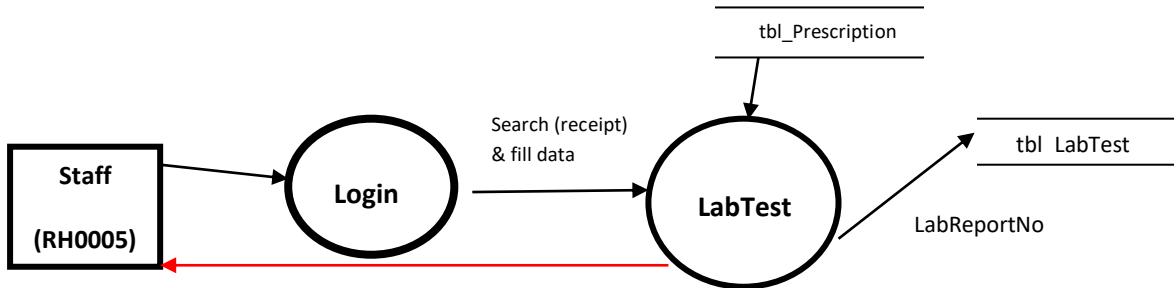
4. Appointment Module:



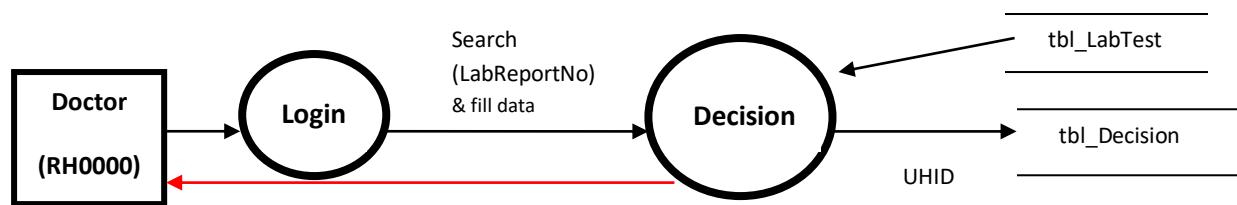
5. Prescription Module:



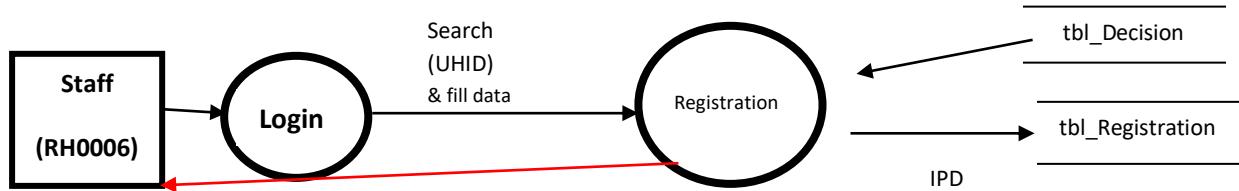
6. LabTest Module:



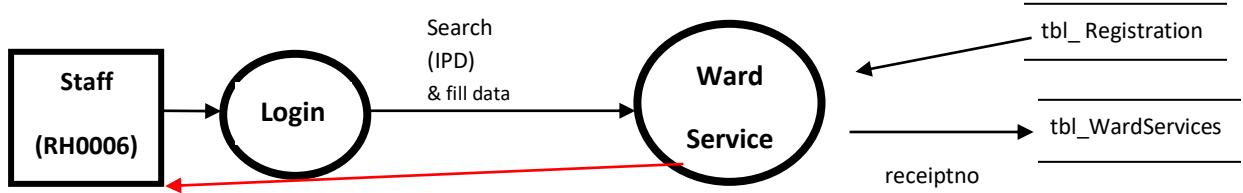
7. Decision Module:



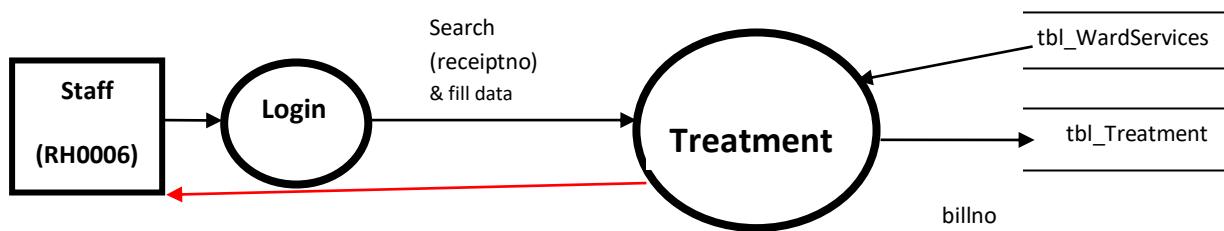
8. Registration Module:



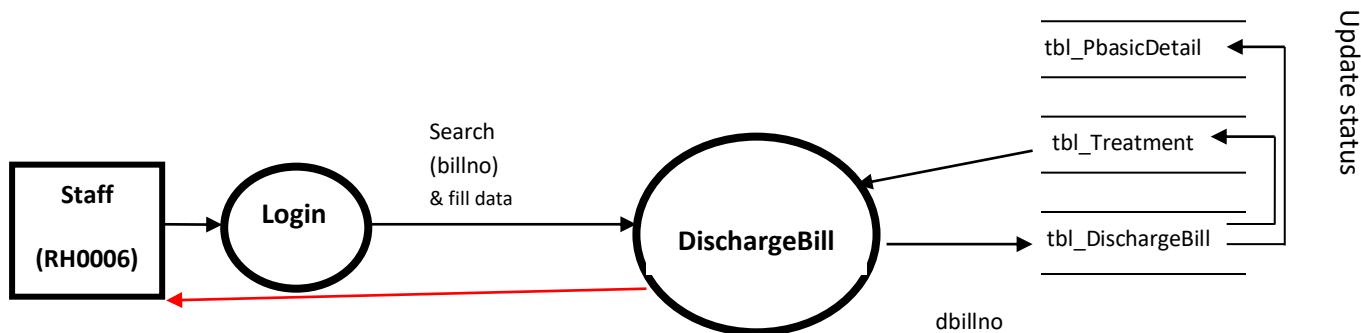
9. Ward Module:



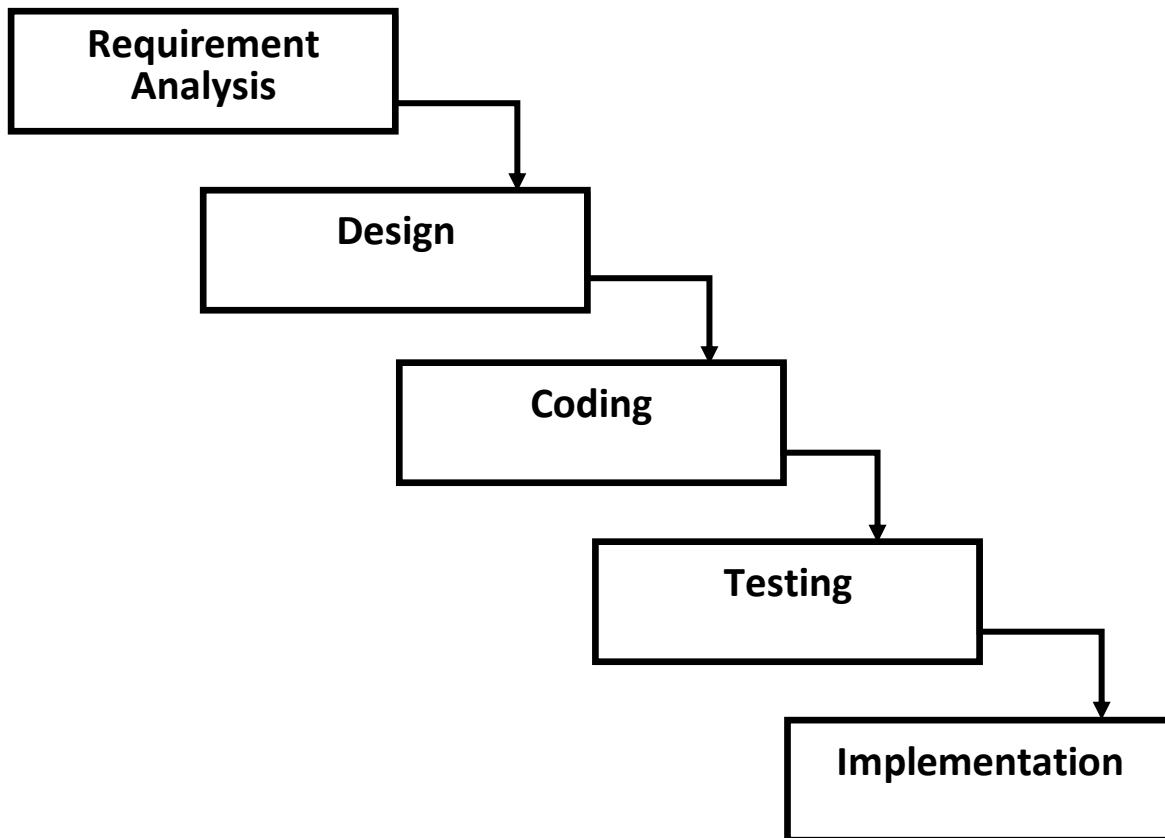
10. Treatment Module:



11. Discharge Bill Module:



4.3 Waterfall Model



4.4 Module Description

- 1) Login Module: - In this module, **Username** and **Password** will be entered by user. Only verified users can use this system otherwise not. I have also added some features related to login module. Whenever the user will open the login form, they will see a **menu** button at the top, on the clicking the menu button some **submenus** will be display, which are as follows:-
 - i. **Create new account** :- When user will click this submenu then one form will be display where users can create own login account. Only that doctors or staff can create their login account on this system who is a verified member of Rajeshwar Hospital. Mobile number, Username and Password have to be entered while creating the account and users have to follow some rules which are as follows:-
 - ❖ **Mobile number:** - The mobile number should always start with **6,7,8,9** only and the length should always be **10** characters only, neither less nor more than that. Only numbers can be entered in the text box of mobile number. We can't enter alphabets, special keywords in this field.
 - ❖ **Username:** - The length of username should not be more than **20** characters. Users can input username in any case but this system will convert it to **proper case** automatically. In this field user can input only alphabets, special characters and numbers are not allowed here.
 - ❖ **Password:** - Password length should not be more than **8** characters. The login account will not be created until user entered a strong password (characters + numbers + special characters).
 - ii. **Forgot Password:** - If the user forgets his/her password, then through this form he/she can generate password again. The user will only have to enter his/her mobile number, if verified; a frame will open containing the input field of "**New Password**" and "**Confirm Password**". The user will input the data with the strong password (less than or equal to 8 characters) and his/her new password will be updated.
 - iii. **Change Password:** - If the user wants to change his/her current password, then the user has to enter his/her mobile number and current password. If verified; a frame will open containing the input field of "**New Password**" and "**Confirm Password**". The user will input the data with the strong password (less than or equal to 8 characters) and his/her new password will be updated.
- 2) Doctor/Staff Detail Module: - In this module, the doctors and staffs will be registered. Where there personal details (id, name, mobile number, department id, service name and image) can be saved, updated, deleted and searched (by id).
- 3) Patient Detail Module: - In this module, patient's details will be saved, updated, deleted and searched [By patient-(patient number, name, mobile number and allergy)] by staff. I have also added **navigation buttons** like next, previous, first, last. If patients have reference, then to save reference detail "**OPEN**" button has to be clicked which is present in the patient form. As soon as the reference data is saved, its reference number will show in the reference frame of the patient's form. After that the patient's data will be saved.

- 4) **Appointment Module:** - In this module, the appointment of the patient with the doctor will be fixed by the staff. The staff can also know which doctor's appointment is already fixed in which date-time. In this module, data can also be deleted. How many doctors are there in which department can also be seen.
- 5) **Prescription Module:** - In this module, patients data will be inputted by the doctor. In which the medicines and lab tests to be given to the patient will be written by doctor. This module can also be printed. If the patient's reference number is available, then that patient will get 20% discount in OPD fee.
- 6) **Lab Test Module:** - In this module, the patient will be tested by the pathology department's staff and the report will be provided to the patient.
- 7) **Decision Module:** - In this module, the doctor will give patients decision after seeing the patient's lab test report and that data will be saved in this module.
- 8) **Registration Module:** - If the patient is "**Inpatient**", then in this module the registration process of that patient will be completed by the staff of the "**Registration Department**". From this module, the **IPD** number of that patient will be generated. This form can also be printed.
- 9) **Ward/Service Module:** - The ward/service related data of the patient, who is inpatient, will be saved in this module like department id, ward/room services, room type, bed number, bed price. In this module, which service bed of which department is empty can also be seen.
- 10) **Treatment Module:** - In this module, all the data related to the treatment will be saved.
- 11) **Discharge Bill Module:** - In this module, the data of the discharge bill of the patient to be discharged will be saved. This form can also be printed. If the patient's reference number is available, then that patient will get 10% discount in discharge bill amount. The bill amount always be in the range figure.

4.5 Database Design

1. Department database

SQL> desc tbl_DepartmentDetail;		Null?	Type
Name			
DEPTID		NOT NULL	CHAR(6)
DEPTNAME		NOT NULL	VARCHAR2(12)

2. Doctor Detail database

```
SQL> desc tbl_DrDetail;
Name          Null?    Type
-----        -----
DID           NOT NULL VARCHAR2(4)
DNAME          NOT NULL VARCHAR2(20)
DMOBILE         NOT NULL NUMBER(10)
DEPTID          NOT NULL CHAR(6)
SERVICENM       VARCHAR2(28)
DIMG            NOT NULL VARCHAR2(50)
```

3. Doctor Login database

```
SQL> desc tbl_DrLogin;
Name          Null?    Type
-----        -----
MOBILE         NOT NULL NUMBER(10)
USERNAME        NOT NULL VARCHAR2(20)
PASSWORD        NOT NULL VARCHAR2(8)
```

4. Staff Detail database

```
SQL> desc tbl_Sdetail;
Name          Null?    Type
-----        -----
SID            NOT NULL VARCHAR2(4)
SNAME           NOT NULL VARCHAR2(20)
SMOBILE          NOT NULL NUMBER(10)
DEPTID          NOT NULL CHAR(6)
SERVICENM       VARCHAR2(28)
SIMG            NOT NULL VARCHAR2(50)
```

5. Staff Login database

```
SQL> desc tbl_StLogin;
Name          Null?    Type
-----        -----
MOBILE         NOT NULL NUMBER(10)
USERNAME        NOT NULL VARCHAR2(20)
PASSWORD        NOT NULL VARCHAR2(8)
```

6. Patient database

```
SQL> desc tbl_PbasicDetail;
Name          Null?    Type
-----        -----
PNO             NOT NULL CHAR(4)
PNAME            NOT NULL VARCHAR2(20)
PFATHERNAME      NOT NULL VARCHAR2(20)
PDOB              NOT NULL CHAR(10)
PAGE              NOT NULL NUMBER(38)
PGEN              NOT NULL CHAR(1)
PMS               NOT NULL CHAR(1)
```

7. Reference database

```
SQL> desc tbl_Reference;
Name          Null?    Type
-----        -----
REFNO          NOT NULL CHAR(4)
REFNAME        NOT NULL VARCHAR2(20)
REFGEN         NOT NULL CHAR(1)
REFADD         NOT NULL VARCHAR2(100)
REFMOBILE      NOT NULL NUMBER(10)
REFPOST        NOT NULL VARCHAR2(30)
```

8. Appointment database

```
SQL> desc tbl_Appointments;
Name          Null?    Type
-----        -----
APPNO          NOT NULL CHAR(4)
ADATE          NOT NULL CHAR(10)
DEPTID         NOT NULL CHAR(6)
DEPTNM         NOT NULL VARCHAR2(12)
DOCTORNAME     NOT NULL VARCHAR2(20)
SERVICENM      VARCHAR2(28)
AFEE           NOT NULL NUMBER(5,2)
PNO            NOT NULL CHAR(4)
DISEASE         VARCHAR2(20)
ST1             NOT NULL CHAR(11)
APPFIXEDBY     VARCHAR2(20)
REFNO          CHAR(4)
STATUS          CHAR(8)
```

9. Prescription database

```
SQL> desc tbl_Prescription;
Name          Null?    Type
-----        -----
RECEIPT        NOT NULL CHAR(4)
RDATE          NOT NULL VARCHAR2(30)
PNO            NOT NULL CHAR(4)
NAME           NOT NULL VARCHAR2(20)
DOB             NOT NULL CHAR(10)
PERADD         NOT NULL VARCHAR2(100)
DISEASE         NOT NULL VARCHAR2(20)
```

10. Lab Test database

```
SQL> desc tbl_LabTest;
Name          Null?    Type
-----        -----
LABREPORTNO   NOT NULL VARCHAR2<4>
LDATE         VARCHAR2<30>
RECEIPT        NOT NULL CHAR<4>
GROUP1         VARCHAR2<30>
GROUP2         VARCHAR2<30>
GROUP3         VARCHAR2<30>
GROUP4         VARCHAR2<30>
GROUP5         VARCHAR2<30>
LABTEST1       VARCHAR2<20>
LABTEST2       VARCHAR2<20>
LABTEST3       VARCHAR2<20>
LABTEST4       VARCHAR2<20>
LABTEST5       VARCHAR2<20>
CHARGE1        VARCHAR2<10>
CHARGE2        VARCHAR2<10>
CHARGE3        VARCHAR2<10>
CHARGE4        VARCHAR2<10>
CHARGE5        VARCHAR2<10>
TOTAL1         VARCHAR2<10>
TOTAL2         VARCHAR2<10>
TOTAL3         VARCHAR2<10>
TOTAL4         VARCHAR2<10>
TOTAL5         VARCHAR2<10>
RESULT1        VARCHAR2<13>
RESULT2        VARCHAR2<13>
RESULT3        VARCHAR2<13>
RESULT4        VARCHAR2<13>
RESULT5        VARCHAR2<13>
STATUS          VARCHAR2<8>
REFNO          CHAR<4>
```

11. Decision database

```
SQL> desc tbl_Decision;
Name          Null?    Type
-----        -----
UHID          NOT NULL CHAR<4>
PNO           CHAR<4>
RECEIPT        NOT NULL CHAR<4>
DOCTORNAME    NOT NULL VARCHAR2<20>
DECISION      NOT NULL VARCHAR2<10>
DDATE         NOT NULL VARCHAR2<30>
```

12. Registration database

Name	Null?	Type
IPD	NOT NULL	CHAR(4)
UHID	NOT NULL	CHAR(4)
IPDDATE	NOT NULL	VARCHAR2(23)
PNO	NOT NULL	CHAR(4)
PNM	NOT NULL	VARCHAR2(20)
PFNM	NOT NULL	VARCHAR2(20)
AGE	NOT NULL	NUMBER(38)
SEX	NOT NULL	CHAR(1)
PPERADD	NOT NULL	VARCHAR2(100)
MOBILE	NOT NULL	NUMBER(10)
RECEIPT	NOT NULL	CHAR(4)
STATUS		CHAR(5)
REFNO		CHAR(4)
LABREPORTNO		CHAR(4)
REGFEE	NOT NULL	NUMBER(5,2)
SERVICENM		VARCHAR2(28)
DEPTID		CHAR(6)

13. Ward/Service database

Name	Null?	Type
RECEIPTNO	NOT NULL	CHAR(4)
IPD	NOT NULL	CHAR(4)
UHID	NOT NULL	CHAR(4)
PNO	NOT NULL	CHAR(4)
SERVICE	NOT NULL	VARCHAR2(28)
ROOMTYPE	NOT NULL	VARCHAR2(19)
ROOMNO	NOT NULL	VARCHAR2(5)
PTYPE	NOT NULL	VARCHAR2(10)
BEDNUMBER	NOT NULL	NUMBER(38)
PRICE	NOT NULL	NUMBER(6,2)
WDATETIME	NOT NULL	VARCHAR2(30)
STATUS	NOT NULL	CHAR(5)
DEPTID		CHAR(6)

14. Treatment database

Name	Null?	Type
BILLNO	NOT NULL	CHAR(4)
IPD	NOT NULL	CHAR(4)
UHID	NOT NULL	CHAR(4)
PNO	NOT NULL	CHAR(4)
RECEIPTNO	NOT NULL	CHAR(4)
PNM	NOT NULL	VARCHAR2(20)

15. Discharge Bill database

Name	Null?	Type
DBILLNO	NOT NULL	CHAR(4)
BILLNO	NOT NULL	CHAR(4)
DDATE		VARCHAR2(30)
TOTALBILL		NUMBER(10,2)
TOTALPAID		NUMBER(10,2)
DUESAMOUNT		NUMBER(10,2)
DISCOUNT		NUMBER(6,2)
NETAMOUNT		NUMBER(10,2)
PAIDAMOUNT	NOT NULL	NUMBER(10,2)
BILLPREPAREDBY		VARCHAR2(20)
BILLPTIME		VARCHAR2(15)
PAYMENTMODE	NOT NULL	VARCHAR2(15)
DTYPE	NOT NULL	CHAR(5)
TOTALADVANCE		NUMBER(10,2)
STATUS		CHAR(5)

4.6 Table Description

The table description contains details of tables which are going to be used in this project. Table details include table-name, its attributes, data-type, data-size, constraints which are being applicable over the attribute and also description of attributes. Example: -

Table-Name				
Field Name	Data-Type	Data-Size	Constraint	Description

1. Department Table:-

tbl_DepartmentDetail				
Field Name	Data-Type	Data-Size	Constraint	Description
Deptid	char	6	Primary Key	Department ID
Deptname	varchar	12	Unique and Not Null	Department Name

2. Doctor Detail Table:-

tbl_DrDetail				
Field Name	Data-Type	Data-Size	Constraint	Description
Did	varchar	4	Primary Key	Doctor ID
Dname	varchar	20	Not Null	Doctor Name
Dmobile	number	10	Not Null	Doctor Mobile No.
Deptid	char	6	Not Null	Department ID
Servicenm	varchar	28	Default Null	Service Name
Dimg	varchar	50	Not Null	Doctor Image

3. Doctor Login Table:-

tbl_DrLogin				
Field Name	Data-Type	Data-Size	Constraint	Description
Mobile	number	10	Primary Key	Doctor Mobile No.
Username	varchar	20	Not Null	Username
Password	varchar	8	Not Null	Password

4. Staff Detail Table:-

tbl_Sdetail				
Field Name	Data-Type	Data-Size	Constraint	Description
Sid	varchar	4	Primary Key	Staff ID
Sname	varchar	20	Not Null	Staff Name
Smobile	number	10	Not Null	Staff Mobile No.
Deptid	char	6	Not Null	Department ID
Servicenm	varchar	28	Default Null	Service Name
Simg	varchar	50	Not Null	Staff Image

5. Staff Login Table:-

tbl_StLogin				
-------------	--	--	--	--

Field Name	Data-Type	Data-Size	Constraint	Description
Mobile	number	10	Primary Key	Staff Mobile No.
Username	varchar	20	Not Null	Username
Password	varchar	8	Not Null	Password

6. Patient Detail Table:-

tbl_PbasicDetail				
Field Name	Data-Type	Data-Size	Constraint	Description
Pno	char	4	Primary Key	Patient No.
Pname	varchar	20	Not Null	Patient Name
Pfathername	varchar	20	Not Null	Patient's Father Name
Pdob	char	10	Not Null	Patient's Date of Birth
Page	int		Not Null, check (>0)	Patient's Age
Pgen	char	1	Not Null, check (M,F)	Patient's Gender
Pms	char	1	Not Null, check (M,U)	Patient's Marital Status
Pbloodg	char	3	Default Null	Patient's Blood Group
Preligion	char	9	Default Null	Patient's Religion
Presadd	varchar	100	Not Null	Patient's Residential Address
Pperadd	varchar	100	Not Null	Patient's Permanent Address
Pdoorno	int		Default Null	Patient's Door No.
Pstreet	varchar	20	Not Null	Patient's Street Name
Ptown	varchar	20	Default Null	Patient's Town
Ppo	varchar	20	Default Null	Patient's Post Office
Ptaluk	varchar	20	Default Null	Patient's Taluk
Pdistrict	varchar	20	Not Null	Patient's District
Pstate	varchar	20	Not Null	Patient's State
Pcountry	char	5	Not Null	Patient's Country
Ppincode	number	10	Default Null	Patient's Pin code
Pmobile	number	10	Not Null	Patient's Mobile No.
Pallergy	varchar	25	Default Null	Patient's Allergy Name
Pimg	varchar	50	Default Null	Patient's Image
Status	char	8	Default Null	Current Status of Patient
Refno	char	4	Default Null	Patient's Reference No.

7. Reference Detail Table:-

tbl_Reference				
Field Name	Data-Type	Data-Size	Constraint	Description
refno	char	4	Primary Key	Patient's Reference No.
refname	varchar	20	Not Null	Reference Name
refgen	char	1	Not Null, Check (M,F)	Reference Gender
refadd	varchar	100	Not Null	Reference Address
refmobile	number	10	Not Null	Reference Mobile No.
refpost	varchar	30	Not Null	Reference Post

8. Patient's Appointment Table:-

tbl_Appointments	

Field Name	Data-Type	Data-Size	Constraint	Description
Appno	char	4	Primary Key	Patient's Appointment No.
Adate	char	10	Not Null	Appointment Date
Deptid	char	6	Not Null	Department ID
DeptNm	varchar	12	Not Null	Department Name
Doctorname	varchar	20	Not Null	Doctor Name
Servicenm	varchar	28	Default Null	Service Name
Afee	number	5,2	Not Null	Appointment Fee
Pno	char	4	Not Null	Patient No.
Disease	varchar	20	Default Null	Disease
st1	char	11	Not Null	Schedule Time
appFixedBy	varchar	20	Default Null	Appointment Fixed By
Refno	char	4	Default Null	Patient's Reference No.
Status	char	8	Default Null	Current Status of Patient

9. Prescription Table:-

tbl_Prescription				
Field Name	Data-Type	Data-Size	Constraint	Description
Receipt	char	4	Primary Key	Prescription Receipt No.
Rdate	varchar	30	Not Null	Prescription Date
Pno	char	4	Foreign Key, Not Null	Patient No.
Name	varchar	20	Not Null	Patient Name
Dob	char	10	Not Null	Patient Date of Birth
Peradd	varchar	100	Not Null	Patient's Permanent address
Disease	varchar	20	Not Null	Disease
medicine1	varchar	30	Default Null	Medicine1
medicine2	varchar	30	Default Null	Medicine2
medicine3	varchar	30	Default Null	Medicine3
medicine4	varchar	30	Default Null	Medicine4
medicine5	varchar	30	Default Null	Medicine5
medicine6	varchar	30	Default Null	Medicine6
labtest1	varchar	20	Default Null	Labtest1
labtest2	varchar	20	Default Null	Labtest2
labtest3	varchar	20	Default Null	Labtest3
labtest4	varchar	20	Default Null	Labtest4
labtest5	varchar	20	Default Null	Labtest5
Fee	number	5,2	Not Null	OPD Fee
Doctorname	varchar	20	Not Null	Doctor Name
Status	varchar	8	Default Null	Current Status of Patient
Labtest	char	1	Default Null	Lab test Status
Refno	char	4	Default Null	Patient's Reference No.
Servicenm	char	28	Default Null	Service Name

10. Labtest Table:-

tbl_LabTest				
Field Name	Data-Type	Data-Size	Constraint	Description
LabReportNo	varchar	4	Primary Key	Lab Report No.
Ldate	varchar	30	Default Null	Report No. Issue Date
Receipt	char	4	Foreign Key	Prescription Receipt No.
group1	varchar	30	Default Null	Lab Test1 Group Name
group2	varchar	30	Default Null	Lab Test2 Group Name
group3	varchar	30	Default Null	Lab Test3 Group Name
group4	varchar	30	Default Null	Lab Test4 Group Name
group5	varchar	30	Default Null	Lab Test5 Group Name
labtest1	varchar	20	Default Null	Lab Test1 Name
labtest2	varchar	20	Default Null	Lab Test2 Name
labtest3	varchar	20	Default Null	Lab Test3 Name
labtest4	varchar	20	Default Null	Lab Test4 Name
labtest5	varchar	20	Default Null	Lab Test5 Name
charge1	varchar	10	Default Null	Lab Test1 Charge
charge2	varchar	10	Default Null	Lab Test2 Charge
charge3	varchar	10	Default Null	Lab Test3 Charge
charge4	varchar	10	Default Null	Lab Test4 Charge
charge5	varchar	10	Default Null	Lab Test5 Charge
total1	varchar	10	Default Null	Lab Test1 Total Amount
total2	varchar	10	Default Null	Lab Test2 Total Amount
total3	varchar	10	Default Null	Lab Test3 Total Amount
total4	varchar	10	Default Null	Lab Test4 Total Amount
total5	varchar	10	Default Null	Lab Test5 Total Amount
result1	varchar	13	Default Null	Lab Test1 Result
result2	varchar	13	Default Null	Lab Test2 Result
result3	varchar	13	Default Null	Lab Test3 Result
result4	varchar	13	Default Null	Lab Test4 Result
result5	varchar	13	Default Null	Lab Test5 Result
Status	varchar	8	Default Null	Current Status of Patient
Refno	char	4	Default Null	Patient's Reference No.

11. Decision Table:-

Tbl_Decision				
Field Name	Data-Type	Data-Size	Constraint	Description
UHID	char	4	Primary Key	Patient's UHID No.
pno	char	4	Foreign Key	Patient No.
receipt	char	4	Foreign Key , Not Null	Patient's Prescription Receipt No.
doctorno	varchar	20	Not Null	Doctor name
decision	varchar	10	Not Null	Doctor's Decision
ddate	varchar	30	Not Null	Date
LabReportNo	char	4	Default Null	Patient's Lab Report No
refno	char	4	Default Null	Patient's Reference No.
servicenm	varchar	28	Default Null	Service Name
deptid	char	6	Default Null	Department ID

12. Registration Table:-

Tbl_Registration				
Field Name	Data-Type	Data-Size	Constraint	Description
ipd	char	4	primary Key	Patient's IPD No.
Uhid	char	4	Foreign Key, Not Null	Patient's UHID No.
Ipddate	varchar	23	Not Null	Patient's Registration Date
Pno	char	4	Foreign Key, Not Null	Patient No.
pnm	varchar	20	Not Null	Patient Name
Pfnm	varchar	20	Not Null	Patient's Father Name
Age	int		Not Null	Patient's Age
Sex	char	1	Not Null	Patient's Gender
Pperadd	varchar	100	Not Null	Patient's Permanent Address
Mobile	number	10	Not Null	Patient's Mobile No.
Receipt	char	4	Not Null	Patient's Prescription Receipt No.
Status	char	5	Default Null	Current Status of Patient
Refno	char	4	Default Null	Patient's Reference No.
LabReportNo	char	4	Default Null	Patient's Lab Report No.
RegFee	number	5,2	Not Null	Registration Fee
Servicenm	varchar	28	Default Null	Service Name
Deptid	char	6	Default Null	Department ID

13. Ward/Service Table:-

Tbl_WardServices				
Field Name	Data-Type	Data-Size	Constraint	Description
receiptno	char	4	primary Key	Patient's Ward/Service Receipt No.
ipd	char	4	Foreign Key, Not Null	Patient's IPD No.
UHID	char	4	Foreign Key, Not Null	Patient's UHID No.
pno	char	4	Foreign Key, Not Null	Patient No.
Service	varchar	28	Not Null	Service
roomtype	varchar	19	Not Null	Room Type
roomno	varchar	5	Not Null	Room No.
Ptype	varchar	10	Not Null	Patient Type
bednumber	int		Not Null	Bed Number
price	number	6,2	Not Null	Bed Price Per Day
wdatetime	varchar	30	Not Null	Admitted Date-Time
status	char	5	Not Null	Current Status of Patient
deptid	char	6	Default Null	Department ID

14. Treatment Table:-

Submitted By: Shivani Kumari (18166)

tbl_Treatment				
Field Name	Data-Type	Data-Size	Constraint	Description
Billno	char	4	Primary Key	Patient's Treatment Bill No.
lpd	char	4	Foreign Key, Not Null	Patient's IPD No.
UHID	char	4	Foreign Key, Not Null	Patient's UHID No.
Pno	char	4	Foreign Key, Not Null	Patient No.
Receiptno	char	4	Foreign Key, Not Null	Patient's Ward/Service Receipt No.
pnm	varchar	20	Not Null	Patient Name
Pfnm	varchar	20	Not Null	Patient's Father Name
Page	int		Not Null	Patient's Age
Psex	char	1	Not Null	Patient's Gender
Address	varchar	100	Not Null	Patient's Permanent Address
Mobile	number	10	Not Null	Patient's Mobile No.
Service	varchar	28	Not Null	Service Name
Roomtype	varchar	19	Not Null	Room Type
Roomno	varchar	5	Not Null	Room No.
Ptype	varchar	10	Not Null	Patient Type
Bednumber	int		Not Null	Bed Number
Price	number	6,2	Not Null	Bed Price Per Day
Admissiondate	varchar	30	Not Null	Admitted Date-Time
LabReportNo	char	4	Default Null	Lab Report No
Refno	char	4	Default Null	Patient's Reference No.
Abill1	char	4	Not Null	First Advance Bill No.
Adate1	varchar	10	Not Null	First Advance Bill Date
Aamount1	number	6,2	Not Null	First Advance Amount
Abill2	char	4	Not Null	Second Advance Bill No.
Adate2	varchar	10	Not Null	Second Advance Bill Date
Aamount2	number	10,2	Not Null	Second Advance Amount
Slno	char	4	Not Null	Visited Doctors Bill No.
visited_Dr1_nm	varchar	20	Default Null	Visited First Doctor's Name
dr1_billdate	varchar	10	Default Null	Visited First Doctor's Date
dr1_charge	number	6,2	Default Null	Visited First Doctor's Charge
dr1_visit_times	int		Default Null	First Doctor's Visit Times
dtotal1	number	10,2	Default Null	First Doctor's Total Bill Amount
visited_Dr2_nm	Varchar	20	Default Null	Visited Second Doctor's Name
dr2_billdate	Varchar	10	Default Null	Visited Second Doctor's Date
dr2_charge	Number	6,2	Default Null	Visited Second Doctor's Charge
dr2_visit_times	Int		Default Null	Second Doctor's Visit Times
dtotal2	number	10,2	Default Null	Second Doctor's Total Bill Amount
Operation_Charge	Number	10,2	Not Null	Operation Charge
Nurshing_Charge	Number	6,2	Not Null	Nursing Charge
Status	char	4	Not Null	Current Status of Patient

15. Discharge Bill Table:-

Tbl_Dischargebill				
Field Name	Data-Type	Data-Size	Constraint	Description
dbillno	char	4	Primary Key	Patient's Discharge Bill No.
billno	char	4	Foreign Key	Patient's Treatment Bill No.
ddate	varchar	30	Default Null	Patient's Discharge Date
totalbill	number	10,2	Default Null	Patient's Discharge Total Bill Amount
totalpaid	number	10,2	Default Null	Patient's Discharge Total Paid Amount
duesamount	number	10,2	Default Null	Patient's Discharge Dues Amount
discount	number	6,2	Default Null	Patient's Discharge Discount Amount
netamount	number	10,2	Default Null	Patient's Discharge Net Amount
paidamount	number	10,2	Not Null	Patient's Discharge Paid Amount
billpreparedby	varchar	20	Default Null	Patient's Discharge Bill Prepared By
billptime	varchar	15	Default Null	Patient's Discharge Bill Preparation Time
paymentmode	varchar	15	Not Null	Payment Mode
dtype	char	5	Not Null	Patient's Discharge Type
totaladvance	number	10,2	Default Null	Total Advance Amount
status	char	5	Default Null	Current Status of Patient

Chapter 5. Project Planning and Coding

Submitted By: Shivani Kumari (18166)

5.1 Project Planning

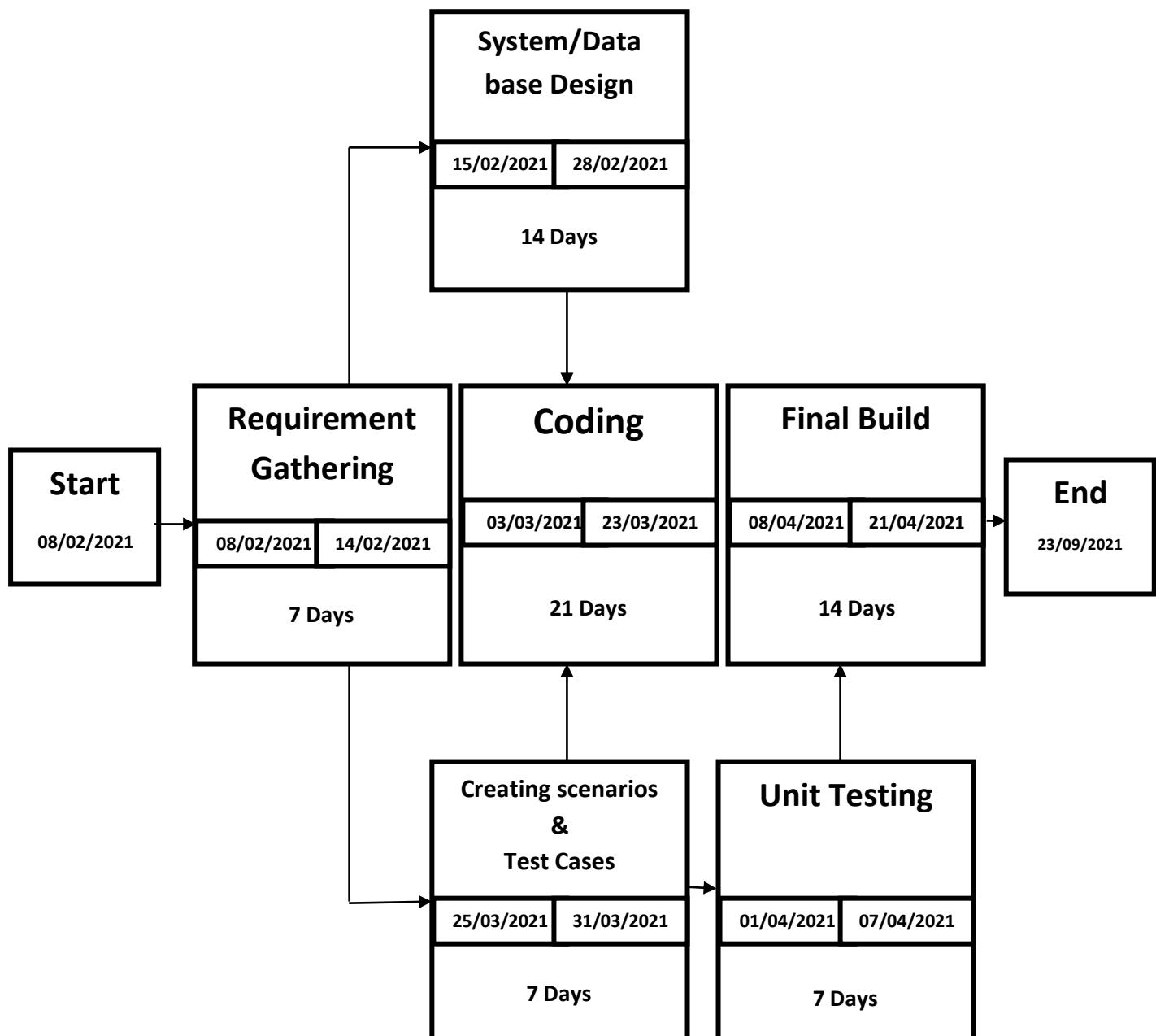
Project planning is part of project management, which relates to the use of schedules such as Gantt charts to plan and subsequently report progress within the project environment. Initially, the project scope is defined and the appropriate methods for completing the project are determined.

<u>PHASES</u>	<u>DEVELOPED BY</u>	<u>TOTALDAYS</u>
1. ANALYSIS • DATA GATHERING • FEASIBILITY STUDY • COST BENEFIT ANALYSIS • PROJECT PROPOSAL	SHIVANI KUMARI	7
2. DESIGN	SHIVANI KUMARI	14
3. CODING	SHIVANI KUMARI	21
4. TESTING	SHIVANI KUMARI	28
5. IMPLEMENTATION	SHIVANI KUMARI	1
6. DOCUMENTATION	SHIVANI KUMARI	7

5.2 GANTT Chart

Date	1 st 08/02/2021 To	2 nd 15/02/2021 To	3 rd 03/03/2021 To	4th 25/03/2021 To	5th 01/04/2021 To	6th 08/04/2021 To	7th 21/09/2021 To	8 th 15/09/2021 To
Requirement Gathering								
System/ Database Design								
Coding								
Creating Scenarios & Test Cases								
Unit Testing								
Final Build								
Implementation								
Documentation								

5.3 PERT Chart



5.4 Project code, Screen Shots & Reports

1. Home Page

a) Code:

```
Private Sub Form_Load()
Me.Left = 0
Me.Top = 0
If MDIForm1.M_LOGIN = True Then
    Timer3.Enabled = True
End If
End Sub

Private Sub Timer1_Timer()
Label5.Left = Label5.Left + 10
If Label5.Left > Form5.ScaleWidth Then
    Label5.Left = Form5.ScaleLeft
End If
End Sub

Private Sub Timer2_Timer()
Image12.Left = Image12.Left + 10
If Image12.Left > Form5.ScaleWidth Then
    Image12.Left = Form5.ScaleLeft
End If
End Sub

Private Sub Timer3_Timer()
On Error GoTo errormsg
frameLoad1.Visible = True
PBar1.Value = PBar1.Value + 5
cmdLoad1.Caption = PBar1.Value & "%"
If (PBar1.Value = PBar1.Max) Then
    Timer3.Enabled = False
    cmdLoad1.Visible = False
    PBar1.Visible = False
    frameLoad1.Visible = False
    Form1.Show
End If
errormsg:
End Sub

Private Sub Timer6_Timer()
Label4.Caption = Date & " " & Time
End Sub
```

b) Screen Shot:



2. MDI Form

a) Code:

```
Private Sub M_Department_Click()
    Form10.Show
End Sub

Private Sub M_Help_Click()
    MsgBox "Developed By :- Shivani Kumari." & vbCrLf & "From :- Arcade Business
College." & vbCrLf & "Project Code :- PRJ2032K" & vbCrLf & "2021" & vbCrLf &
"Thank You :)", vbInformation, "IPIMS"
End Sub

Private Sub M_LOGIN_Click()
    Form5.Show
    Form1.Show
End Sub

Private Sub M_logout_Click()
    HOME
    Me.M_MENU.Enabled = True
    Form5.Hide
End Sub

Private Sub M_member_Click()
    Form12.Show
End Sub
```

```
Private Sub MDIForm_Load()
    Form5.Show
    Form5.frameLoad1.Visible = True
    Form5.Timer3.Enabled = True
End Sub
```

b) Screen Shot:



3. Login Form

a) Code:

```
Public Function clean()
    txtuserid.Text = ""
    txtpassword.Text = ""
End Function

'Login Button
Private Sub cmdlogin_Click()
    If optdoctor = False And optstaff = False Then 'Checking
    optdoctor,optstaff,optpatient=false ?
    MsgBox "select user type.", vbExclamation + vbOKOnly, "Login Status"
    clean
    Exit Sub
End If

If txtuserid.Text = "" And txtpassword.Text = "" Then 'Checking username and password
are blank ?
    MsgBox "Fill all Fields.", vbExclamation + vbOKOnly, "Login Status"
    txtuserid.SetFocus
```

```
Exit Sub
End If
If txtuserid.Text = "" Then 'Checking userid is blank ?
    MsgBox "Enter Username", vbExclamation + vbOKOnly, "Login Status"
    txtuserid.SetFocus
    Exit Sub
End If
If txtpassword.Text = "" Then 'Checking password is blank ?
    MsgBox "Enter Password", vbExclamation + vbOKOnly, "Login Status"
    txtpassword.SetFocus
    Exit Sub
End If
'if both the field is not blank then
If txtuserid.Text <> "" And txtpassword.Text <> "" Then
    'For DOCTOR LOGIN
    If optdoctor.Value = True Then
        fun
        userid = txtuserid.Text
        rs.Open "select * from tbl_DrLogin where username=''" & userid & "' and password=''" &
        Text2.Text & "'", conn, adOpenDynamic, adLockOptimistic
        If rs.EOF = True Then
            MsgBox "Invalid Username OR Password !! Please enter a valid Username and
            Password", vbCritical + vbOKOnly, "Doctor_Login"
            clean
            txtuserid.SetFocus
        Else
            MsgBox "Correct Username and Password", vblInformation + vbOKOnly,
            "Doctor_Login"
            Form17.Label5.Caption = txtuserid.Text
            Unload Form2
            Unload Form1
            Unload Form3
            Unload Form4
            Form1.Hide
            Form6.Show
            rs.Close
        End If
    End If
    'For STAFF LOGIN
    If optstaff.Value = True Then
        fun
        userid = txtuserid.Text
        rs.Open "select * from tbl_StLogin where username=''" & userid & "' and password=''" &
        Text2.Text & "'", conn, adOpenDynamic, adLockOptimistic
        If rs.EOF = True Then
            MsgBox "Invalid Username OR Password !! Please enter a valid Username and
            Password", vbCritical + vbOKOnly, "Staff_Login"
```

```
clean
txtuserid.SetFocus
Else
    MsgBox "Correct Username and Password", vbInformation + vbOKOnly, "Staff_Login"
    Form17.Label5.Caption = txtuserid.Text
    Form16.Label171.Caption = txtuserid.Text
    Form7.Label2.Caption = Me.txtuserid.Text
    Unload Form2
    Unload Form1
    Unload Form3
    Unload Form4
    Form1.Hide
    Form7.Show
    rs.Close
End If
End If
End If
End Sub

Private Sub cmdSubmit_Click()
    Frame1.Visible = True
    txtuserid.SetFocus
End Sub

Private Sub Form_Load()
    Form15.txtAppFixBy.Text = txtuserid.Text
    optdoctor.Value = False
    optstaff.Value = False
    Frame1.Visible = False
    Check1.Caption = "SHOW"
    Check2.Caption = "HIDE"
    Check2.Enabled = False
    Check1.Visible = False
    Check2.Visible = True
    Check1.ForeColor = vbRed
    Check2.ForeColor = vbRed
    Text2.Visible = False
    Text3.Visible = False
End Sub

Private Sub L_Change_Password_Click()
    Unload Form2
    Unload Form3
    Form4.Show
End Sub

Private Sub L_Create_New_Account_Click()
```

```
Unload Form3
Unload Form4
Form2.Show
End Sub

Private Sub L_Forgot_Password_Click()
Unload Form2
Unload Form4
Form3.Show
End Sub

Private Sub M_BACK_Click()
Unload Form1
Unload Form2
Unload Form3
Unload Form4
Unload Form5
End Sub

Private Sub txtpassword_Change()
If Check2.Value = 0 Then
    Text2.Text = txtpassword.Text
Else
End If
Text3.Text = Len(Text2.Text)
Check2.Enabled = True
End Sub

Private Sub txtuserid_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    txtpassword.SetFocus
End If
End Sub

Private Sub txtpassword_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    cmdlogin.SetFocus
End If
End Sub

Private Sub txtuserid_LostFocus()
txtuserid.Text = StrConv(txtuserid.Text, vbProperCase)
End Sub

Private Sub Check1_Click()
If Check1.Value = 1 Then
    txtpassword.Text = Text2.Text
End Sub
```

```
Check2.Value = 0
Check1.Visible = False
Check2.Visible = True
End If
End Sub

Private Sub Check2_Click()
Check1.Value = 0
Check2.Visible = False
Check1.Visible = True
If Check2.Value = 1 Then
If Text3.Text = "1" Then
txtpassword.Text = "*"
End If
If Text3.Text = "2" Then
txtpassword.Text = "***"
End If

If Text3.Text = "3" Then
txtpassword.Text = "****"
End If

If Text3.Text = "4" Then
txtpassword.Text = "*****"
End If

If Text3.Text = "5" Then
txtpassword.Text = "*****"
End If

If Text3.Text = "6" Then
txtpassword.Text = "*****"
End If

If Text3.Text = "7" Then
txtpassword.Text = "*****"
End If

If Text3.Text = "8" Then
txtpassword.Text = "*****"
End If
End Sub
```

b) Screen Shot:

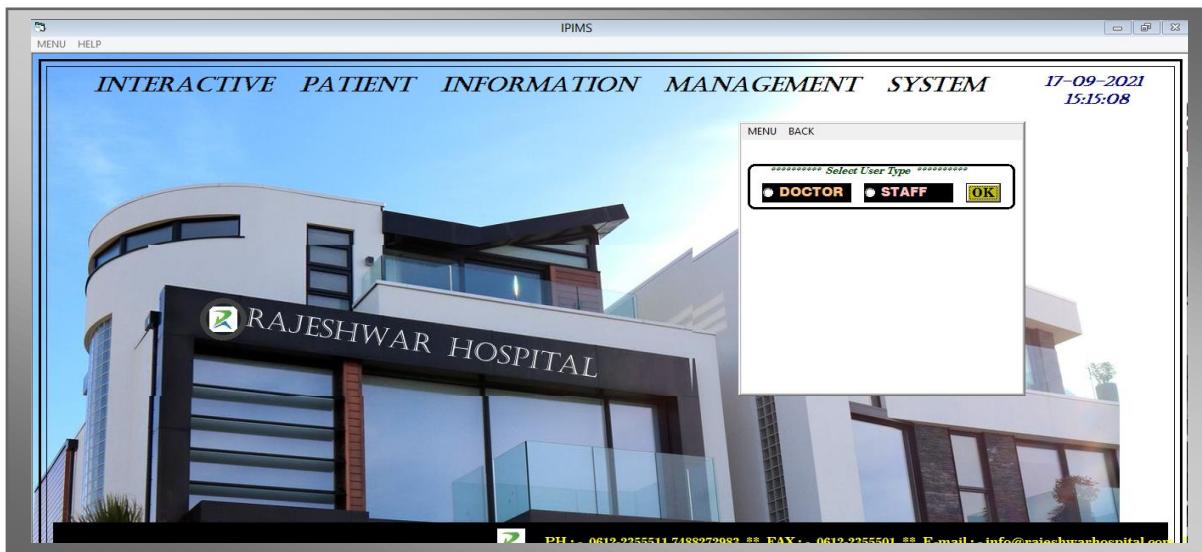
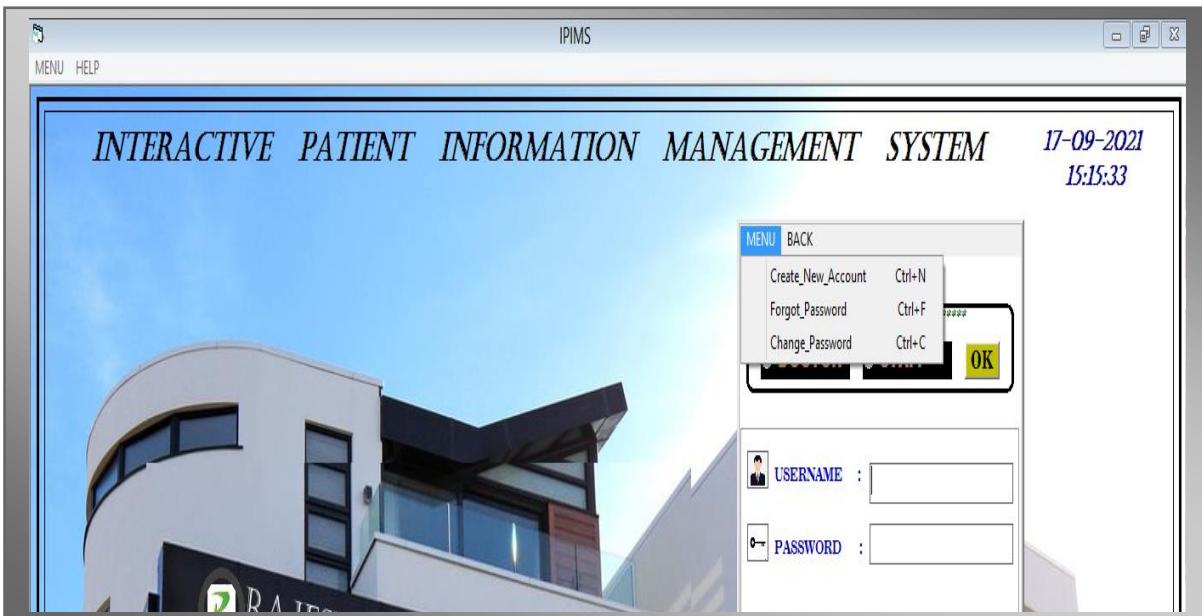


Figure:- 1 .



Figure: - 2. User can also “SHOW” and “HIDE” Password.



Submitted By: Shivani Kumari (18166)

4. Create New Account Form

a) Code:

```
Private Sub cmdCUT_Click()
    Unload Form3
End Sub

Public Function blank()
    txtmobile.Text = ""
    txtuserid.Text = ""
    txtpassword.Text = ""
End Function

Public Function FRMclean()
    Frame1.Visible = False
    Frame2.Visible = False
End Function

Public Function H()
    Form2.Hide
    Form3.Hide
    Form4.Hide
End Function

Private Sub cmdMobile_Click()
If optdoctor = True Then
    Adodc3.RecordSource = "SELECT * FROM tbl_DrDetail where dmobile=''" & txtmobile.Text
    & """
    Adodc3.Refresh
    If Adodc3.Recordset.EOF Then
        MsgBox "User ID not found!" & vbCrLf & "Sorry you can't create Account!" &
        vbCrLf & "Register Yourself!", vbExclamation, "Failed"
        txtmobile.Text = Empty
        txtmobile.SetFocus
        Form12.Show
    Else
        MsgBox "User ID found in the database!", vbInformation, "Success"
        txtuserid.Text = Adodc3.Recordset.Fields(1)
        txtmobile.Enabled = False
        txtpassword.SetFocus
    End If
End If
End Sub
```

```
End If
End If
If optstaff = True Then
    Adodc4.RecordSource = "SELECT * FROM tbl_Sdetail where smobile=''" & txtmobile.Text &
    """
    Adodc4.Refresh
    If Adodc4.Recordset.EOF Then
        MsgBox "User ID not found!" & vbCrLf & "Sorry you can't create Account!" &
        vbCrLf & "Register Yourself!", vbExclamation, "Failed"
        txtmobile.Text = Empty
        txtmobile.SetFocus
        Form12.Show
    Else
        MsgBox "User ID found in the database!", vbInformation, "Success"
        txtuserid.Text = Adodc4.Recordset.Fields(1)
        txtmobile.Enabled = False
        txtpassword.SetFocus
    End If
End If
End Sub
```

```
Private Sub cmdOK_Click()
    If txtmobile.Text = "" And txtuserid.Text <> "" And txtpassword.Text <> "" Then
        MsgBox "Enter Mobile Number", vbExclamation + vbOKOnly, "Error"
        txtmobile.SetFocus
    Exit Sub
    End If
    If txtmobile.Text <> "" And txtuserid.Text = "" And txtpassword.Text <> "" Then
        MsgBox "Enter Username", vbExclamation + vbOKOnly, "Error"
        txtuserid.SetFocus
    Exit Sub
    End If
    If txtmobile.Text <> "" And txtuserid.Text <> "" And txtpassword.Text = "" Then
        MsgBox "Enter password", vbExclamation + vbOKOnly, "Error"
        txtpassword.SetFocus
    Exit Sub
    End If
    If txtmobile.Text = "" And txtuserid.Text = "" And txtpassword.Text = "" Then
        MsgBox "All fields are mandatory.", vbExclamation + vbOKOnly, "Error"
        txtmobile.SetFocus
    Exit Sub
```

```
End If
If txtmobile.Text <> "" And txtuserid.Text = "" And txtpassword.Text = "" Then
    MsgBox "Please enter username and password.", vbExclamation + vbOKOnly, "Error"
    txtuserid.SetFocus
Exit Sub
End If
If txtmobile.Text = "" And txtuserid.Text = "" And txtpassword.Text <> "" Then
    MsgBox "Please enter mobile number and username.", vbExclamation + vbOKOnly,
"Error"
    txtmobile.SetFocus
Exit Sub
End If
If txtmobile.Text <> "" And txtuserid.Text <> "" And txtpassword.Text <> "" Then 'if all the
fields are not blank then
    'For DOCTOR
    If optdoctor.Value = True Then
        fun
        Adodc1.RecordSource = "SELECT * FROM tbl_DrLogin where mobile=''" &
txtmobile.Text & ""
        Adodc1.Refresh
        If Adodc1.Recordset.EOF Then
            sql = "insert into tbl_DrLogin values(" + txtmobile.Text + ","" + txtuserid.Text + "","" +
txtpassword.Text + ")"
            Set rs = conn.Execute(sql)
            Adodc1.RecordSource = "SELECT * FROM tbl_DrLogin where mobile=''" &
txtmobile.Text & ""
            Adodc1.Refresh
            docFrame.Visible = True
            MsgBox "WELCOME DOCTOR !!" & vbCrLf & "YOUR ACCOUNT HAS BEEN
CREATED !!", vbInformation + vbOKOnly, "DOCTOR's Account"
            blank
            FRMclean
            docFrame.Visible = False
            H
            Form1.Show
            txtmobile.Enabled = True
            opt
        Else
            MsgBox "You have already an account.", vbExclamation + vbOKOnly, "STATUS"
            blank
        End If
    End If
```

```
End If
End If
'For STAFF
If optstaff.Value = True Then
    fun
        Adodc2.RecordSource = "SELECT * FROM tbl_StLogin where mobile=''" & txtmobile.Text
& """
    Adodc2.Refresh
    If Adodc2.Recordset.EOF Then
        sql = "insert into tbl_StLogin values(" + txtmobile.Text + "','" + txtuserid.Text + "','" + txtpassword.Text + "')"
        Set rs = conn.Execute(sql)
        Adodc2.RecordSource = "SELECT * FROM tbl_StLogin where mobile=''" &
txtmobile.Text & """
        Adodc2.Refresh
        stFrame.Visible = True
        MsgBox "WELCOME STAFF !!" & vbCrLf & "YOUR ACCOUNT HAS BEEN CREATED
!!", vbInformation + vbOKOnly, "STAFF's Account"
        blank
        FRMclean
        stFrame.Visible = False
        H
        Form1.Show
        txtmobile.Enabled = True
        opt
    Else
        MsgBox "You have already an account.", vbExclamation + vbOKOnly, "STATUS"
        blank
    End If
End If
End Sub
```

```
Private Sub cmdSubmit_Click()
    Frame1.Visible = True
    txtmobile.Enabled = True
    txtmobile.SetFocus
End Sub
```

```
Private Sub Command1_Click()
    Form12.Show
End Sub
```

```
Private Sub Form_Load()
    opt
    txtuserid.Enabled = False
    cmdMobile.Visible = True
    Adodc3.Visible = False
    Adodc4.Visible = False
    optdoctor.Value = False
    optstaff.Value = False
    Frame1.Visible = False
    docFrame.Visible = False
    stFrame.Visible = False
    blank
    FRMclean
End Sub
```

```
Public Function opt()
    optdoctor.Value = False
    optstaff.Value = False
End Function
```

```
Private Sub M_EXIT_Click()
    Unload Me
End Sub
```

```
Private Sub txtMobile_KeyPress(KeyAscii As Integer)
    If KeyAscii = 13 Then
        cmdMobile.SetFocus
    End If
End Sub
```

```
Public Function ValidatePassword(ByVal sPass) As Boolean
    Dim regEx
    Set regEx = CreateObject("vbscript.regExp")
    regEx.Pattern = "((?=.*[0-9])(?=.*[A-Za-z])(?=.*[@#$%^&+=]))"
    ValidatePassword = regEx.Test(sPass)
    Set regEx = Nothing
End Function
```

```
Private Sub txtpassword_Change()
    If Len(Me.txtpassword.Text) > 8 Then
```

```

MsgBox "Only 8 characters are allowed", vbExclamation + vbOKOnly, "Error"
txtpassword.Text = ""
txtpassword.SetFocus
End If
End Sub

```

```

Private Sub txtpassword_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    cmdOK.SetFocus
End If
If ValidatePassword(txtpassword.Text) = True Then
    Frame1.Visible = True
    Frame2.Visible = True
    Frame3.Visible = False
End If
If ValidatePassword(txtpassword.Text) = False Then
    Frame1.Visible = True
    Frame2.Visible = False
    Frame3.Visible = True
End If
End Sub

```

b) Screen Shot:

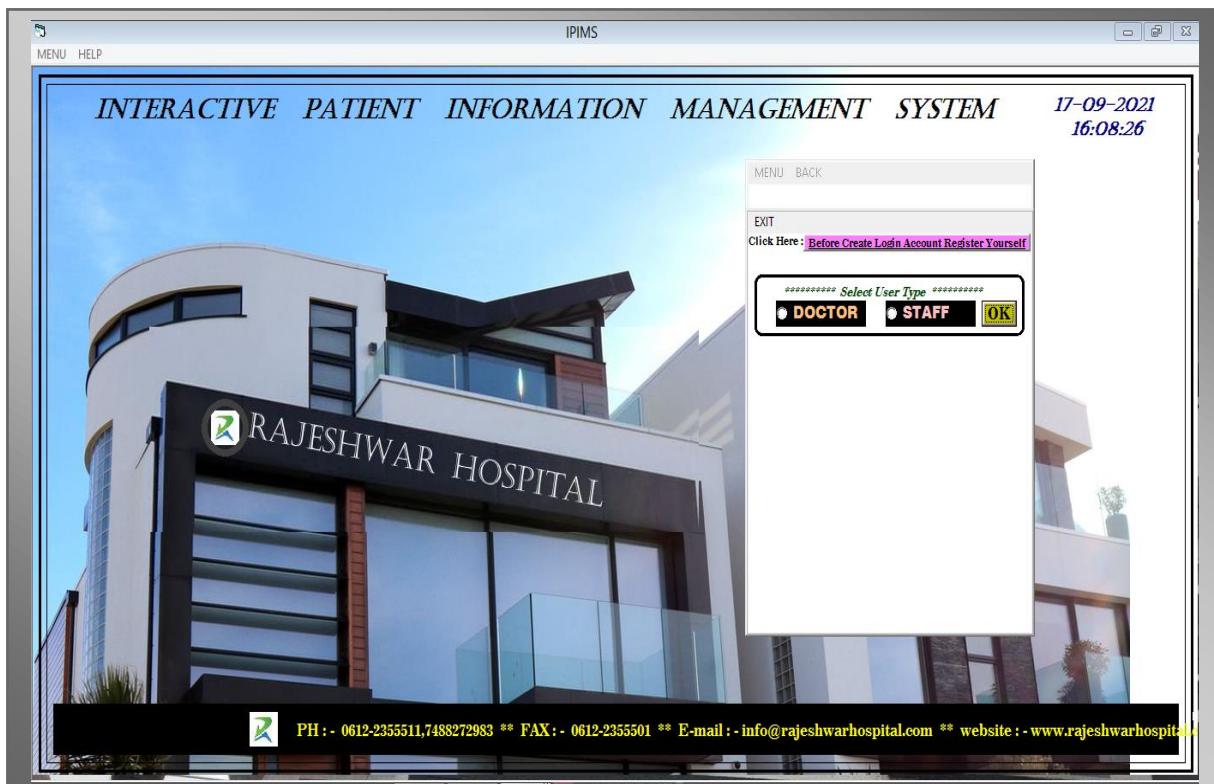


Figure: -1.

Submitted By: Shivani Kumari (18166)

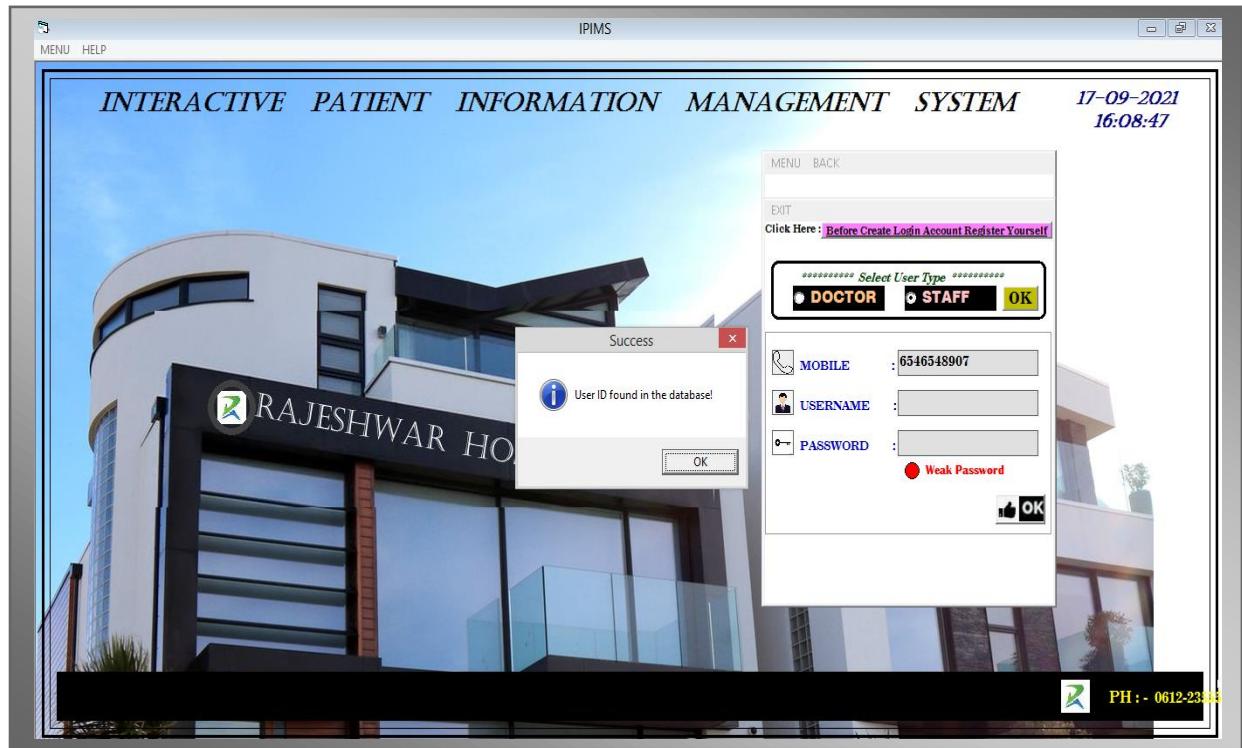


Figure: -2. Only registered doctors and staffs can create their account on this system.

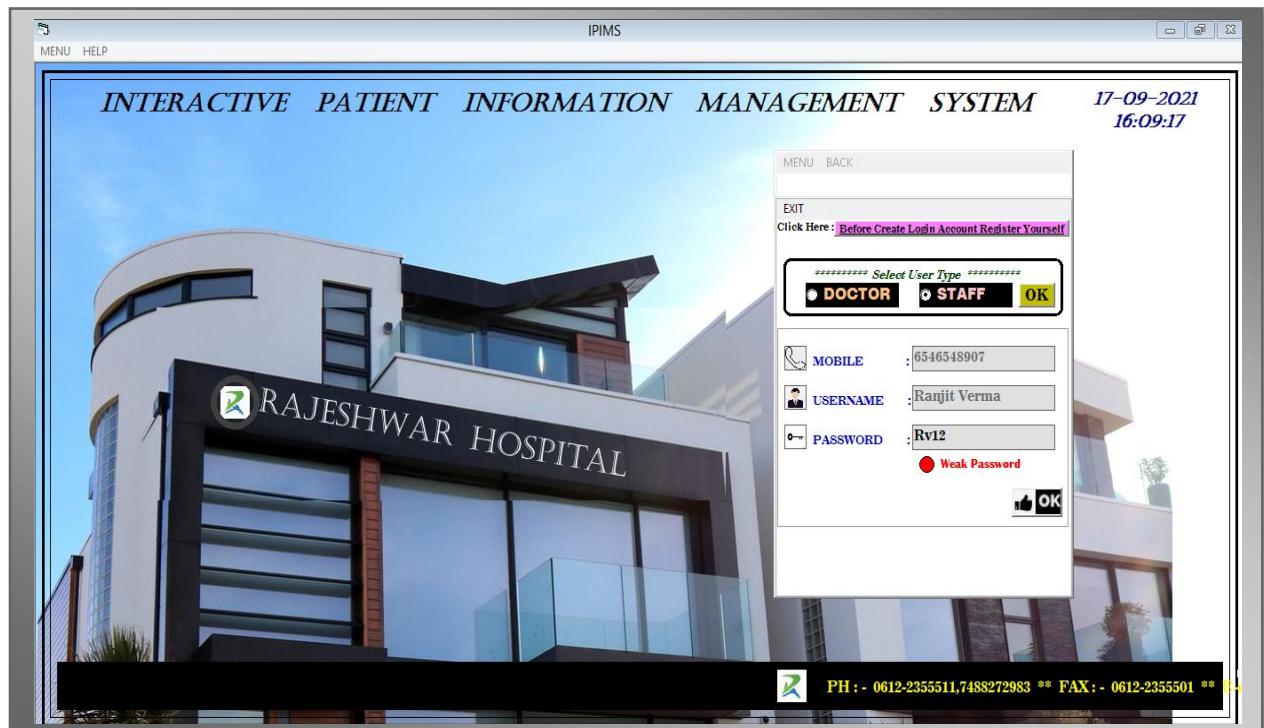


Figure: -3. The user's account will not be created until the password is strong. The password should include alphabets, numbers and special characters, all three.

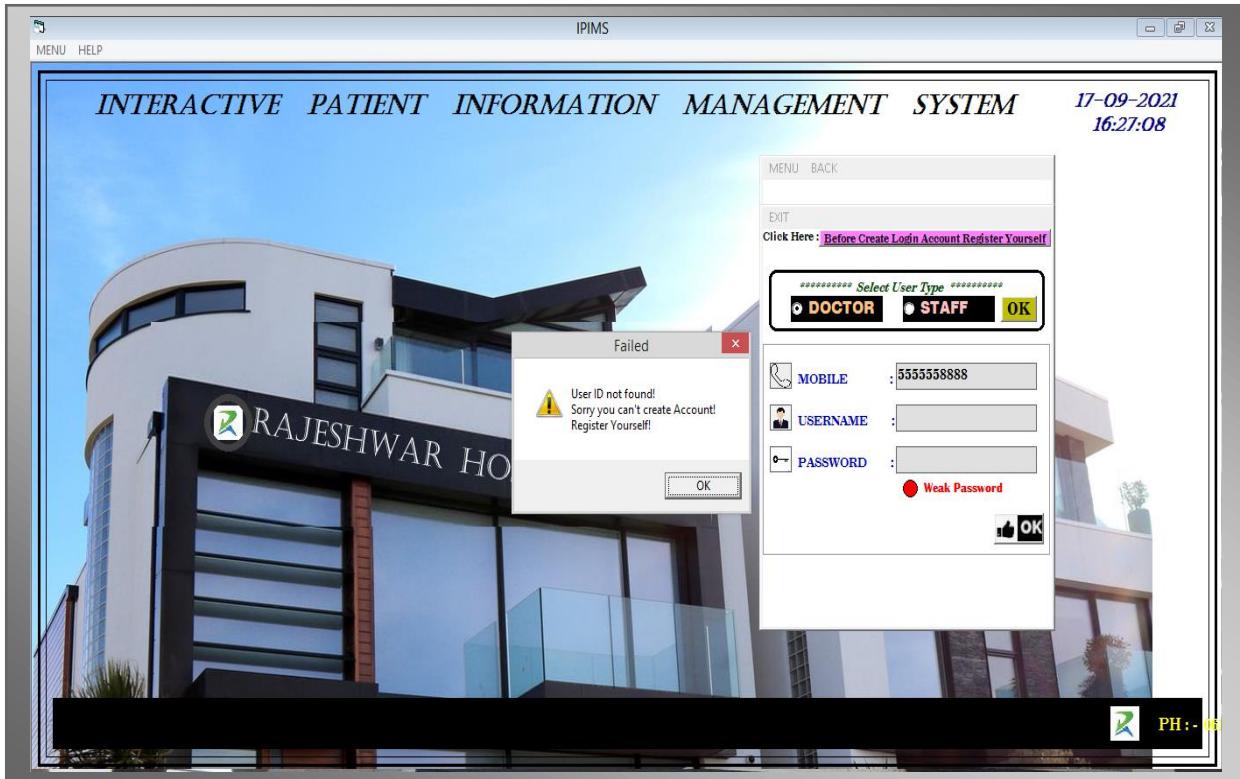


Figure: -4. Unregistered user can't create login account.

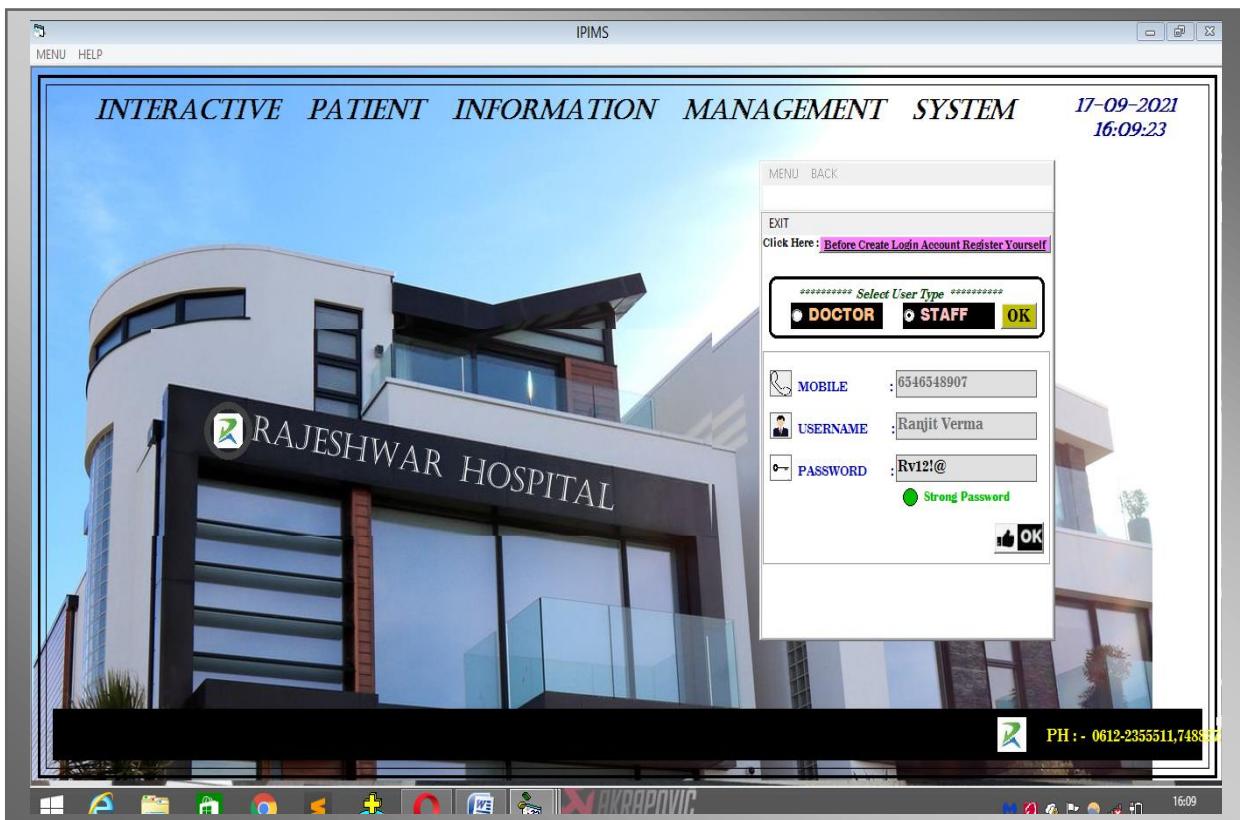


Figure: -5. Now user is able to create login account because they entered strong password.

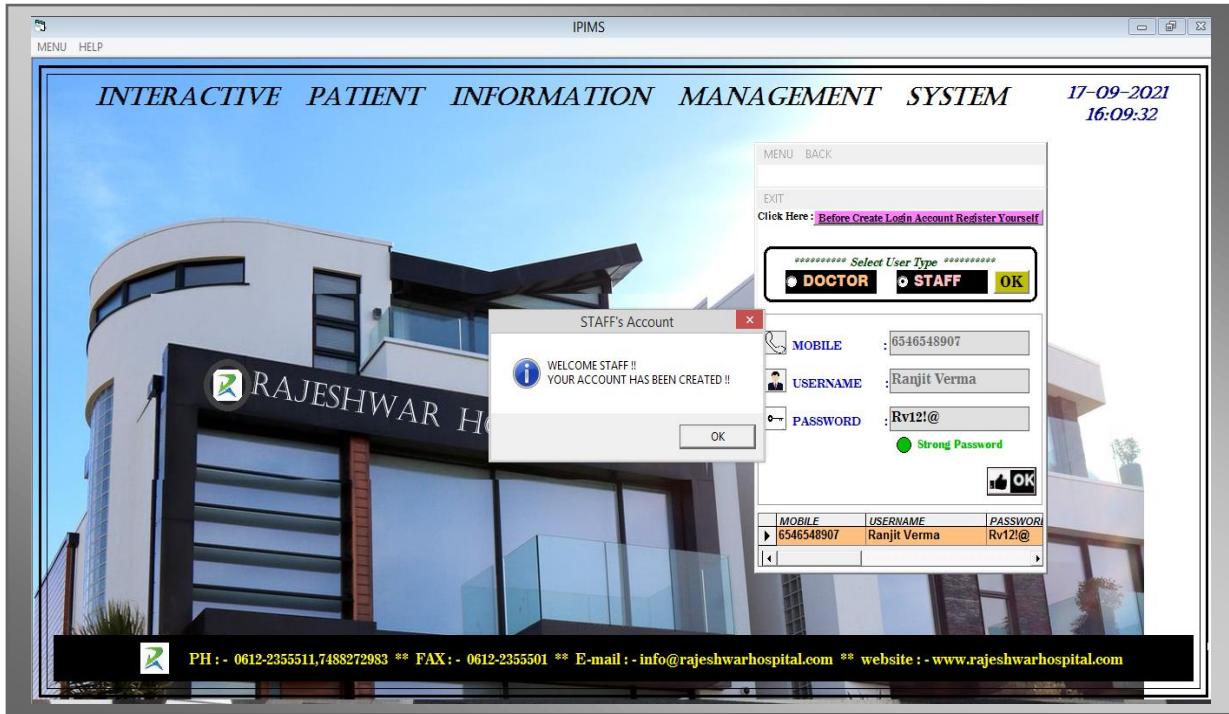


Figure: -6. Account has been created.

5. Forgot Password Form

a) Code:

```

Private Sub cmdcancel_Click()
    Unload Form3
End Sub

Private Sub cmdCheckUser_Click()
    If optdoctor = True Then
        Adodc1.RecordSource = "SELECT * FROM tbl_DrLogin where mobile=" & txtmobile.Text &
        ....
        Adodc1.Refresh
        If Adodc1.Recordset.EOF Then
            MsgBox "User ID not found!" & vbCrLf & "Sorry you can't change Password :( ", vbExclamation, "Failed"
            txtmobile.Text = Empty
            txtmobile.SetFocus
        Else
            MsgBox "User ID found in the database!", vbInformation, "Success"
            txtmobile.Enabled = False
            passwordFrame.Visible = True
        End If
    End If
End Sub

```

```
docFrame.Visible = True
stFrame.Visible = False
End If
End If
If optstaff = True Then
    Adodc2.RecordSource = "SELECT * FROM tbl_StLogin where mobile="" & txtmobile.Text &
"""
    Adodc2.Refresh
    If Adodc2.Recordset.EOF Then
        MsgBox "User ID not found!" & vbCrLf & "Sorry you can't change password :( ",
        vbExclamation, "Failed"
        txtmobile.Text = Empty
        txtmobile.SetFocus
    Else
        MsgBox "User ID found in the database!", vbInformation, "Success"
        txtmobile.Enabled = False
        passwordFrame.Visible = True
        docFrame.Visible = False
        stFrame.Visible = True
    End If
End If
End Sub

Public Function clean()
    passwordFrame.Visible = False
    docFrame.Visible = False
    stFrame.Visible = False
    txtmobile.Enabled = True
End Function

Public Function clean1()
    txtmobile.Text = ""
    txtNew.Text = ""
    txtConfirm.Text = ""
End Function

Private Sub cmdClear_Click()
    clean
    clean1
End Sub

Private Sub cmdCUT_Click()
    Unload Me

```

End Sub

Public Function FRMclean()

Frame1.Visible = False

Frame2.Visible = False

End Function

Public Function ValidatePassword(ByVal sPass) As Boolean

Dim regEx

Set regEx = CreateObject("vbscript.regExp")

regEx.Pattern = "((?=.*[0-9])(?=.*[A-Za-z])(?=.*[@#\$%^&+=]))"

ValidatePassword = regEx.Test(sPass)

Set regEx = Nothing

End Function

Private Sub cmdSubmit_Click()

Frame3.Visible = True

End Sub

Private Sub M_EXIT_Click()

Unload Me

End Sub

Private Sub txtNew_Change()

If Len(Me.txtNew.Text) > 8 Then

MsgBox "Only 8 characters are allowed", vbExclamation + vbOKOnly, "Error"

txtNew.Text = ""

txtNew.SetFocus

End If

End Sub

Private Sub txtNew_KeyPress(KeyAscii As Integer)

If KeyAscii = 13 Then

txtConfirm.SetFocus

End If

If ValidatePassword(txtNew.Text) = True Then

Frame1.Visible = True

Frame2.Visible = False

End If

If ValidatePassword(txtNew.Text) = False Then

Frame1.Visible = False

```
Frame2.Visible = True
End If
End Sub

Private Sub cmdOK_Click()
If optdoctor = True Then
    If txtNew.Text = txtConfirm.Text Then
        Adodc1.Recordset.Fields("Password") = txtConfirm.Text
        Adodc1.Recordset.Update
        MsgBox "Password Changed Successfully", vbInformation, "Success"
        FRMclean
        clean
        clean1
        Form1.Show
    Else
        MsgBox "Password does not match." & vbCrLf & "Try again!", vbExclamation,
        "Failed"
        txtNew.Text = ""
        txtConfirm.Text = ""
    End If
End If

If optstaff = True Then
    If txtNew.Text = txtConfirm.Text Then
        Adodc2.Recordset.Fields("Password") = txtConfirm.Text
        Adodc2.Recordset.Update
        MsgBox "Password Changed Successfully", vbInformation, "Success"
        FRMclean
        clean
        clean1
        Form1.Show
    Else
        MsgBox "Password does not match." & vbCrLf & "Try again!", vbExclamation,
        "Failed"
        txtNew.Text = ""
        txtConfirm.Text = ""
    End If
End If
End Sub

Private Sub Form_Load()
```

```

optdoctor.Value = False
optstaff.Value = False
Frame3.Visible = False
docFrame.Visible = False
stFrame.Visible = False
passwordFrame.Visible = False
FRMclean
    
```

End Sub

```

Private Sub txtMobile_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    cmdCheckUser.SetFocus
End If
End Sub
    
```

```

Private Sub txtConfirm_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    cmdOK.SetFocus
End If
End Sub
    
```

b) Screen Shot:

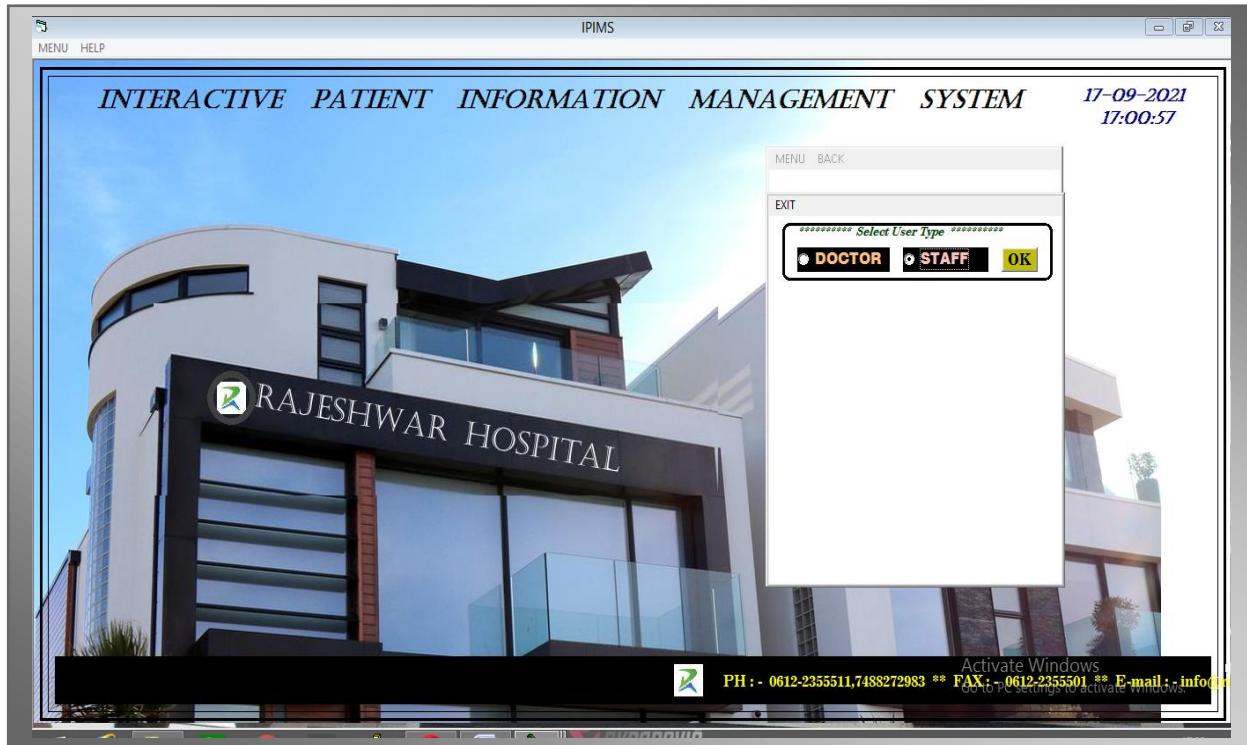


Figure: -1.

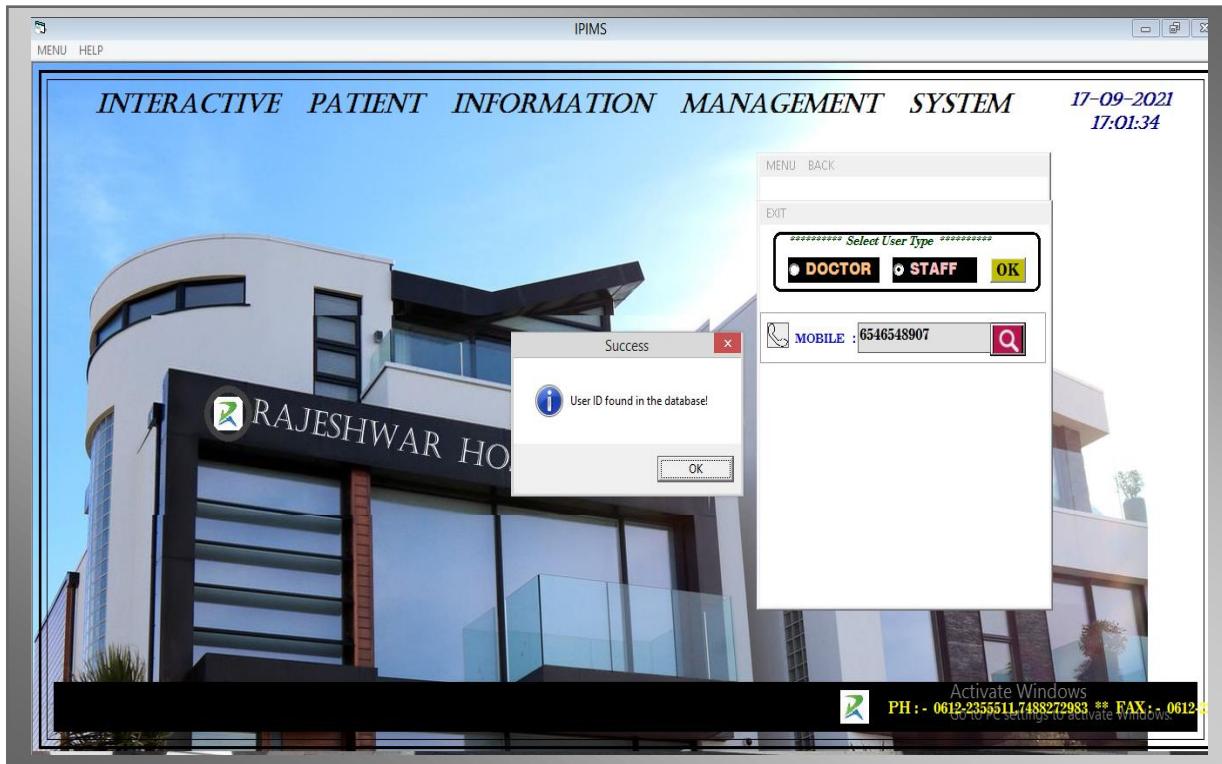


Figure: -2. Check user mobile number.

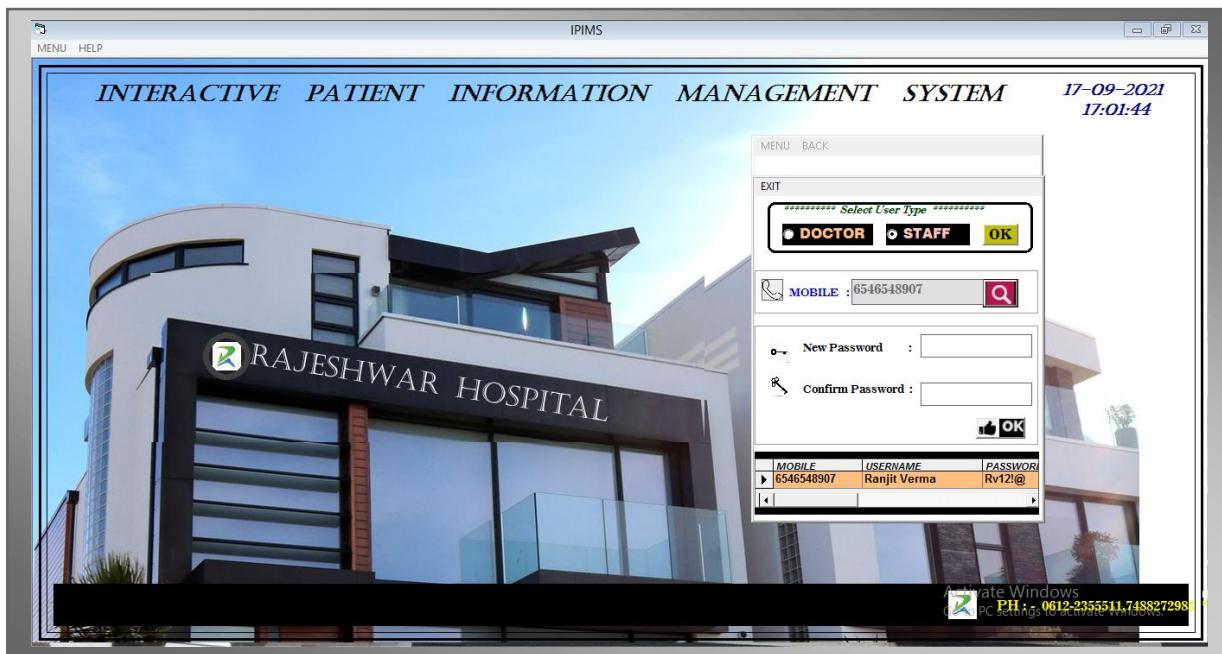


Figure: -3. After confirm mobile number new password frame will be open where user will enter new password and confirm password and submit that password.



Figure: -4. Weak Password.

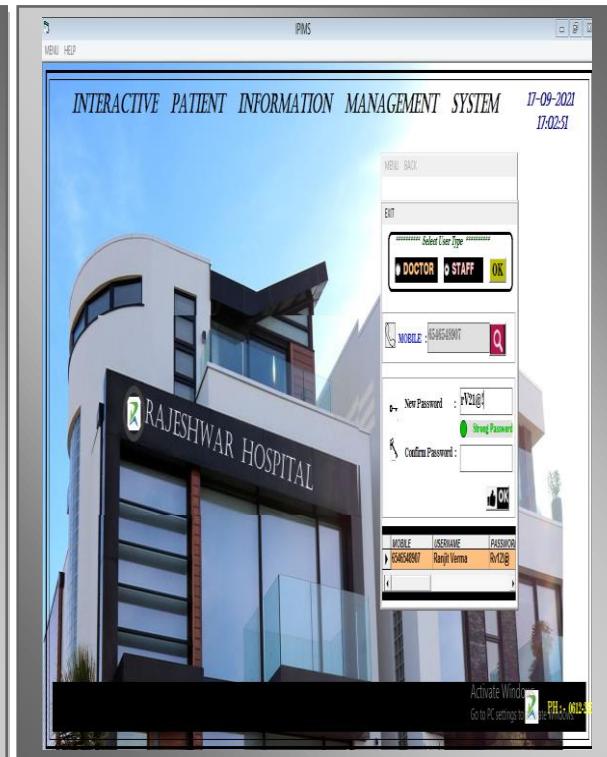


Figure: - 5. Strong Password.

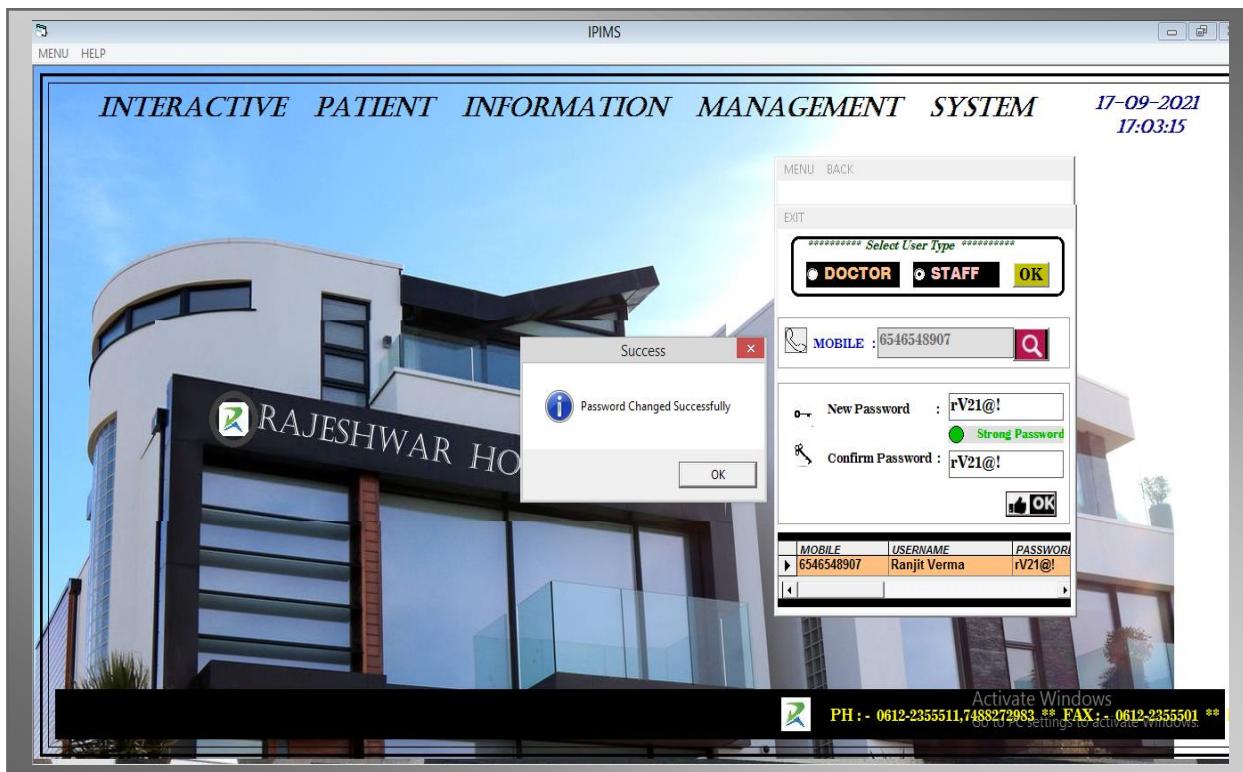


Figure: - 6. Password changed successfully.

6. Change Password Form

a) Code:

```
Public Function cleanA()
    txtmobile.Text = ""
    txtCurrentPassword.Text = ""
    txtNew.Text = ""
    txtConfirm.Text = ""
End Function

Public Function cleanB()
    txtNew.Text = ""
    txtConfirm.Text = ""
End Function

Public Function sorry()
    MsgBox "Invalid mobile/password !! Try Again.", vbExclamation, "Failed"
    txtmobile.Text = ""
    txtCurrentPassword.Text = ""
    txtmobile.SetFocus
End Function

Public Function FRMclean()
    Frame1.Visible = False
    Frame2.Visible = False
End Function

Private Sub cmdCUT_Click()
    Unload Me
End Sub

Private Sub cmdcancel_Click()
    Unload Form3
End Sub

Private Sub cmdCheckUser_Click()
If optdoctor = True Then
    Adodc1.RecordSource = "SELECT * FROM tbl_DrLogin where mobile=" & txtmobile.Text &
    " AND password=" & txtCurrentPassword.Text & ""
    Adodc1.Refresh
    If Adodc1.Recordset.EOF Then
        sorry
    Else
        MsgBox "User ID found in the database!", vbInformation, "Success"
        txtmobile.Enabled = False
        docFrame.Visible = True
    End If
End If
End Sub
```

```
stFrame.Visible = False
passwordFrame.Visible = True
End If
End If
If optstaff = True Then
    Adodc2.RecordSource = "SELECT * FROM tbl_StLogin where mobile="" & txtmobile.Text &
    "" AND password="" & txtCurrentPassword.Text & """
    Adodc2.Refresh
    If Adodc2.Recordset.EOF Then
        sorry
    Else
        MsgBox "User ID found in the database!", vbInformation, "Success"
        txtmobile.Enabled = False
        docFrame.Visible = False
        stFrame.Visible = True
        passwordFrame.Visible = True
    End If
End If
End Sub
Private Sub cmdClear_Click()
    txtmobile.Text = ""
    txtCurrentPassword.Text = ""
    cleanB
End Sub
Public Function docSframeClean()
    docFrame.Visible = False
    stFrame.Visible = False
End Function
Private Sub cmdOK_Click()
    txtmobile.Enabled = True
    If optdoctor = True Then
        If txtNew.Text = txtConfirm.Text Then
            Adodc1.Recordset.Fields("Password") = txtConfirm.Text
            Adodc1.Recordset.Update
            MsgBox "Password Changed Successfully", vbInformation, "Success"
            cleanA
            FRMclean
            docSframeClean
            Form1.Show
        Else
            MsgBox "Password does not match. Try again!", vbExclamation, "Failed"
        End If
    End If
End Sub
```

```
cleanB
End If
End If
If optstaff = True Then
    docFrame.Visible = False
    stFrame.Visible = True
    If txtNew.Text = txtConfirm.Text Then
        Adodc2.Recordset.Fields("Password") = txtConfirm.Text
        Adodc2.Recordset.Update
        MsgBox "Password Changed Successfully", vbInformation, "Success"
        cleanA
        FRMclean
        docSframeClean
        Form1.Show
    Else
        MsgBox "Password does not match. Try again!", vbExclamation, "Failed"
        cleanB
    End If
End If
End Sub
Private Sub cmdSubmit_Click()
    Frame3.Visible = True
End Sub
Private Sub Form_Load()
    optdoctor.Value = False
    optstaff.Value = False
    Frame3.Visible = False
    cleanA
    FRMclean
    passwordFrame.Visible = False
    docSframeClean
    txtmobile.Enabled = True
End Sub
Public Function ValidatePassword(ByVal sPass) As Boolean
    Dim regEx
    Set regEx = CreateObject("vbscript.regExp")
    regEx.Pattern = "((?=.*[0-9])(?=.*[A-Za-z])(?=.*[@#$%^&+=]))"
    ValidatePassword = regEx.Test(sPass)
    Set regEx = Nothing
End Function
Private Sub M_EXIT_Click()
```

```
Unload Me
End Sub
Private Sub txtNew_Change()
If Len(Me.txtNew.Text) > 8 Then
    MsgBox "Only 8 characters are allowed", vbExclamation + vbOKOnly, "Error"
    txtNew.Text = ""
    txtNew.SetFocus
End If
End Sub
Private Sub txtNew_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    txtConfirm.SetFocus
End If
If ValidatePassword(txtNew.Text) = True Then
    Frame1.Visible = True
    Frame2.Visible = False
End If
If ValidatePassword(txtNew.Text) = False Then
    Frame1.Visible = False
    Frame2.Visible = True
End If
End Sub
Private Sub txtMobile_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    txtCurrentPassword.SetFocus
End If
End Sub
Private Sub txtCurrentPassword_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    cmdCheckUser.SetFocus
End If
End Sub

Private Sub txtConfirm_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    cmdOK.SetFocus
End If
End Sub
```

b) Screen Shot:



Figure 1. Change password Form.



Figure 2.

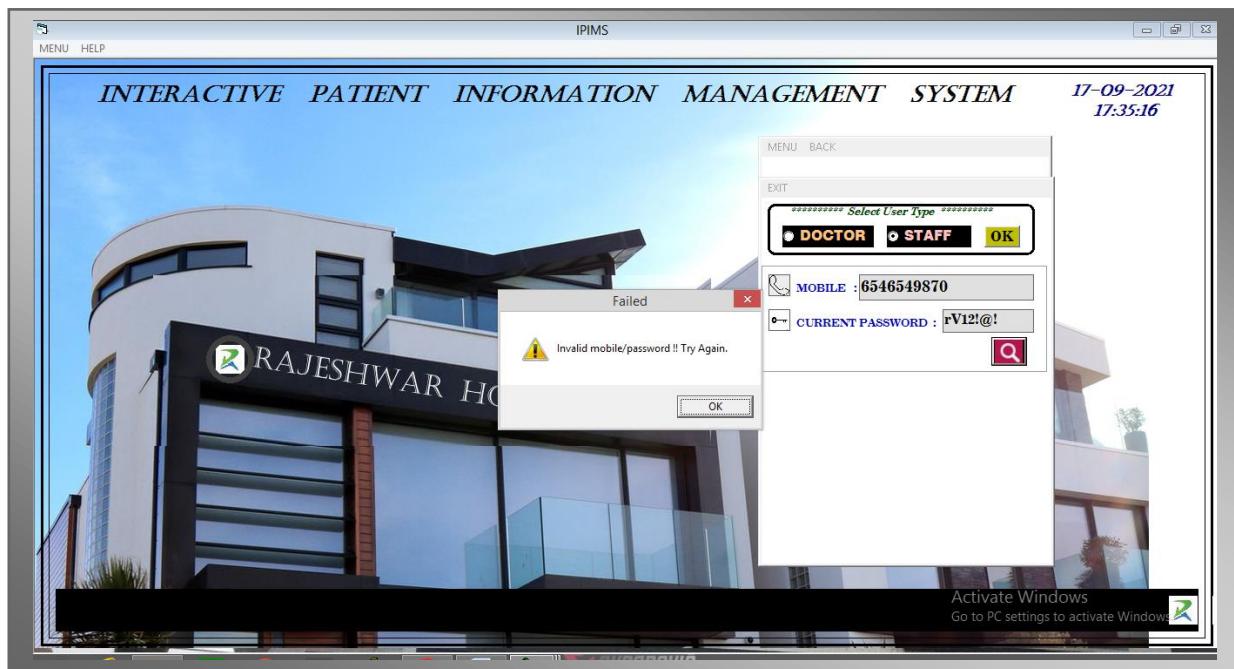


Figure 3. If use inputs wrong mobile number or password then error message will be display.

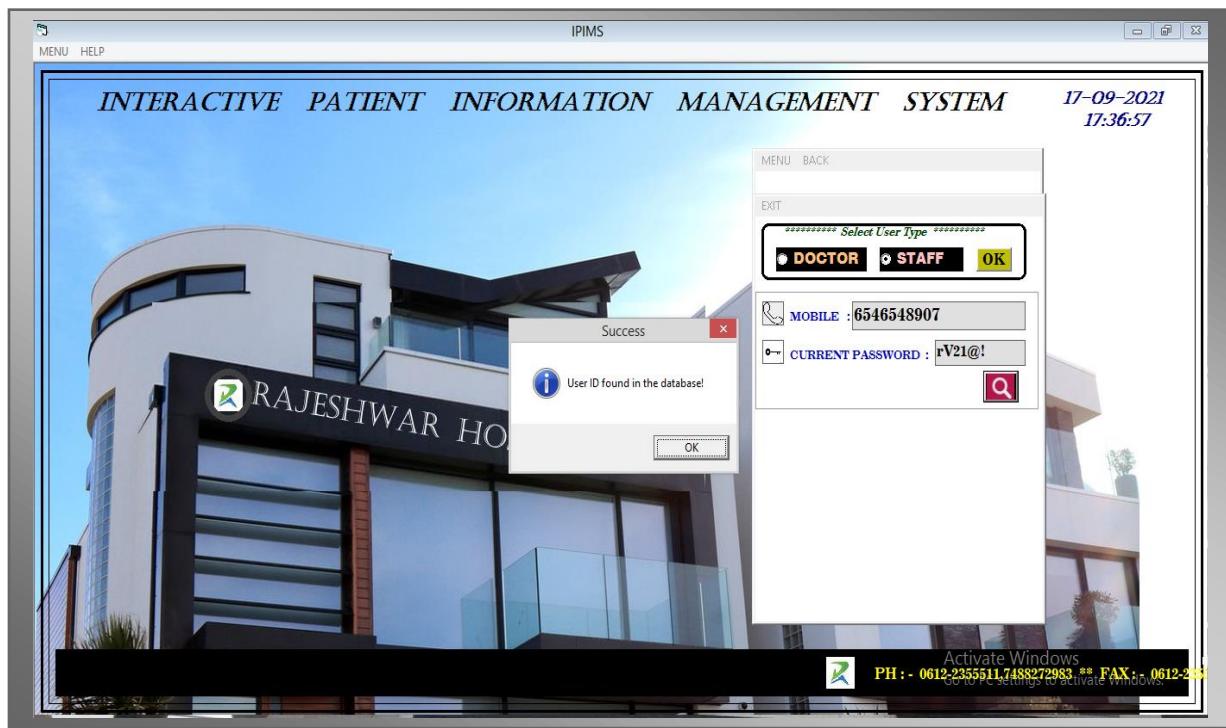


Figure 4. If inputted data is right then message box will be display “Userid found in the database”.

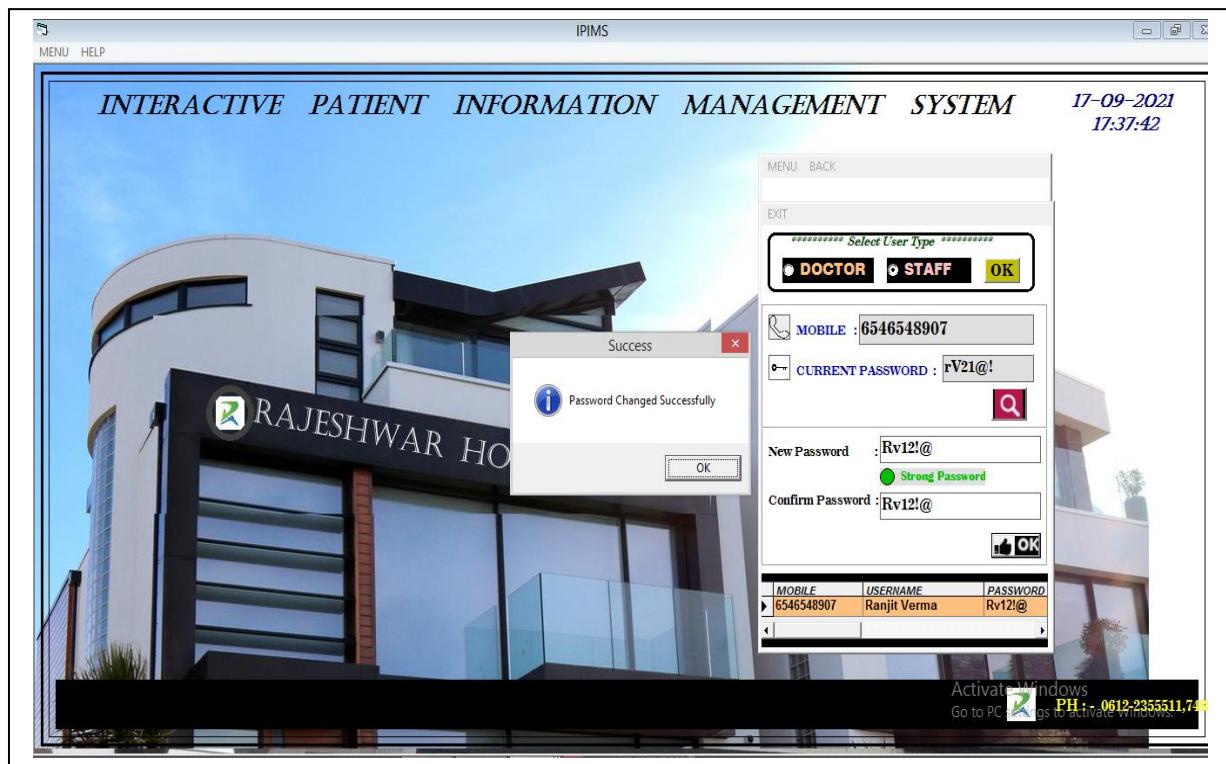


Figure 5. Password should be strong. Password changed successfully.

7. Department Form

a) Code:

```
Dim i As Integer  
Dim a, b, temp As String
```

```
Public Function display()  
    Set DataGrid1.DataSource = Adodc1.Recordset  
    txtDepartmentID.Text = Adodc1.Recordset.Fields(0)  
    txtDepartmentName.Text = Adodc1.Recordset.Fields(1)  
End Function
```

```
Public Function Clear()  
    txtDepartmentID.Text = ""  
    txtDepartmentName.Text = ""  
End Function
```

```
Private Sub cmdAdd_Click()  
    txtDepartmentName.SetFocus  
    Clear  
    fun  
    Set rs = New ADODB.Recordset  
    rs.Open "select * from tbl_DepartmentDetail ORDER BY deptID", conn, 3, 3  
    Dim num1 As String * 6  
    Dim num2 As Long  
    With rs  
        If rs.BOF Then  
            num1 = "RH" & "0000"  
            txtDepartmentID.Text = num1  
        Else  
            rs.MoveLast  
            num2 = Right(!deptid, 4) + 1  
            num1 = "RH" & Right("0000" & num2, 4)  
        End If  
        txtDepartmentID.Text = num1  
    End With  
End Sub
```

```
Private Sub cmdSAVE_Click()  
    fun
```

```

If txtDepartmentID.Text <> "" And txtDepartmentName <> "" Then
    Adodc1.RecordSource = "SELECT * FROM tbl_DepartmentDetail where deptid=''" &
    txtDepartmentID.Text & """
    Adodc1.Refresh
    If Adodc1.Recordset.EOF Then
        sql = "insert into tbl_DepartmentDetail values('' + txtDepartmentID.Text + '', '' +
        txtDepartmentName.Text + '')"
        Set rs = conn.Execute(sql)
        Set DataGrid1.DataSource = Adodc1.Recordset
        Adodc1.RecordSource = "SELECT * FROM tbl_DepartmentDetail where deptid=''" &
        txtDepartmentID.Text & """
        Adodc1.Refresh
        Set DataGrid1.DataSource = Adodc1.Recordset
        MsgBox "record saved !!", vbInformation + vbOKOnly, "DOCTOR's Account"
    Else
        MsgBox "Please fill all mandatory fields !!", vbCritical + vbOKOnly, "Warning"
    End If
End If
End Sub

Private Sub M_Delete_Click()
    fun
        On Error GoTo errormsg
        answer = MsgBox("Are you sure you want to delete this record?", vbQuestion +
        vbYesNo, "Warning!")
        If answer = vbYes Then
            Adodc1.Recordset.Delete
            Clear
            MsgBox "Record deleted successfully.", vbInformation + vbOKOnly, "Confirmation"
            Clear
            Adodc1.Recordset.Update
            Adodc1.Refresh
            Adodc1.Recordset.MoveLast
            display
        End If
    errormsg:
End Sub

```

```

Private Sub M_logout_Click()
    Me.Hide

```

HOME

```
MDIForm1.M_MENU.Enabled = True
End Sub
```

```
Private Sub M_Search_By_ID_Click()
a = InputBox("Enter Department ID which you want to search.")
Adodc1.RecordSource = "SELECT * FROM tbl_DepartmentDetail where deptid="" & a & """
Adodc1.Refresh
If Adodc1.Recordset.EOF Then
    MsgBox "Department detail not found!" & vbCrLf & "Please insert valid
Department ID. ", vbExclamation, "Failed"
Else
    MsgBox "Department ID found in the database!", vbInformation, "Success"
    display
End If
End Sub
```

```
Private Sub M_Search_By_Name_Click()
b = InputBox("Enter Department name which you want to search.")
Adodc1.RecordSource = "SELECT * FROM tbl_DepartmentDetail where deptname="" & b &
"""
Adodc1.Refresh
If Adodc1.Recordset.EOF Then
    MsgBox "Department detail not found!" & vbCrLf & "Please insert valid
Department ID. ", vbExclamation, "Failed"
Else
    MsgBox "Department name found in the database!", vbInformation, "Success"
    display
End If
End Sub
```

```
Private Sub Form_Load()
txtDepartmentID.Enabled = False
Clear
End Sub
```

```
Private Sub M_Update_Click()
If txtDepartmentID.Text = "" Or txtDepartmentName.Text = "" Then
    MsgBox "Field shouldn't be empty!", vbOKOnly + vbCritical, "Warning!"
Else
    Adodc1.Recordset.Fields(0) = txtDepartmentID.Text

```

```

Adodc1.Recordset.Fields(1) = txtDepartmentName.Text
MsgBox "Record updated successfully!", vbOKOnly + vbInformation, "Update
successful!"
Frame1.Visible = True
Adodc1.Recordset.Update
End If
End Sub

```

```

Private Sub txtDepartmentName_Change()
If Len(Me.txtDepartmentName.Text) > 12 Then
    MsgBox "Only 20 characters are allowed", vbExclamation + vbOKOnly, "Error"
    txtDepartmentName.Text = ""
    txtDepartmentName.SetFocus
End If
End Sub

```

```

Private Sub txtDepartmentName_KeyPress(KeyAscii As Integer)
Select Case KeyAscii
Case 65 To 90, 8, 32
    'Let these key codes pass through
Case 97 To 122, 8, 32
    'Let these key codes pass through
Case 13
    cmdSAVE.SetFocus
Case Else
    'All others get trapped
    MsgBox "Only Upper and Lower case alphabets are allowed."
    KeyAscii = 0
End Select
End Sub

```

b) Screen Shot:

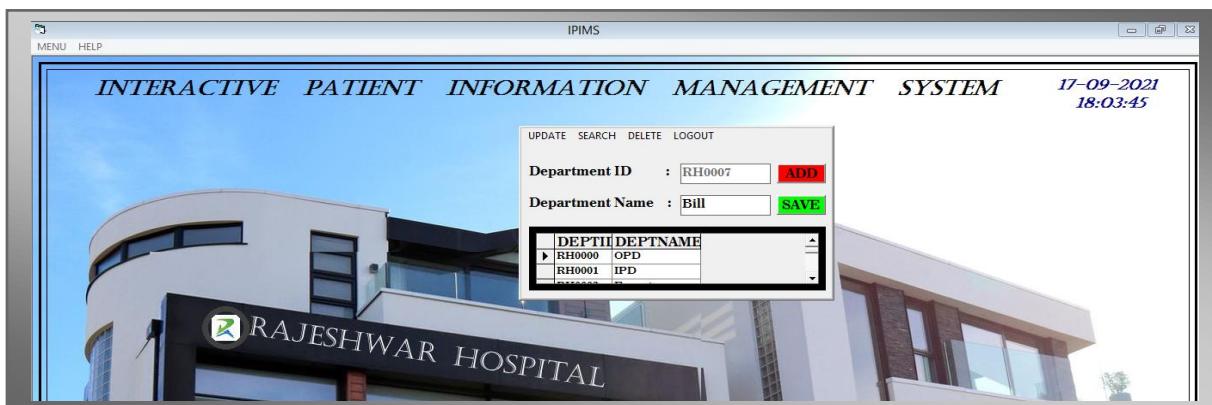


Figure 1. Add Department.

Submitted By: Shivani Kumari (18166)

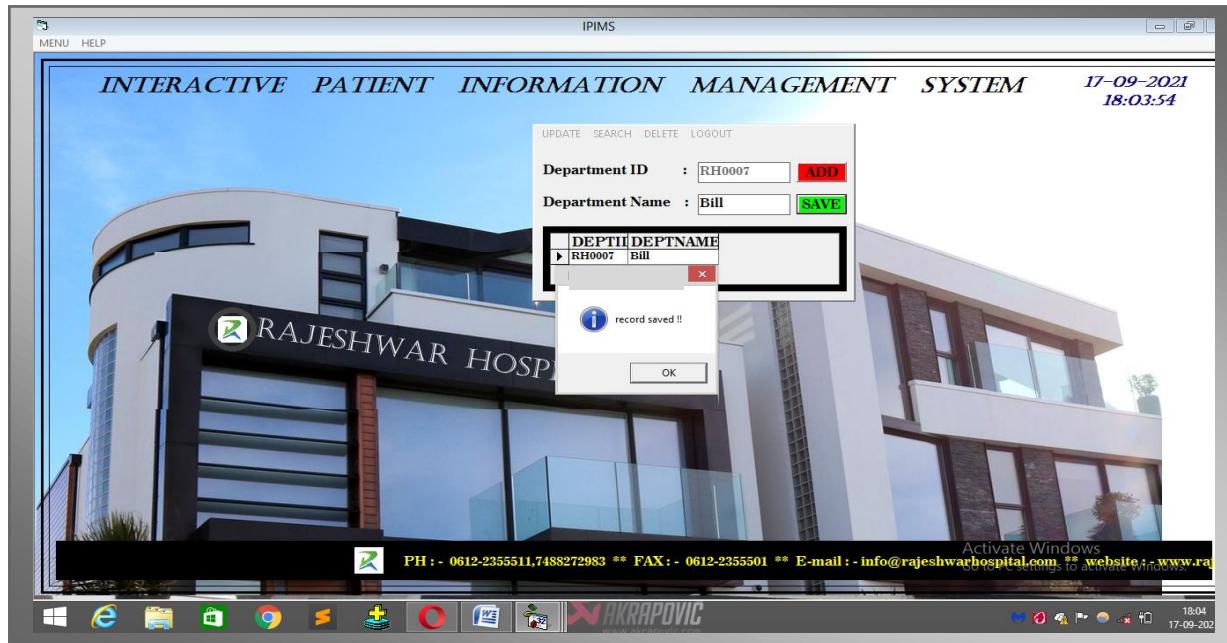


Figure 2. Save Department detail.

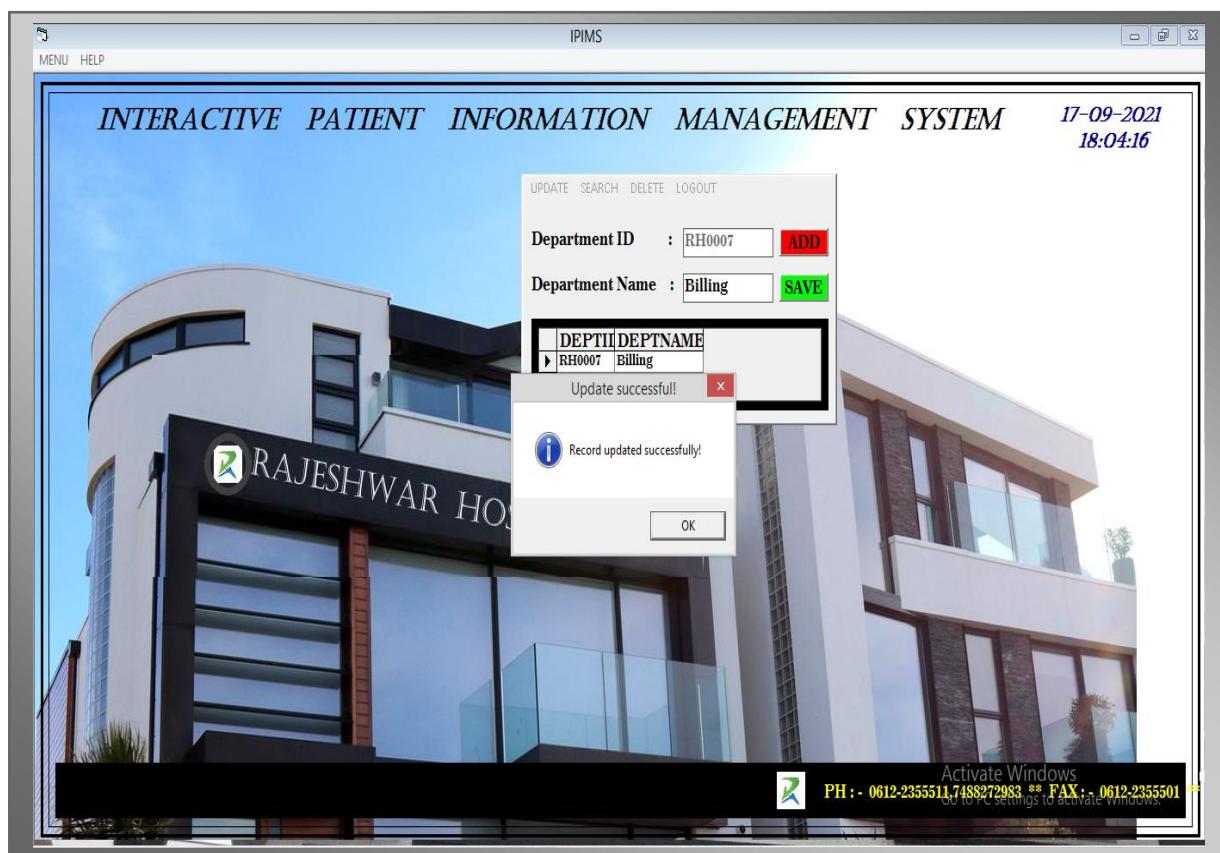


Figure 3. Update Department detail.

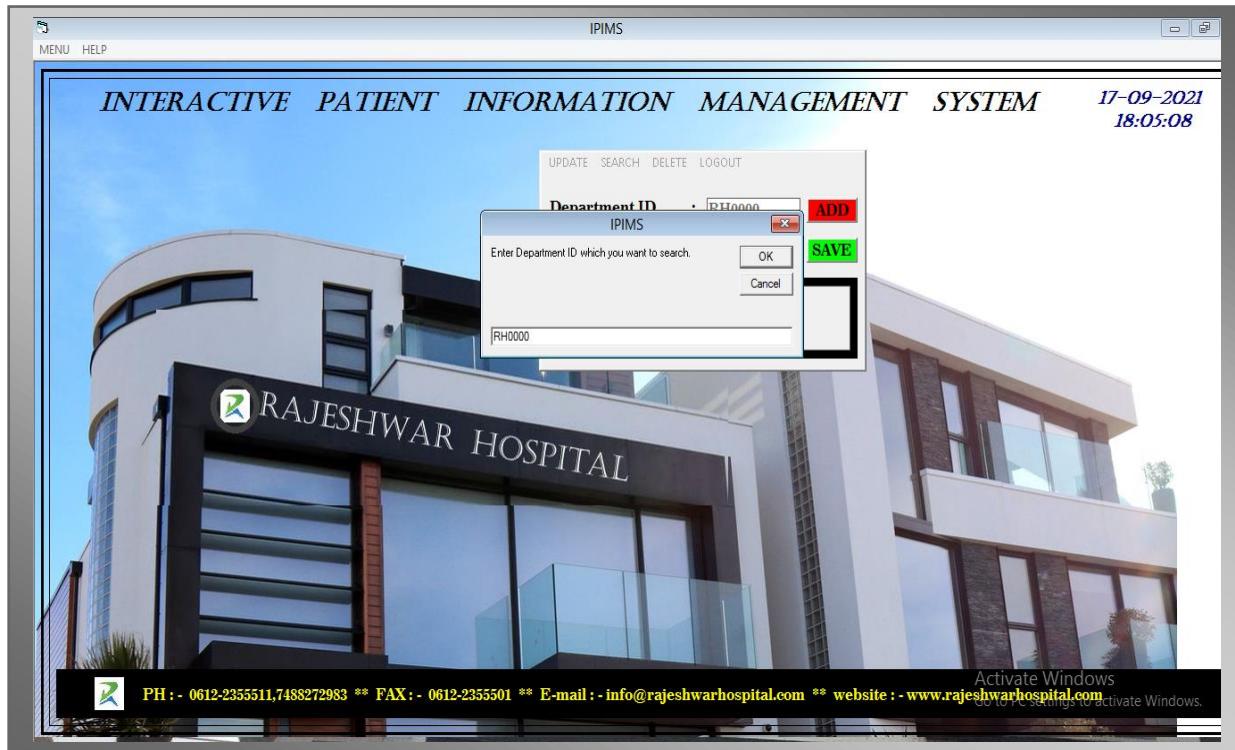


Figure 4. Department detail Search by ID.

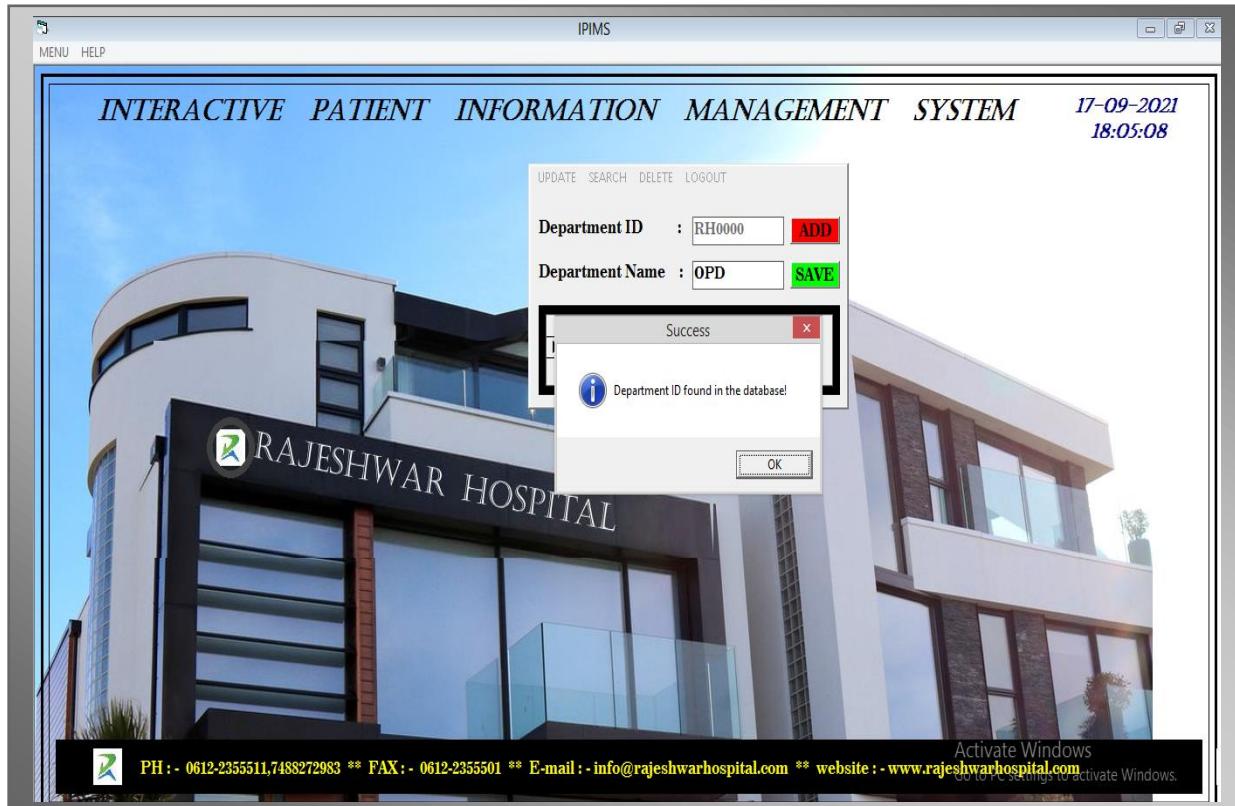


Figure 5. Department ID found in the database.

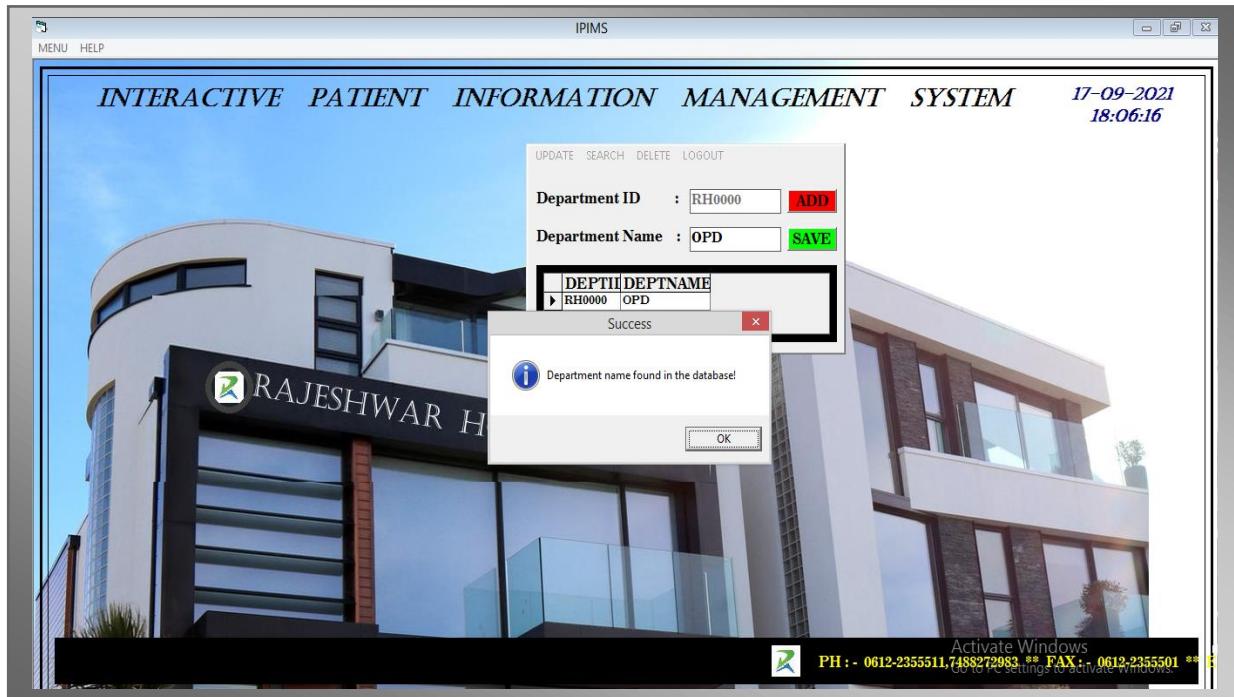


Figure 6. Department name found in the database.

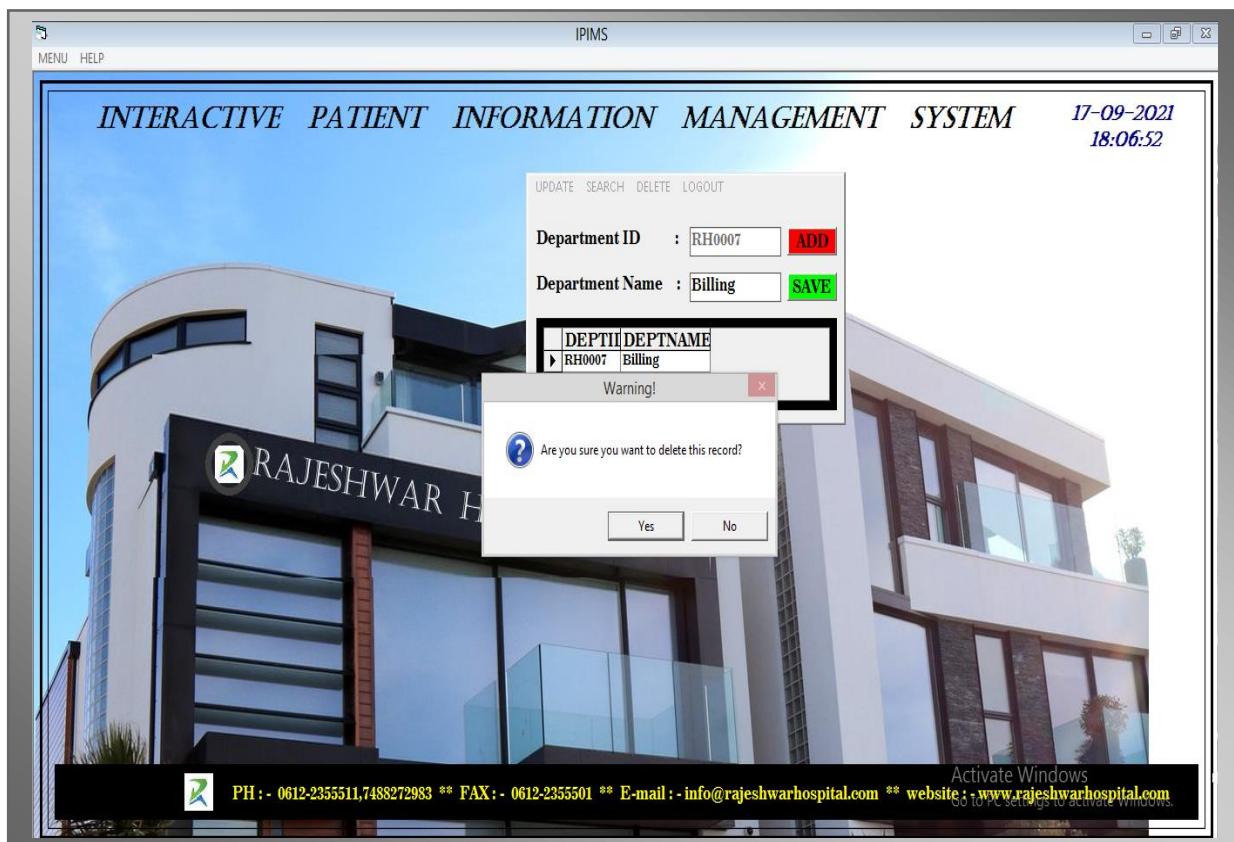


Figure 7. Delete Department confirmation message .

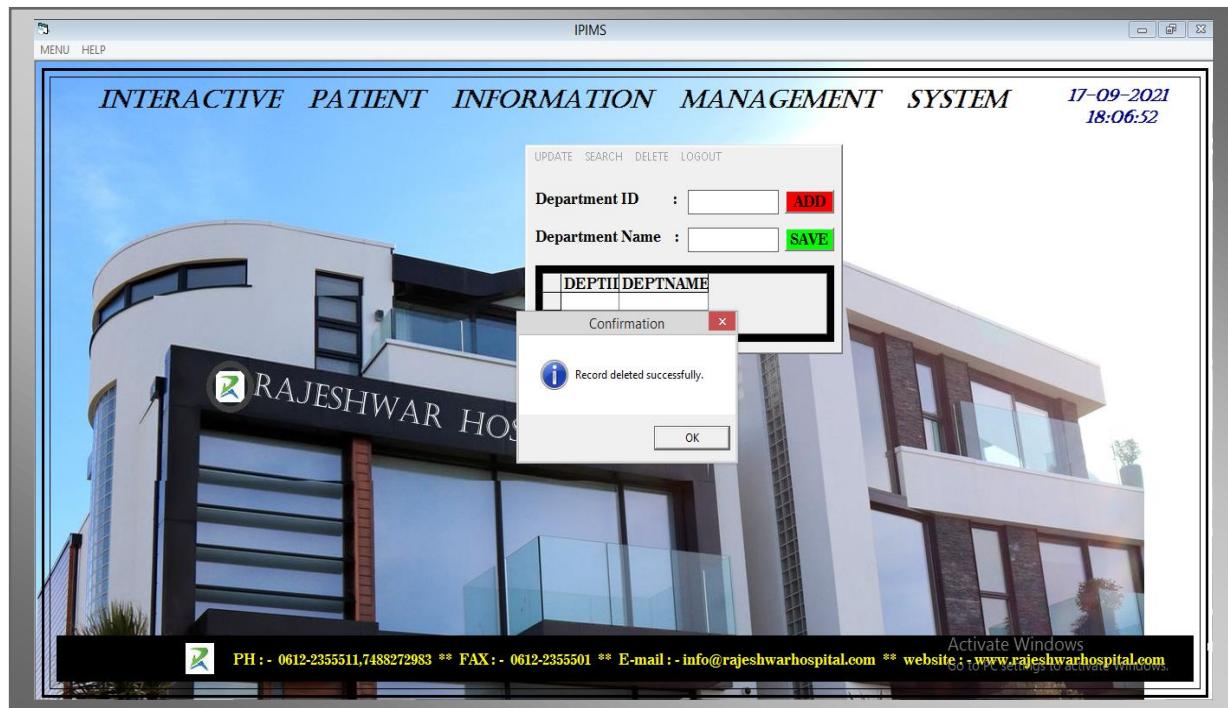


Figure 8. Department detail deleted successfully from the database.

C) Data Report of Department:

The screenshot shows a 'DataReport (RH)' window within the IPIMS application. The window title is 'DataReport (Department)'. It displays a list of departments under the heading 'RAJESHWAR HOSPITAL 17-09-2021 18:35'. The list includes:

Department ID	Department Name
RH0002	Emergency
RH0001	IPD
RH0003	Medicine
RH0000	OPD
RH0005	Pathology
RH0004	Receptionist
RH0006	Registration

At the bottom of the report, it says 'Total No. of Records : 7' and 'Page No : 1'. The background of the main window shows the same modern hospital building as Figure 8.

Step1 : Staff login

Step2 : Click "DataReport" menu . Note that, only medicine department's staff can open datareport of all departments. Enter Staff ID, then press enter. Datareport form will be display where staff can see all records.

Submitted By: Shivani Kumari (18166)

8. Doctor/Staff Basic Detail Form

a) Code:

```
Public Function Clear()
    txtnm.Text = ""
    txtmobile.Text = ""
    comboDEPT.Text = ""
    Comboservicenm.Text = ""
    Image2.Picture = LoadPicture("D:\IPIMS\IPIMSSimage\medical.jpg")
    impath.Text = ""
    impath.Text = "      No Chosen File"
End Function

Public Function showing()
    frameDEPTwiseDrSt.Visible = True
    Adodc1.Visible = True
    Adodc2.Visible = True
    DataGridView1.Visible = True
End Function

Public Function clean()
    optstaff.Value = False
    optdoctor.Value = False
End Function

Public Function display()
On Error GoTo errormsg
If optdoctor.Value = True Then
    Set DataGridView1.DataSource = Adodc1.Recordset
    txtid.Text = Adodc1.Recordset.Fields(0)
    txtnm.Text = Adodc1.Recordset.Fields(1)
    txtmobile.Text = Adodc1.Recordset.Fields(2)
    comboDEPT.Text = Adodc1.Recordset.Fields(3)
    If Adodc1.Recordset.Fields(4) <> "" Then
        Comboservicenm.Text = ""
    Else
        Comboservicenm.Text = Adodc1.Recordset.Fields(4)
    End If
    impath.Text = Adodc1.Recordset.Fields(5)
    Image1.Picture = LoadPicture(impath.Text)
End If
errormsg:
End Function
```

```

End If
If optstaff.Value = True Then
    Set DataGrid1.DataSource = Adodc2.Recordset
    txtid.Text = Adodc2.Recordset.Fields(0)
    txtnm.Text = Adodc2.Recordset.Fields(1)
    txtmobile.Text = Adodc2.Recordset.Fields(2)
    comboDEPT.Text = Adodc2.Recordset.Fields(3)
    If Adodc2.Recordset.Fields(4) <> "" Then
        ComboServicenm.Text = Adodc2.Recordset.Fields(4)
    Else
        ComboServicenm.Text = ""
    End If
    impath.Text = Adodc2.Recordset.Fields(5)
    Image2.Picture = LoadPicture(impath.Text)
End If
errmsg:
End Function

```

```

Private Sub cmdAdd_Click()
    ok
    frameDEPTwiseDrSt.Visible = False
    Adodc1.Visible = False
    Adodc2.Visible = False
    DataGrid1.Visible = False
    Clear
    fun
    On Error GoTo errmsg
    If optdoctor.Value = True Then
        Image2.Picture = LoadPicture("D:\IPIMS\IPIMSimage\doc5.jpg")
        Set rs = New ADODB.Recordset
        rs.Open "select * from tbl_DrDetail order by did", conn, 3, 3
        Dim num1 As String * 4
        Dim num2 As Long
        With rs
            If rs.BOF Then
                num1 = "D001"
                txtid.Text = num1
            Else
                rs.MoveLast
                num2 = Right(!did, 3) + 1
                num1 = "D" & Right("000" & num2, 3)
            End If
        End With
    End If
End Sub

```

```
End If
txtid.Text = num1
End With
End If

If optstaff.Value = True Then
    Image2.Picture = LoadPicture("D:\IPIMS\IPIMSSimage\staff.jpg")
    Set rs = New ADODB.Recordset
    rs.Open "select * from tbl_Sdetail order by sid", conn, 3, 3
    Dim num3 As String * 4
    Dim num4 As Long
    With rs
        If rs.BOF Then
            num3 = "S001"
            txtid.Text = num3
        Else
            rs.MoveLast
            num4 = Right(!sid, 3) + 1
            num3 = "S" & Right("000" & num4, 3)
        End If
        txtid.Text = num3
    End With
End If
txtnm.SetFocus
errmsg:
End Sub

Private Sub cmdBack_Click()
    MDIForm1.Show
    Form12.Hide
End Sub

Public Function ok()
    If optdoctor = False And optstaff = False Then 'Checking
        optdoctor,optstaff,optpatient=false ?
        MsgBox "select user type.", vbExclamation + vbOKOnly, "Login Status"
        clean
    Else
        Frame2.Visible = True
        cmdImage.Enabled = True
    End If

```

End Function

```
Private Sub cmdOK_Click()
```

```
    ok
```

```
End Sub
```

```
Private Sub cmdRefresh_Click()
```

```
    sql = "SELECT * FROM tbl_DrDetail"
```

```
    Adodc1.RecordSource = sql
```

```
    Adodc1.Refresh
```

```
    display
```

```
End Sub
```

```
Private Sub cmdSAVE_Click()
```

```
fun
```

```
On Error GoTo errormsg
```

```
If txtid.Text <> "" And txtnm.Text <> "" And txtmobile.Text <> "" And comboDEPT.Text <> ""
```

```
And impath.Text <> "" Then
```

```
If optdoctor.Value = True Then
```

```
Frame2.Visible = True
```

```
Adodc1.RecordSource = "SELECT * FROM tbl_DrDetail where did="" & txtid.Text & """
```

```
    Adodc1.Refresh
```

```
    sql = "insert into tbl_DrDetail values("" + txtid.Text + "", "" + txtnm.Text + "", "" +  
    txtmobile.Text + "", "" + comboDEPT.Text + "", "" + ComboServicenm.Text + "", "" + impath.Text +  
    "")"
```

```
    Set rs = conn.Execute(sql)
```

```
    Set DataGrid1.DataSource = Adodc1.Recordset
```

```
    Adodc1.Refresh
```

```
    Adodc1.RecordSource = "SELECT * FROM tbl_DrDetail where did="" & txtid.Text & """
```

```
    Adodc1.Refresh
```

```
    Set DataGrid1.DataSource = Adodc1.Recordset
```

```
    frameDEPTwiseDrSt.Visible = True
```

```
    frameDEPTwiseDrSt.Caption = "DEPARTMENTWISE DOCTOR DETAIL"
```

```
    frameDEPTwiseDrSt.FontBold = True
```

```
    showing
```

```
    MsgBox "record saved !!", vbInformation + vbOKOnly, "DOCTOR's Account"
```

```
    clean
```

```
    Clear
```

```
    txtid.Text = ""
```

```
    Frame2.Visible = False
```

```
End If
```

```

On Error GoTo errormsg
If optstaff.Value = True Then
Frame2.Visible = True
Adodc2.RecordSource = "SELECT * FROM tbl_Sdetail where sid=''" & txtid.Text & """
Adodc2.Refresh
sql = "insert into tbl_Sdetail values('' + txtid.Text + '','' + txtnm.Text + ',' +
txtmobile.Text + ',' + comboDEPT.Text + ',' + ComboServicenm.Text + ',' + impath.Text +
'''"
Set rs = conn.Execute(sql)
Set DataGrid1.DataSource = Adodc2.Recordset
Adodc2.RecordSource = "SELECT * FROM tbl_Sdetail where sid=''" & txtid.Text & """
Adodc2.Refresh
Set DataGrid1.DataSource = Adodc2.Recordset
frameDEPTwiseDrSt.Visible = True
frameDEPTwiseDrSt.Caption = "DEPARTMENTWISE DOCTOR DETAIL"
frameDEPTwiseDrSt.FontBold = True
showing
MsgBox "record saved !!", vbInformation + vbOKOnly, "DOCTOR's Account"
clean
Clear
txtid.Text = ""
Frame2.Visible = False
End If
End If
errormsg:
End Sub

Public Function clsCombo()
ComboServicenm.Enabled = True
End Function

Private Sub comboDEPT_Click()
If comboDEPT.Text = "RH0000" Then
ComboServicenm.Enabled = False
End If
If comboDEPT.Text = "RH0001" Then
clsCombo
Me.ComboServicenm.Clear
ComboServicenm.Enabled = True
ComboServicenm.AddItem "Neonatal Intensive Care Unit"
ComboServicenm.AddItem "New Born and Pediatric ICU"
ComboServicenm.AddItem "Hand Therapy"

```

```
ComboServicenm.AddItem "Consultant Physiotherapy"  
ComboServicenm.AddItem "Functional Physiotherapy"  
ComboServicenm.AddItem "Trauma Center"  
ComboServicenm.AddItem "Ophthalmology"  
ComboServicenm.AddItem "Surgery"  
ComboServicenm.AddItem "Covid-19"  
End If  
If comboDEPT.Text = "RH0002" Then  
clsCombo  
Me.ComboServicenm.Clear  
ComboServicenm.Enabled = True  
ComboServicenm.AddItem "Critical Care Unit"  
End If  
If comboDEPT.Text = "RH0003" Then  
ComboServicenm.Enabled = False  
End If  
If comboDEPT.Text = "RH0004" Then  
ComboServicenm.Enabled = False  
End If  
If comboDEPT.Text = "RH0005" Then  
clsCombo  
Me.ComboServicenm.Clear  
ComboServicenm.Enabled = True  
ComboServicenm.AddItem "Pathology"  
End If  
If comboDEPT.Text = "RH0006" Then  
ComboServicenm.Enabled = False  
End If  
End Sub
```

```
Private Sub Form_Load()  
cmdImage.Enabled = False  
Frame2.Visible = False  
txtid.Enabled = False  
Image2.Picture = LoadPicture("D:\IPIMS\IPIMSSimage\medical.jpg")  
frameDEPTwiseDrSt.Visible = True  
fun  
If optdoctor.Value = True Then  
sql = "SELECT * FROM tbl_DrDetail"  
Adodc1.RecordSource = sql  
Adodc1.Refresh
```

```
End If
If optstaff.Value = True Then
    sql = "SELECT * FROM tbl_Sdetail"
    Adodc2.RecordSource = sql
    Adodc2.Refresh
End If
optstaff.Value = False
optdoctor.Value = False
comboDEPT.AddItem "RH0000"
comboDEPT.AddItem "RH0001"
comboDEPT.AddItem "RH0002"
comboDEPT.AddItem "RH0003"
comboDEPT.AddItem "RH0004"
comboDEPT.AddItem "RH0005"
comboDEPT.AddItem "RH0006"
display
End Sub
```

```
Private Sub cmdcancel_Click()
    Unload Me
End Sub
```

```
Private Sub cmdImage_Click()
CommonDialog1.FileName = ""
CommonDialog1.Filter = "(*.bmp;*.ico;*.gif;*.jpg)/*.bmp;*.ico;*.gif;*.jpg"
CommonDialog1.ShowOpen
If impath.Text = Empty Then
    Frame6.Visible = True
End If
On Error GoTo msg
If Len(CommonDialog1.FileName) <> 0 Then
    impath = CommonDialog1.FileName
    Image2.Picture = LoadPicture(impath)
Else
msg:
    impath.Text = ""
    Image2.Picture = LoadPicture("D:\IPIMS\IPIMSSimage\doc5" & ".jpg")
    MsgBox "Please select Only (*.bmp;*.ico;*.gif;*.jpg)files."
End If
End Sub
```

```
Private Sub cmdSEARCH_Click()
If optdoctor = False And optstaff = False Then 'Checking optdoctor,optstaff,optpatient=false
?
    MsgBox "select user type.", vbExclamation + vbOKOnly, "Error"
    clean
    Exit Sub
End If

If optdoctor.Value = True Then
frameDEPTwiseDrSt.Visible = False
a = InputBox("Enter Doctor ID which you want to search.")
Adodc1.RecordSource = "SELECT * FROM tbl_DrDetail where did="" & a & """
    Adodc1.Refresh
    If Adodc1.Recordset.EOF Then
        MsgBox "Doctor id not found!" & vbCrLf & "Please insert valid Doctor id. ", vbExclamation, "Failed"
    Else
        MsgBox "Doctor id found in the database!", vbInformation, "Success"
        display
        Frame2.Visible = True
        frameDEPTwiseDrSt.Visible = True
    End If
End If

If optstaff.Value = True Then
frameDEPTwiseDrSt.Visible = False
a = InputBox("Enter Staff ID which you want to search.")
Adodc2.RecordSource = "SELECT * FROM tbl_Sdetail where sid="" & a & """
Set DataGrid1.DataSource = Adodc2.Recordset
    Adodc2.Refresh
    If Adodc2.Recordset.EOF Then
        MsgBox "Staff id not found!" & vbCrLf & "Please insert valid Staff id. ", vbExclamation, "Failed"
    Else
        MsgBox "Staff id found in the database!", vbInformation, "Success"
        display
        Frame2.Visible = True
        frameDEPTwiseDrSt.Visible = True
    End If
End If
End Sub
```

```
Private Sub cmdUpdate_Click()
```

```

Frame3.Visible = True
If optdoctor.Value = True Then
    If txtid.Text = "" Or txtnm.Text = "" Or comboDEPT.Text = "" Or impath.Text = "" Then
        MsgBox "Field shouldn't be empty!", vbOKOnly + vbCritical, "Warning!"
    Else
        Adodc1.Recordset.Fields(0) = txtid.Text
        Adodc1.Recordset.Fields(1) = txtnm.Text
        Adodc1.Recordset.Fields(2) = txtmobile.Text
        Adodc1.Recordset.Fields(3) = comboDEPT.Text
        Adodc1.Recordset.Fields(4) = ComboServicenm.Text
        Adodc1.Recordset.Fields(5) = impath.Text
        MsgBox "Record updated successfully!", vbOKOnly + vbInformation, "Update
successful!"
        Adodc1.Recordset.Update
    End If
End If
If optstaff.Value = True Then
    If txtid.Text = "" Or txtnm.Text = "" Or comboDEPT.Text = "" Or impath.Text = "" Then
        MsgBox "Field shouldn't be empty!", vbOKOnly + vbCritical, "Warning!"
    Else
        Adodc2.Recordset.Fields(0) = txtid.Text
        Adodc2.Recordset.Fields(1) = txtnm.Text
        Adodc2.Recordset.Fields(2) = txtmobile.Text
        Adodc2.Recordset.Fields(3) = comboDEPT.Text
        Adodc2.Recordset.Fields(4) = ComboServicenm.Text
        Adodc2.Recordset.Fields(5) = impath.Text
        MsgBox "Record updated successfully!", vbOKOnly + vbInformation, "Update
successful!"
        Adodc2.Recordset.Update
    End If
End If
End Sub

```

```

Private Sub cmdDELETE_Click()
    fun
    If optdoctor.Value = True Then
        On Error GoTo errormsg
        answer = MsgBox("Are you sure you want to delete this record?", vbQuestion +
vbYesNo, "Warning!")
        If answer = vbYes Then
            Adodc1.Recordset.Delete

```

```
Clear
MsgBox "Record deleted successfully.", vbInformation + vbOKOnly, "Confirmation"
Clear
Adodc1.Recordset.Update
Adodc1.Refresh
Adodc1.Recordset.MoveLast
display
End If
errmsg:
End If
If optstaff.Value = True Then
    On Error GoTo errmsg1
    answer = MsgBox("Are you sure you want to delete this record?", vbQuestion +
vbYesNo, "Warning!")
    If answer = vbYes Then
        Adodc2.Recordset.Delete
        MsgBox "Record deleted successfully.", vbInformation + vbOKOnly, "Confirmation"
        Clear
        Adodc2.Recordset.Update
        Adodc2.Refresh
        Adodc2.Recordset.MoveLast
        display
    End If
errmsg1:
End If
End Sub
```

```
Private Sub M_logout_Click()
Me.Hide
HOME
MDIForm1.M_MENU.Enabled = True
End Sub
```

```
Private Sub txtid_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    txtnm.SetFocus
End If
End Sub
```

```
Private Sub txtMobile_Change()
Dim i, text_count As Integer
```

```
If Len(Me.txtmobile.Text) > 0 Then
    For i = 1 To Len(Me.txtmobile.Text)
        If IsNumeric(Mid(Me.txtmobile.Text, i, 1)) = False Then
            Me.txtmobile.Text = Replace(Me.txtmobile.Text, Mid(Me.txtmobile.Text, i, 1), "")
            text_count = text_count + 1
        End If
    Next i
    If text_count > 0 Then
        MsgBox "Only numbers are allowed", vbExclamation + vbOKOnly, "Error"
        txtmobile.Text = ""
        Exit Sub
    End If
End If
End Sub
```

```
Private Sub txtMobile_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    comboDEPT.SetFocus
End If
End Sub
```

```
Private Sub txtMobile_LostFocus()
If Len(Me.txtmobile.Text) <> 10 Then
    MsgBox "Only 10 digits are allowed.", vbExclamation + vbOKOnly, "Error"
    txtmobile.Text = ""
    txtmobile.SetFocus
    Exit Sub
End If
If Len(Me.txtmobile.Text) = 10 Then
    Dim b As Integer
    b = txtmobile.Text Like "[6789]#####"
    If (Not b) Then
        MsgBox "invalid mobile number.", vbExclamation + vbOKOnly, "Error"
        txtmobile.Text = ""
        txtmobile.SetFocus
    End If
End If
End Sub
```

```
Private Sub txtnm_Change()
If Len(Me.txtnm.Text) > 20 Then
```

```

    MsgBox "Only 20 characters are allowed", vbExclamation + vbOKOnly, "Error"
    txtnm.Text = ""
    txtnm.SetFocus
End If
End Sub

```

```

Private Sub txtnm_KeyPress(KeyAscii As Integer)
Select Case KeyAscii
Case 65 To 90, 8, 32
    'Let these key codes pass through
Case 97 To 122, 8, 32
    'Let these key codes pass through
Case 13
    txtmobile.SetFocus
Case Else
    'All others get trapped
    MsgBox "Only Upper and Lower case alphabets are allowed."
    KeyAscii = 0
End Select
End Sub

```

```

Private Sub txtnm_LostFocus()
txtnm.Text = StrConv(txtnm.Text, vbProperCase)
End Sub

```

b) Screen Shot:

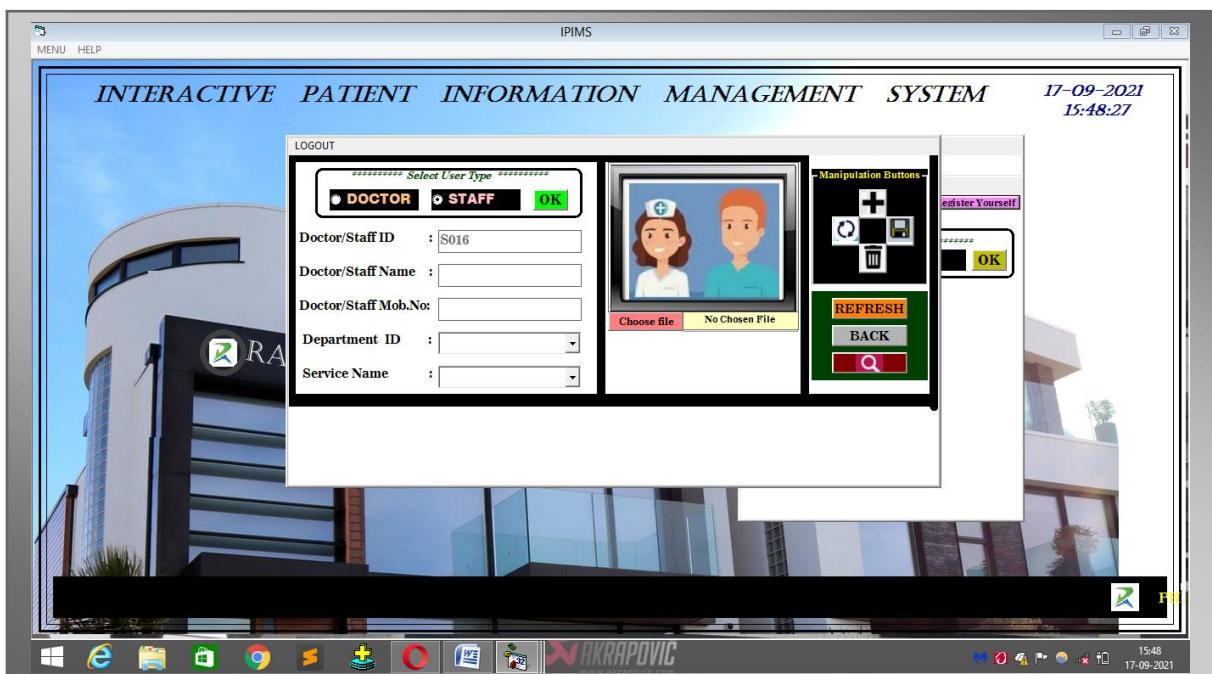


Figure1 : Add data.

Submitted By: Shivani Kumari (18166)

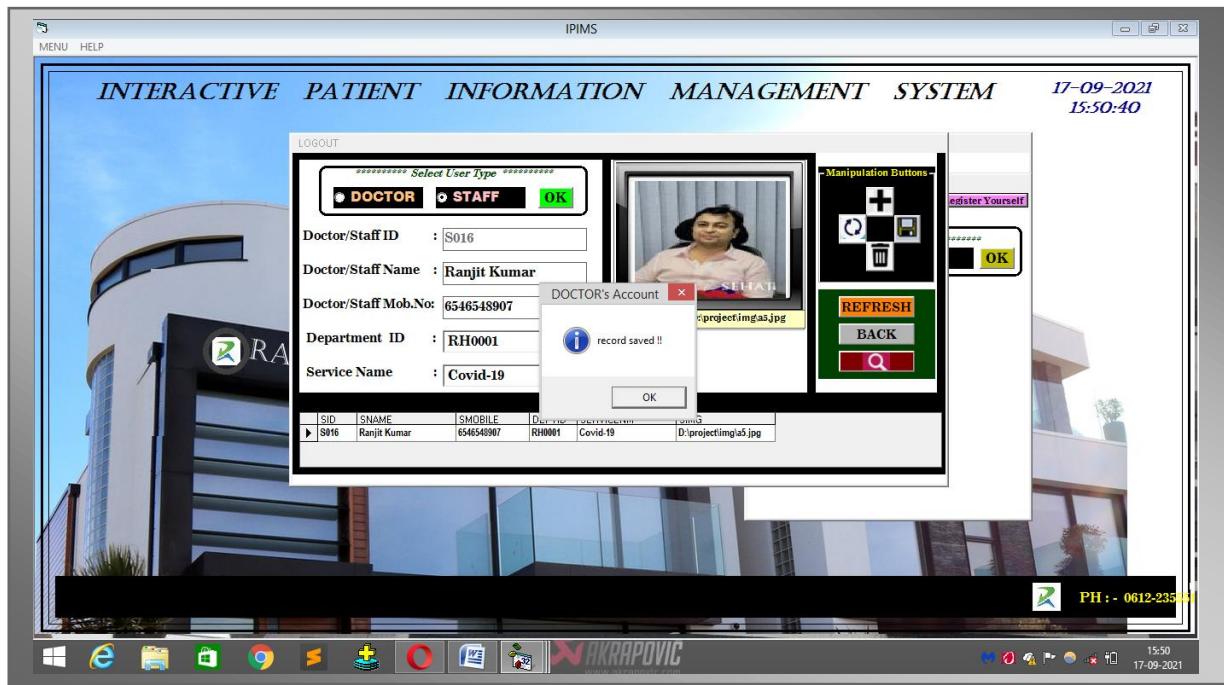


Figure2 : Save data.

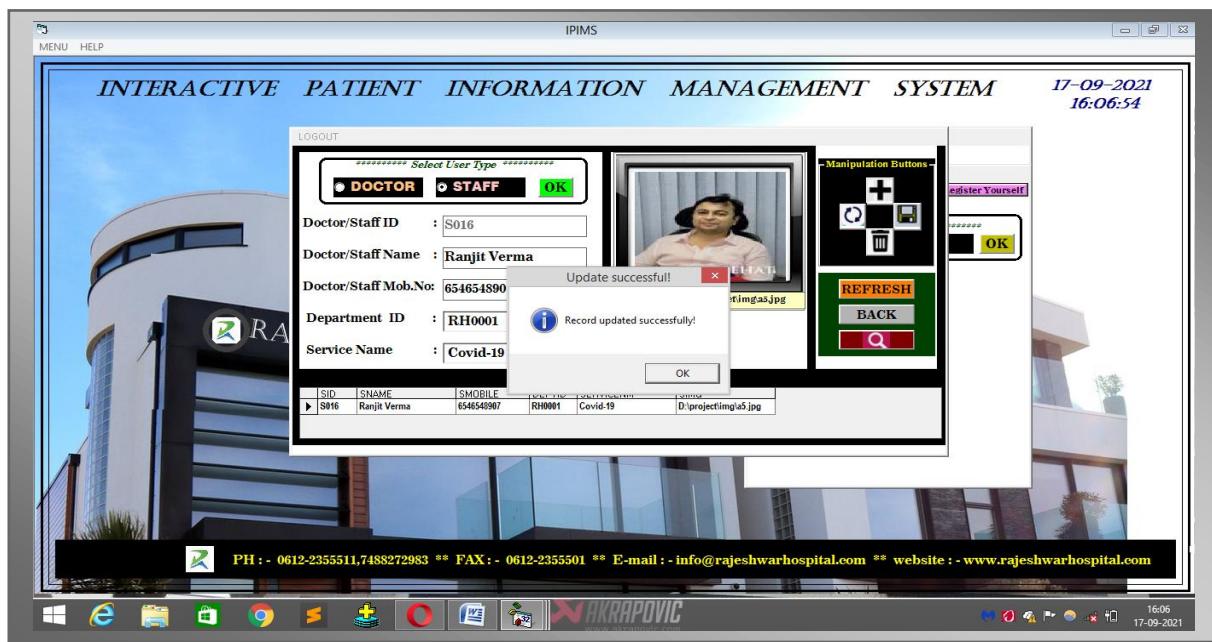


Figure3 : Update data.

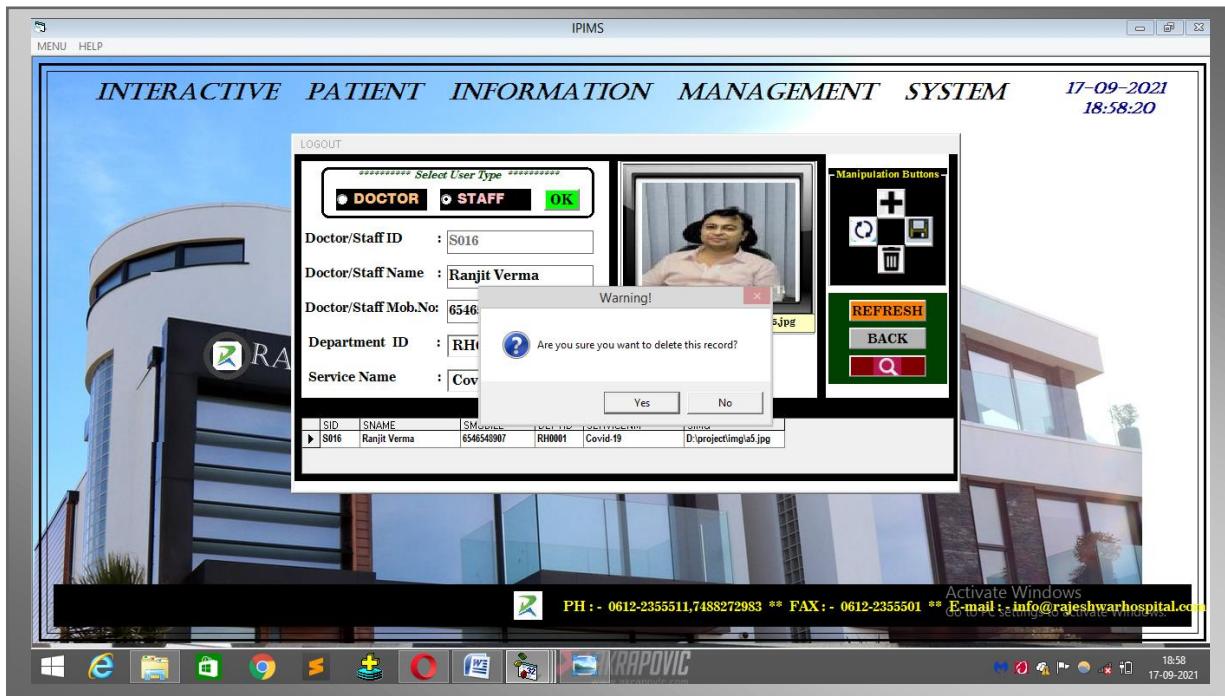


Figure4 : Delete data confirmation message.

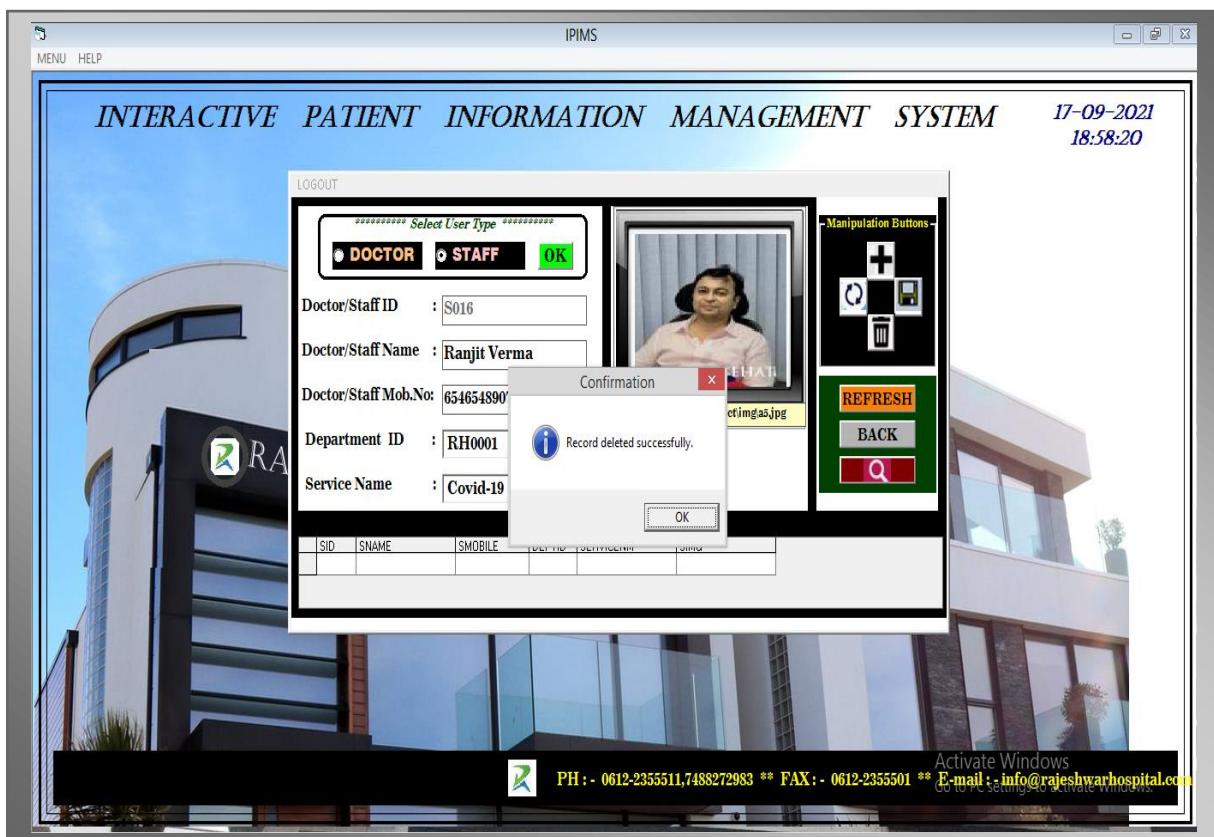


Figure5 : Data deleted Successfully.

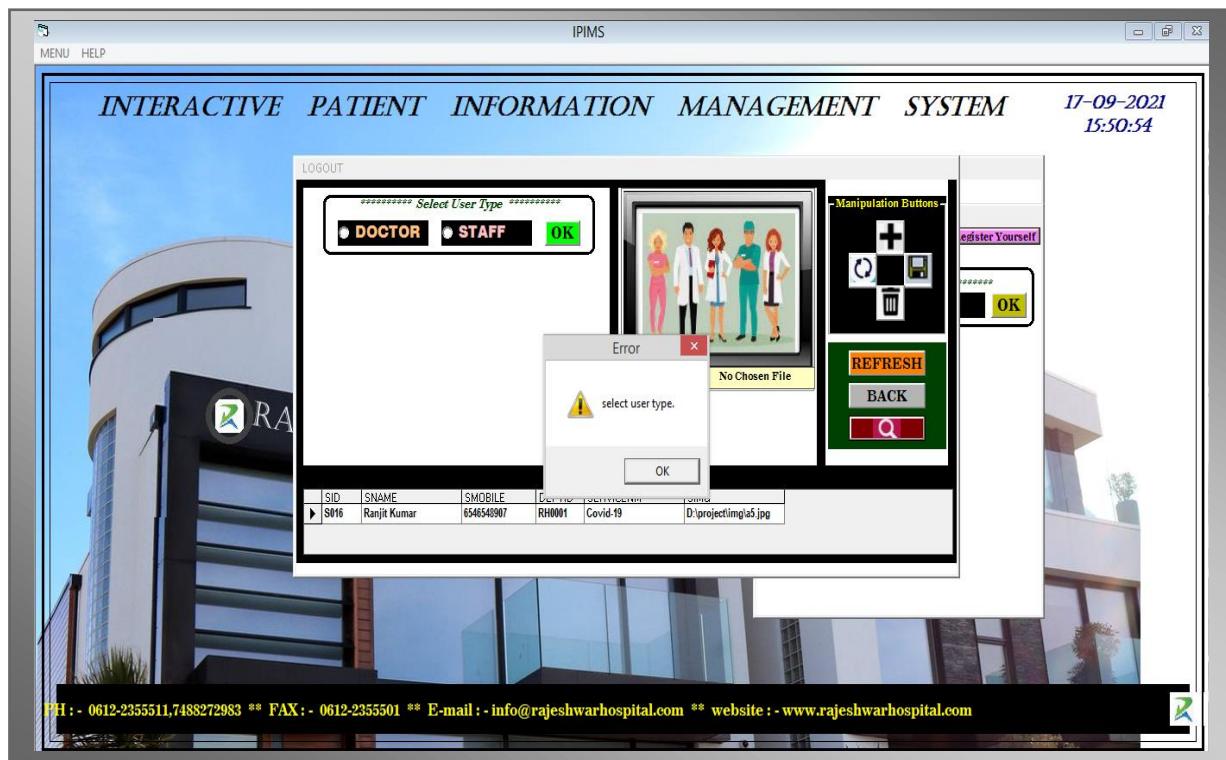


Figure6 : without select usertype if user wants to search any doctor's or staff's detail then error message will be display.

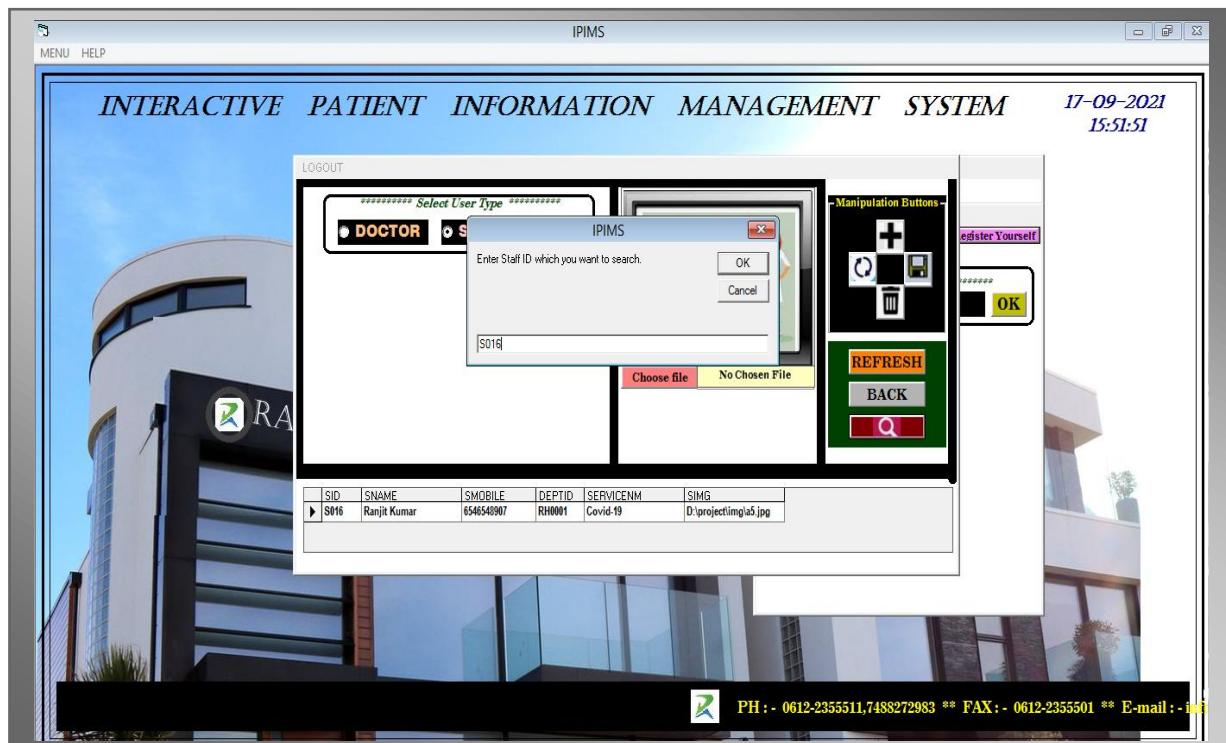


Figure7 : Search detail by ID.

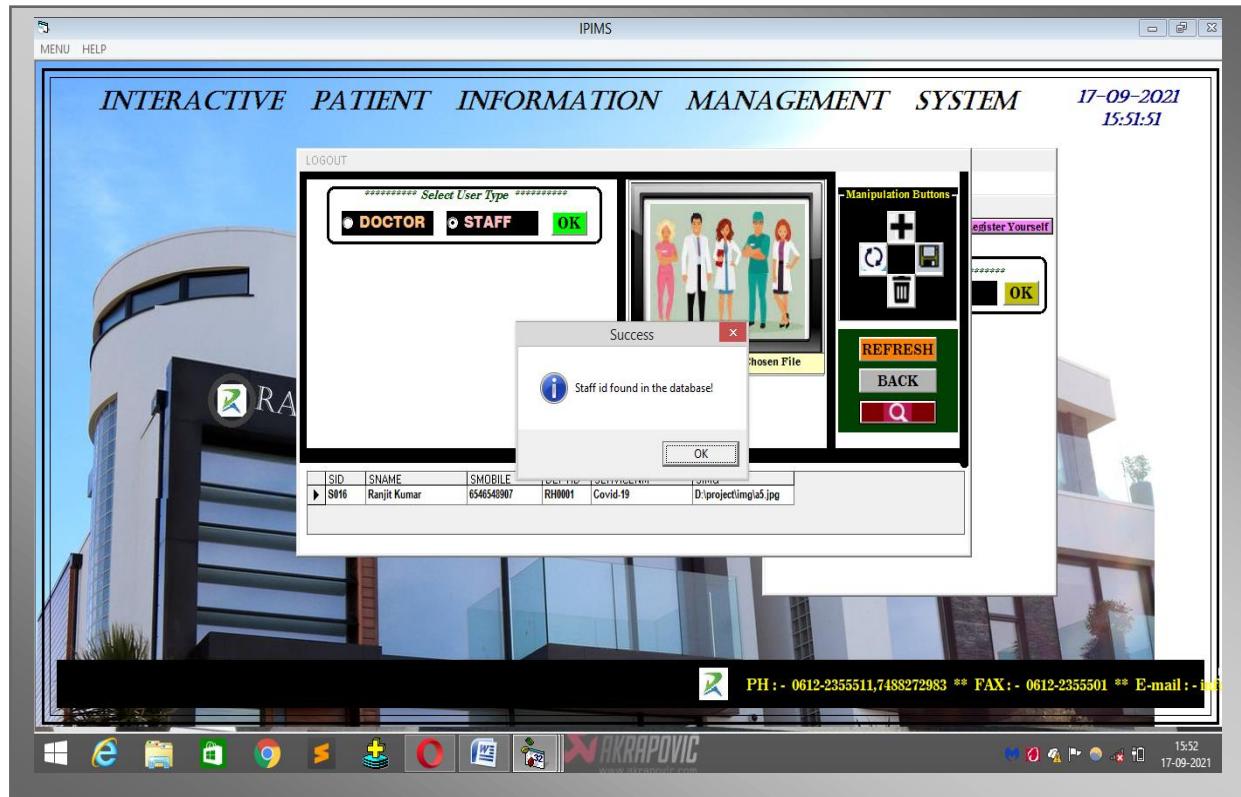


Figure 8 :

- Step1: Search detail by ID.
 Step2: ID found message displayed.

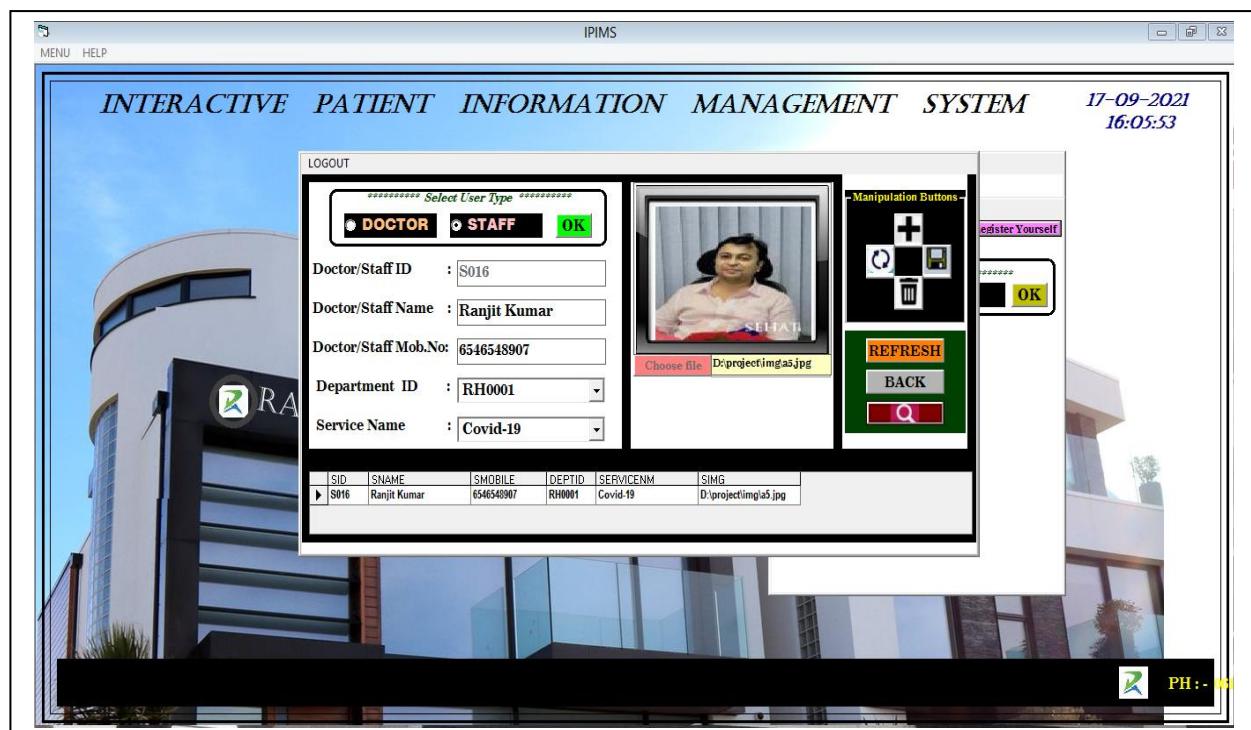


Figure 9 : After press enter keyword Detail will be display.

Submitted By: Shivani Kumari (18166)

C) Data Report:

i) Doctor's Basic Detail Data Report:

RAJESHWAR HOSPITAL 17-09-2021
 Near Bahadurpur Flyover, Kankarbagh Main Road
 Kankarbagh, Patna-800 020 || Fax: 0612-2355501
 Ph : 0612-2355511, 0612-2355500, 7488272983
 Website : www.rajeshwarhospital.com
 E-mail : info@rajeshwarhospital.com

Doctor Detail DataReport

Doctor ID	Name	Mobile	DeptID	Service Name
D005	Deepak Jha	9876543214	RH0001	Hand Therapy
D006	Nilesh Sharma	9876543215	RH0001	Consultant Physiotherapy
D007	Kiran Patel	9876543216	RH0001	Functional Physiotherapy
D008	Shekhar Sharma	9876543217	RH0001	Trauma Center
D009	Manpreet Singh	9876543218	RH0001	Ophthalmology
D010	Kinjal Patel	9876543219	RH0001	Surgery
D011	Shiv Kumar	9876543222	RH0001	Covid-19
D012	Shivam Soni	9876543200	RH0002	Critical Care Unit
D001	Rakesh Solanki	9876543210	RH0000	
D002	Jayant Patel	9876543211	RH0000	
D003	Sikha Singh	9876543212	RH0001	Neonatal Intensive Care
D004	Sima Solanki	9876543213	RH0001	New Born and Pediatric

Total No. of Records : 12 Page No : 1

Pages: | < | 1 | > | >> |

ii) Staff's Basic Detail Data Report:

RAJESHWAR HOSPITAL 17-09-2021
 Near Bahadurpur Flyover, Kankarbagh Main Road
 Kankarbagh, Patna-800 020 || Fax: 0612-2355501
 Ph : 0612-2355511, 0612-2355500, 7488272983
 Website : www.rajeshwarhospital.com
 E-mail : info@rajeshwarhospital.com

Staff Detail DataReport

Staff ID	Name	Mobile	DeptID	Service Name
S015	Shubhankar Mishra	7777722222	RH0006	
S001	Rohit Kumar	8765432106	RH0000	
S002	Amit Saini	8765432101	RH0001	Neonatal Intensive Care
S003	Anu Jha	8765432102	RH0001	New Born and Pediatric
S004	Aman Sharma	8765432103	RH0001	Hand Therapy
S005	Kaajal Kumar	8765432104	RH0001	Consultant Physiotherapy
S006	Niraj Kumar	8765432105	RH0001	Functional Physiotherapy
S007	Nayan Mathur	8765432106	RH0001	Trauma Center
S008	Chandan Kumar	8765432107	RH0001	Ophthalmology
S009	Rekha Sinha	8765432108	RH0001	Surgery
S010	Sumit Raj	8765432109	RH0001	Covid-19
S011	Sandeep Singh	8765432111	RH0003	
S012	Sunil Roy	876543222	RH0002	Critical Care Unit
S013	Rakesh Verma	8765431111	RH0004	
S014	Sumit Roy	7777711111	RH0005	Pathology

Total No. of Records : 15 Page No : 1

Pages: | < | 1 | > | >> |

iii) Doctor's Login Detail Data Report:

INTERACTIVE PATIENT INFORMATION MANAGEMENT SYSTEM

17-09-2021
19:41:12

DoctorLogin DataReport (IPMS)

Report (RH)

09-2021 19:41:12 PM

MULTIPLE RECORDS

- Patient Detail Reference Appointment
- Labtest Decision Prescription
- Ward Treatment Registration
- Doctor Detail D>Login Department
- Staff Detail S>Login Bill

RAJESHWAR HOSPITAL

17-09-2021

19:40

Near Bahadurpur Flyover, Kankarbagh Main Road
Kankarbagh, Patna-800 020 | Fax : 0612-2355501
Ph : 0612-2355511, 0612-2355500, 7488272983
Website : www.rajeshwarsahospital.com
E-mail : info@rajeshwarsahospital.com

DoctorLogin Detail DataReport

Mobile	Username	Password
9876543211	Jayant Patel	Jp12@
9876543212	Sikha Singh	Ss12@
9876543213	Sima Solanki	Ss12@
9876543214	Deepak Jha	Dj12@
9876543215	Nillesh Sharma	Ns12@

Pages: | < | 1 | > |

Activate Windows
:- 0612-2355501 ** E-mail : info@rajeshwarsahospital.com
Go to PC settings to activate Windows.

iv) Staff's Login Detail Data Report:

The screenshot displays the IPIMS application interface. The main title bar reads "INTERACTIVE PATIENT INFORMATION MANAGEMENT SYSTEM". The date and time "17-09-2021 19:41:27" are shown in the top right corner. A sub-menu bar at the top includes "PATIENT", "APPOINTMENT", "LABTEST", "DataReport (RH)", and "DataReport (Staff Login)". The "DataReport (Staff Login)" window is open, titled "DataReport (Staff Login) Zoom 100%". It features the "RAJESHWAR HOSPITAL" logo and address: "Near Bahadurpur Flyover, Kankarbagh Main Road, Kankarbagh, Patna-800 020 | Fax : 0612-2355501 | Ph : 0612-2355511, 0612-2355500, 7488272983 | Website : www.rajeshwarhospital.com | E-mail : info@rajeshwarhospital.com". Below this is a section titled "Staff Login Detail DataReport" containing a table of staff login details:

Mobile	Username	Password
8765432100	Rohit Kumar	Rk12!@
8765432101	Amit Sahni	As12!@
8765432102	Anu Jha	Aj12!@
8765432103	Aman Sharma	As12!@
8765432104	Kajal Kumari	Kk12!@

At the bottom left of the main window, there are page navigation icons: "Pages: < < | 1 | > >". To the right of the main window, a sidebar titled "MULTIPLE RECORDS" lists various categories with radio button options: Patient Detail (Reference, Appointment), Labtest (Decision, Prescription), Ward (Treatment, Registration), Doctor Detail (DLogin, Department), Staff Detail (SLogin, Bill). At the bottom right of the sidebar is a "log in" button with a user icon. The background of the application shows a photograph of a modern hospital building.

9. Patient Detail Form

a) Code:

```
Dim gen As String
Dim marital As String

Public Function display()
    Set DataGrid1.DataSource = Adodc1.Recordset
    On Error GoTo errormsg
    txtPno.Text = Adodc1.Recordset.Fields(0)
    txtnm.Text = Adodc1.Recordset.Fields(1)
    txtfnm.Text = Adodc1.Recordset.Fields(2)
    DTPicker1.Value = Adodc1.Recordset.Fields(3)
    txtpDOB.Text = Adodc1.Recordset.Fields(3)
    txtage.Text = Adodc1.Recordset.Fields(4)
    txtpgen.Text = Adodc1.Recordset.Fields(5)
    If Adodc1.Recordset.Fields(5) = "M" Then
        Option1.Value = True
    Else
        Option2.Value = True
    End If
    If Adodc1.Recordset.Fields(6) = "M" Then
        Option3.Value = True
    Else
        Option4.Value = True
    End If
    txtpms.Text = Adodc1.Recordset.Fields(6)
    comboBG.Text = Adodc1.Recordset.Fields(7)
    comboRELIGION.Text = Adodc1.Recordset.Fields(8)
    RTBresAdd.Text = Adodc1.Recordset.Fields(9)
    RTBperAdd.Text = Adodc1.Recordset.Fields(10)
    txtdoor.Text = Adodc1.Recordset.Fields(11)
    txtstreet.Text = Adodc1.Recordset.Fields(12)
    txttown.Text = Adodc1.Recordset.Fields(13)
    txtpo.Text = Adodc1.Recordset.Fields(14)
    txttaluk.Text = Adodc1.Recordset.Fields(15)
    txtdistrict.Text = Adodc1.Recordset.Fields(16)
    txtstate.Text = Adodc1.Recordset.Fields(17)
    txtcountry.Text = Adodc1.Recordset.Fields(18)
```

```
txtpincode.Text = Adodc1.Recordset.Fields(19)
txtmobile.Text = Adodc1.Recordset.Fields(20)
txtallergy.Text = Adodc1.Recordset.Fields(21)
impath.Text = Adodc1.Recordset.Fields(22)
Image2.Picture = LoadPicture(impath.Text)
txtrno.Text = Adodc1.Recordset.Fields(24)
errmsg:
End Function
```

```
Public Function Clear()
txtnm.Text = ""
txtnm.Text = ""
txtpDOB.Text = ""
txtage.Text = ""
txtpgen.Text = ""
txtpms.Text = ""
comboBG.Text = ""
comboRELIGION.Text = ""
RTBresAdd.Text = ""
RTBperAdd.Text = ""
txtdoor.Text = ""
txtstreet.Text = ""
txttown.Text = ""
txtpo.Text = ""
txttaluk.Text = ""
txtdistrict.Text = ""
txtstate.Text = ""
txtcountry.Text = ""
txtpincode.Text = ""
txtmobile.Text = ""
txtallergy.Text = ""
impath.Text = "      No Chosen File"
Image2.Picture = LoadPicture("D:\project\img\USER.jpg")
Option1.Value = False
Option2.Value = False
Option3.Value = False
Option4.Value = False
txtrno.Text = ""
End Function
```

```
Private Sub cmdAdd_Click()
```

```
framePatDetail.Visible = False
txtrno.Enabled = False
DTPicker1.Value = "01-01-2000"
Clear
Set rs = New ADODB.Recordset
rs.Open "select * from tbl_PbasicDetail order by pno", conn, 3, 3
Dim num1 As String * 4
Dim num2 As Long
With rs
If rs.EOF Then
    num1 = "0001"
    txtPno.Text = num1
Else
    rs.MoveLast
    num2 = Right(!pno, 3) + 1
    num1 = Right("000" & num2, 4)
End If
txtPno.Text = num1
End With
Set rs = Nothing
txtnm.SetFocus
End Sub
```

```
Private Sub cmdcancel_Click()
    Unload Me
End Sub
```

```
Private Sub cmdImage_Click()
CommonDialog1.FileName = ""
CommonDialog1.Filter = "(*.bmp;*.ico;*.gif;*.jpg)/*.bmp;*.ico;*.gif;*.jpg"
CommonDialog1.ShowOpen
If impath.Text = Empty Then
    Frame6.Visible = True
End If
On Error GoTo msg
If Len(CommonDialog1.FileName) <> 0 Then
    impath = CommonDialog1.FileName
    Image2.Picture = LoadPicture(impath)
Else
msg:
    impath.Text = ""
```

```
Image2.Picture = LoadPicture("D:" & "\project\img\patient" & ".jpg")
MsgBox "Please select Only (*.bmp;*.ico;*.gif;*.jpg)files."
End If
End Sub
```

```
Private Sub cmdOpenReferenceForm_Click()
    Form19.Show
End Sub
```

```
Private Sub cmdRefresh_Click()
    Dim sql As String
    sql = "SELECT * FROM tbl_PbasicDetail"
    Adodc1.RecordSource = sql
    Adodc1.Refresh
    Frame2.Visible = True
    display
End Sub
```

```
Private Sub cmdUpdate_Click()
    Frame2.Visible = False
    Frame3.Visible = False
    DTPicker1.Value = txtDOB.Text
    If txtPno.Text = "" Or txtnm.Text = "" Or txtfnm.Text = "" Or txtDOB.Text = "" Or
        txtage.Text = "" Or txtgen.Text = "" Or txtpms.Text = "" Or RTBresAdd.Text = "" Or
        RTBperAdd.Text = "" Or txtstreet.Text = "" Or txtdistrict.Text = "" Or txtstate.Text = "" Or
        txtcountry.Text = "" Or txtmobile.Text = "" Then
        MsgBox "Field shouldn't be empty!", vbOKOnly + vbCritical, "Warning!"
    Else
        Adodc1.Recordset.Fields(0) = txtPno.Text
        Adodc1.Recordset.Fields(1) = txtnm.Text
        Adodc1.Recordset.Fields(2) = txtfnm.Text
        Adodc1.Recordset.Fields(3) = DTPicker1.Value
        Adodc1.Recordset.Fields(3) = txtDOB.Text
        Adodc1.Recordset.Fields(4) = txtage.Text
        Adodc1.Recordset.Fields(5) = txtgen.Text
        Adodc1.Recordset.Fields(6) = txtpms.Text
        Adodc1.Recordset.Fields(7) = comboBG.Text
        Adodc1.Recordset.Fields(8) = comboRELIGION.Text
        Adodc1.Recordset.Fields(9) = RTBresAdd.Text
        Adodc1.Recordset.Fields(10) = RTBperAdd.Text
        Adodc1.Recordset.Fields(11) = txtdoor.Text
    End If
End Sub
```

```

Adodc1.Recordset.Fields(12) = txtstreet.Text
Adodc1.Recordset.Fields(13) = txttown.Text
Adodc1.Recordset.Fields(14) = txtpo.Text
Adodc1.Recordset.Fields(15) = txttaluk.Text
Adodc1.Recordset.Fields(16) = txtdistrict.Text
Adodc1.Recordset.Fields(17) = txtstate.Text
Adodc1.Recordset.Fields(18) = txtcountry.Text
Adodc1.Recordset.Fields(19) = txtpincode.Text
Adodc1.Recordset.Fields(20) = txtmobile.Text
Adodc1.Recordset.Fields(21) = txtallergy.Text
Adodc1.Recordset.Fields(22) = impath.Text
MsgBox "Record updated successfully!", vbOKOnly + vbInformation, "Update
successful!"
framePatDetail.Visible = True
Adodc1.Recordset.Update
End If
End Sub

```

```

Private Sub M_logout_Click()
Me.Hide
HOME
MDIForm1.M_MENU.Enabled = True
End Sub

```

```

Private Sub M_Search_By_Allergy_Click()
FramePatientDisplay.Visible = False
a = InputBox("Enter Patient Name which you want to search.")
Adodc1.RecordSource = "SELECT * FROM tbl_PbasicDetail where pallergy="" & a & """
Adodc1.Refresh
If Adodc1.Recordset.EOF Then
    MsgBox "Patient detail not found!" & vbCrLf & "Please insert valid Patient Number.
", vbExclamation, "Failed"
Else
    MsgBox "Patient detail found in the database!", vbInformation, "Success"
    display
    framePatDetail.Visible = True
End If
End Sub

```

```

Private Sub M_Search_By_Mobile_No_Click()
FramePatientDisplay.Visible = False

```

```
a = InputBox("Enter Patient Mobile Number which you want to search.")  
Adodc1.RecordSource = "SELECT * FROM tbl_PbasicDetail where pmobile="" & a & """  
Adodc1.Refresh  
If Adodc1.Recordset.EOF Then  
    MsgBox "Patient detail not found!" & vbCrLf & "Please insert valid Patient Number."  
, vbExclamation, "Failed"  
Else  
    MsgBox "Patient Mobile Number found in the database!", vbInformation, "Success"  
    display  
    framePatDetail.Visible = True  
End If  
End Sub
```

```
Private Sub M_Search_By_Name_Click()  
    FramePatientDisplay.Visible = False  
    a = InputBox("Enter Patient Name which you want to search.")  
    Adodc1.RecordSource = "SELECT * FROM tbl_PbasicDetail where pname="" & a & """  
    Adodc1.Refresh  
    If Adodc1.Recordset.EOF Then  
        MsgBox "Patient detail not found!" & vbCrLf & "Please insert valid Patient Number."  
, vbExclamation, "Failed"  
    Else  
        MsgBox "Patient Name found in the database!", vbInformation, "Success"  
        display  
        framePatDetail.Visible = True  
    End If  
End Sub
```

```
Private Sub M_Search_By_No_Click()  
    a = InputBox("Enter Patient Number which you want to search.")  
    Adodc1.RecordSource = "SELECT * FROM tbl_PbasicDetail where pno="" & a & """  
    Adodc1.Refresh  
    If Adodc1.Recordset.EOF Then  
        MsgBox "Patient detail not found!" & vbCrLf & "Please insert valid Patient Number."  
, vbExclamation, "Failed"  
    Else  
        MsgBox "Patient Number found in the database!", vbInformation, "Success"  
        display  
        framePatDetail.Visible = True  
    End If  
End Sub
```

```
Private Sub M_update_Click()
    On Error GoTo errmsg
    a = InputBox("Enter Patient Number which you want to search.")
    Adodc1.RecordSource = "SELECT * FROM tbl_PbasicDetail where pno = '" & a & "'"
    Adodc1.Refresh
    Set DataGrid1.DataSource = Adodc1.Recordset
    If Adodc1.Recordset.EOF Then
        MsgBox "Patient Number not found!" & vbCrLf & "Please insert valid Patient
Number.", vbExclamation, "Failed"
    Else
        Adodc1.Recordset.Fields(23) = Label30.Caption
        MsgBox "Record updated successfully!", vbOKOnly + vbInformation, "Update
successful!"
        Adodc1.Recordset.Update
        Set DataGrid1.DataSource = Adodc1.Recordset
    End If
errmsg:
End Sub
```

```
Private Sub Option1_Click()
    gen = "M"
    txtpgen.Text = gen
End Sub
```

```
Private Sub Option2_Click()
    gen = "F"
    txtpgen.Text = gen
End Sub
```

```
Private Sub Option3_Click()
    marital = "M"
    txtmms.Text = marital
End Sub
```

```
Private Sub Option4_Click()
    marital = "U"
    txtmms.Text = marital
End Sub
```

```
Private Sub cmdSAVE_Click()
```

```

fun
GENDER
ms
Frame2.Visible = False
If Option1.Enabled = True Then
    txtgen.Text = gen
End If
If Option2.Enabled = True Then
    txtgen.Text = gen
End If
If Option3.Enabled = True Then
    txtpms.Text = marital
End If
If Option4.Enabled = True Then
    txtpms.Text = marital
End If
If txtPno.Text <> "" And txtnm.Text <> "" And txtfnm.Text <> "" And txtDOB.Text <> ""
And txtage.Text <> "" And txtgen.Text <> "" And txtpms.Text <> "" And RTBresAdd.Text <>
"" And RTBperAdd.Text <> "" And txtstreet.Text <> "" And txtdistrict.Text <> "" And
txtstate.Text <> "" And txtcountry.Text <> "" And txtmobile.Text <> "" Then
    Adodc1.RecordSource = "SELECT * FROM tbl_PbasicDetail where pno=''" & txtPno.Text
& """
    Adodc1.Refresh
    If Adodc1.Recordset.EOF Then
        sql = "insert into tbl_PbasicDetail values('' + txtPno.Text + "','" + txtnm.Text + "','" +
        txtfnm.Text + "','" + txtDOB.Text + "','" + txtage.Text + "','" + txtgen.Text + "','" +
        txtpms.Text + "','" + comboBG.Text + "','" + comboRELIGION.Text + "','" + RTBresAdd.Text +
        "','" + RTBperAdd.Text + "','" + txtdoor.Text + "','" + txtstreet.Text + "','" + txttown.Text + "','" +
        + txtpo.Text + "','" + txttaluk.Text + "','" + txtdistrict.Text + "','" + txtstate.Text + "','" +
        txtcountry.Text + "','" + txtpincode.Text + "','" + txtmobile.Text + "','" + txtallergy.Text + "','" +
        impath.Text + "','" + Label27.Caption + "','" + txtrno.Text + "')"
        Set rs = conn.Execute(sql)
        Set DataGridView1.DataSource = Adodc1.Recordset
        Adodc1.RecordSource = "SELECT * FROM tbl_PbasicDetail where pno=''" &
        txtPno.Text & """
        Adodc1.Refresh
        Set DataGridView1.DataSource = Adodc1.Recordset
        framePatDetail.Visible = True
        MsgBox "record saved !!", vbInformation + vbOKOnly, "DOCTOR's Account"
        Unload Me
        Form15.Show

```

```
Else
    MsgBox "Fill all mandatory fields !!", vbCritical + vbOKOnly, "Warning"
End If
End If
End Sub

Private Sub DTPicker1_LostFocus()
    If DTPicker2.Value > DTPicker1.Value Then
        Dim age As Integer
        age = (DateValue(DTPicker2) - DateValue(DTPicker1.Value)) / 365
        txtage.Text = age
        txtpDOB.Text = DTPicker1.Value
    Else
        MsgBox "Wrong Input" & vbCrLf & "try again", vbCritical + vbOKOnly
    End If
End Sub

Private Sub Form_Load()
    m_update.Enabled = False
    Label30.Visible = False
    txtrno.Enabled = False
    txtPno.Enabled = False
    fun
    framePatDetail.Visible = True
    display
    Label27.Visible = False
    Label29.Visible = False
    txtpDOB.Visible = False
End Sub

Private Sub RTBperAdd_Change()
    If Len(Me.RTBperAdd.Text) > 100 Then
        MsgBox "Only 100 characters are allowed", vbExclamation + vbOKOnly, "Error"
        RTBperAdd.Text = ""
        RTBperAdd.SetFocus
    End If
End Sub

Private Sub RTBperAdd_KeyPress(KeyAscii As Integer)
    If KeyAscii = 13 Then
        txtdoor.SetFocus
    End If
End Sub
```

```
End If  
End Sub
```

```
Private Sub RTBperAdd_LostFocus()  
RTBperAdd.Text = StrConv(RTBperAdd.Text, vbProperCase)  
End Sub
```

```
Private Sub RTBresAdd_Change()  
If Len(Me.RTBresAdd.Text) > 100 Then  
    MsgBox "Only 100 characters are allowed", vbExclamation + vbOKOnly, "Error"  
    RTBresAdd.Text = ""  
    RTBresAdd.SetFocus  
End If  
End Sub
```

```
Private Sub RTBresAdd_KeyPress(KeyAscii As Integer)  
If KeyAscii = 13 Then  
    RTBperAdd.SetFocus  
End If  
End Sub
```

```
Private Sub RTBresAdd_LostFocus()  
RTBresAdd.Text = StrConv(RTBresAdd.Text, vbProperCase)  
End Sub
```

```
Private Sub Timer1_Timer()  
    DTPicker2.Value = Date  
End Sub
```

```
Private Sub txtage_KeyPress(KeyAscii As Integer)  
Select Case KeyAscii  
    Case 48 To 57, 8  
        'Let these key codes pass through  
    Case Else  
        'All others get trapped  
        MsgBox "Only numbers are allowed."  
        KeyAscii = 0  
End Select  
End Sub
```

```
Private Sub txtallergy_Change()
```

```
If Len(Me.txtallergy.Text) > 25 Then
    MsgBox "Only 25 characters are allowed", vbExclamation + vbOKOnly, "Error"
    txtallergy.Text = ""
    txtallergy.SetFocus
End If
End Sub
```

```
Private Sub txtallergy_KeyPress(KeyAscii As Integer)
Select Case KeyAscii
    Case 65 To 90, 8, 32
        'Let these key codes pass through
    Case 97 To 122, 8, 32
        'Let these key codes pass through
    Case 13
        cmdImage.SetFocus
    Case Else
        'All others get trapped
        MsgBox "Only Upper and Lower case alphabets are allowed."
        KeyAscii = 0
End Select
End Sub
```

```
Private Sub txtallergy_LostFocus()
txtallergy.Text = StrConv(txtallergy.Text, vbProperCase)
End Sub
```

```
Private Sub txtcountry_Change()
If Len(Me.txtcountry.Text) > 5 Then
    MsgBox "Only 5 characters are allowed", vbExclamation + vbOKOnly, "Error"
    txtcountry.Text = ""
    txtcountry.SetFocus
End If
End Sub
```

```
Private Sub txtcountry_KeyPress(KeyAscii As Integer)
Select Case KeyAscii
    Case 65 To 90, 8, 32
        'Let these key codes pass through
    Case 97 To 122, 8, 32
        'Let these key codes pass through
    Case 13
```

```
txtpincode.SetFocus
Case Else
    'All others get trapped
    MsgBox "Only Upper and Lower case alphabets are allowed."
    KeyAscii = 0
End Select
End Sub

Private Sub txtdistrict_Change()
If Len(Me.txttaluk.Text) > 20 Then
    MsgBox "Only 20 characters are allowed", vbExclamation + vbOKOnly, "Error"
    txtdistrict.Text = ""
    txtdistrict.SetFocus
End If
End Sub

Private Sub txtdistrict_KeyPress(KeyAscii As Integer)
Select Case KeyAscii
    Case 65 To 90, 8, 32
        'Let these key codes pass through
    Case 97 To 122, 8, 32
        'Let these key codes pass through
    Case 13
        txtstate.SetFocus
    Case Else
        'All others get trapped
        MsgBox "Only Upper and Lower case alphabets are allowed."
        KeyAscii = 0
End Select
End Sub

Private Sub txtdistrict_LostFocus()
    txtdistrict.Text = StrConv(txtdistrict.Text, vbProperCase)
End Sub

Private Sub txtdoor_KeyPress(KeyAscii As Integer)
Select Case KeyAscii
    Case 48 To 57, 8
        'Let these key codes pass through
    Case 13
        txtstreet.SetFocus
End Sub
```

Case Else

```
'All others get trapped
MsgBox "Only numbers are allowed."
KeyAscii = 0
End Select
End Sub
```

```
Private Sub txtfnm_Change()
```

```
If Len(Me.txtfnm.Text) > 20 Then
    MsgBox "Only 20 characters are allowed", vbExclamation + vbOKOnly, "Error"
    txtfnm.Text = ""
    txtfnm.SetFocus
End If
End Sub
```

```
Private Sub txtfnm_KeyPress(KeyAscii As Integer)
```

```
Select Case KeyAscii
    Case 65 To 90, 8, 32
        'Let these key codes pass through
    Case 97 To 122, 8, 32
        'Let these key codes pass through
    Case 13
        '
```

Case Else

```
'All others get trapped
MsgBox "Only Upper and Lower case alphabets are allowed."
KeyAscii = 0
End Select
End Sub
```

```
Private Sub txtfnm_LostFocus()
```

```
txtfnm.Text = StrConv(txtfnm.Text, vbProperCase)
End Sub
```

```
Private Sub txtMobile_Change()
```

```
Dim i, text_count As Integer
If Len(Me.txtmobile.Text) > 0 Then
    For i = 1 To Len(Me.txtmobile.Text)
        If IsNumeric(Mid(Me.txtmobile.Text, i, 1)) = False Then
            Me.txtmobile.Text = Replace(Me.txtmobile.Text, Mid(Me.txtmobile.Text, i, 1), "")
            text_count = text_count + 1
        End If
    Next i
End Sub
```

```
End If
Next i
If text_count > 0 Then
    MsgBox "Only numbers are allowed", vbExclamation + vbOKOnly, "Error"
    txtmobile.Text = ""
    Exit Sub
End If
End If
End Sub
```

```
Private Sub txtMobile_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    txtallergy.SetFocus
End If
End Sub
```

```
Private Sub txtMobile_LostFocus()
If Len(Me.txtmobile.Text) <> 10 Then
    MsgBox "Only 10 digits are allowed.", vbExclamation + vbOKOnly, "Error"
    txtmobile.Text = ""
    txtmobile.SetFocus
    Exit Sub
End If
If Len(Me.txtmobile.Text) = 10 Then
    Dim b As Integer
    b = txtmobile.Text Like "[6789]#####"
    If (Not b) Then
        MsgBox "invalid mobile number.", vbExclamation + vbOKOnly, "Error"
        txtmobile.Text = ""
        txtmobile.SetFocus
    End If
End If
End Sub
```

```
Private Sub txtnm_Change()
If Len(Me.txtnm.Text) > 20 Then
    MsgBox "Only 20 characters are allowed", vbExclamation + vbOKOnly, "Error"
    txtnm.Text = ""
    txtnm.SetFocus
End If
End Sub
```

```
Private Sub txtnm_KeyPress(KeyAscii As Integer)
Select Case KeyAscii
Case 65 To 90, 8, 32
    'Let these key codes pass through
Case 97 To 122, 8, 32
    'Let these key codes pass through
Case 13
    txtfnm.SetFocus
Case Else
    'All others get trapped
    MsgBox "Only Upper and Lower case alphabets are allowed."
    KeyAscii = 0
End Select
End Sub
```

```
Private Sub txtnm_LostFocus()
txtnm.Text = StrConv(txtnm.Text, vbProperCase)
End Sub
```

```
Private Sub txtpincode_Change()
If Len(Me.txtpincode.Text) > 10 Then
    MsgBox "Only 10 digitss are allowed", vbExclamation + vbOKOnly, "Error"
    txtpincode.Text = ""
    txtpincode.SetFocus
End If
End Sub
```

```
Private Sub txtpincode_KeyPress(KeyAscii As Integer)
If (KeyAscii > 47 And KeyAscii < 58) Or KeyAscii = 8 Or KeyAscii = 13 Then
    KeyAscii = KeyAscii
Else
    KeyAscii = 0
    MsgBox "invalid key pressed"
End If
If KeyAscii = 13 Then
    txtmobile.SetFocus
End If
End Sub
```

```
Private Sub txtpo_Change()
```

```
If Len(Me.txtstreet.Text) > 20 Then
    MsgBox "Only 20 characters are allowed", vbExclamation + vbOKOnly, "Error"
    txtstreet.Text = ""
    txtstreet.SetFocus
End If
End Sub
```

```
Private Sub txtpo_KeyPress(KeyAscii As Integer)
Select Case KeyAscii
    Case 65 To 90, 8, 32
        'Let these key codes pass through
    Case 97 To 122, 8, 32
        'Let these key codes pass through
    Case 13
        txttaluk.SetFocus
    Case Else
        'All others get trapped
        MsgBox "Only Upper and Lower case alphabets are allowed."
        KeyAscii = 0
End Select
End Sub
```

```
Private Sub txtSearch_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    cmdSearch.SetFocus
End If
End Sub
```

```
Private Sub txtpo_LostFocus()
txtpo.Text = StrConv(txtpo.Text, vbProperCase)
End Sub
```

```
Private Sub txtstate_Change()
If Len(Me.txtstate.Text) > 20 Then
    MsgBox "Only 20 characters are allowed", vbExclamation + vbOKOnly, "Error"
    txtstate.Text = ""
    txtstate.SetFocus
End If
End Sub
```

```
Private Sub txtstate_KeyPress(KeyAscii As Integer)
```

Select Case KeyAscii

Case 65 To 90, 8, 32

'Let these key codes pass through

Case 97 To 122, 8, 32

'Let these key codes pass through

Case 13

'

Case Else

'All others get trapped

MsgBox "Only Upper and Lower case alphabets are allowed."

KeyAscii = 0

End Select

End Sub

Private Sub txtstate_LostFocus()

txtstate.Text = StrConv(txtstate.Text, vbProperCase)

End Sub

Private Sub txtstreet_Change()

If Len(Me.txtstreet.Text) > 20 Then

MsgBox "Only 20 characters are allowed", vbExclamation + vbOKOnly, "Error"

txtstreet.Text = ""

txtstreet.SetFocus

End If

End Sub

Private Sub txtstreet_KeyPress(KeyAscii As Integer)

Select Case KeyAscii

Case 65 To 90, 8, 32

'Let these key codes pass through

Case 97 To 122, 8, 32

'Let these key codes pass through

Case 13

txttown.SetFocus

Case Else

'All others get trapped

MsgBox "Only Upper and Lower case alphabets are allowed."

KeyAscii = 0

End Select

End Sub

```
Private Sub txtstreet_LostFocus()
txtstreet.Text = StrConv(txtstreet.Text, vbProperCase)
End Sub

Private Sub txttaluk_Change()
If Len(Me.txttaluk.Text) > 20 Then
    MsgBox "Only 20 characters are allowed", vbExclamation + vbOKOnly, "Error"
    txttaluk.Text = ""
    txttaluk.SetFocus
End If
End Sub

Public Function ms()
If txtpms.Text = "S" Then
    Option3.Value = True
End If
If txtpms.Text = "U" Then
    Option4.Value = True
End If
End Function

Public Function GENDER()
If txtpgen.Text = "M" Then
    Option1.Value = True
End If
If txtpgen.Text = "F" Then
    Option2.Value = True
End If
End Function

Private Sub cmdDELETE_Click()
On Error GoTo errormsg
Frame2.Visible = False
Frame3.Visible = False
fun
answer = MsgBox("Are you sure you want to delete this record?", vbQuestion + vbYesNo,
"Warning!")
If answer = vbYes Then
    Adodc1.Recordset.Delete
    MsgBox "Record deleted successfully.", vbInformation + vbOKOnly, "Confirmation"
    Adodc1.Recordset.Update
End If
End Sub
```

```
Adodc1.Refresh
Adodc1.Recordset.MoveLast
display
framePatDetail.Visible = True
End If
errmsg:
End Sub
```

```
Private Sub cmdMoveFirst_Click()
On Error GoTo errmsg
    Adodc1.Recordset.MoveFirst
    DTPicker1.Value = txtDOB.Text
    display
errmsg:
End Sub
```

```
Private Sub cmdMoveLast_Click()
    Adodc1.Recordset.MoveLast
    DTPicker1.Value = txtDOB.Text
    display
End Sub
```

```
Private Sub cmdMoveNext_Click()
On Error GoTo errmsg
    Adodc1.Recordset.MoveNext
    DTPicker1.Value = txtDOB.Text
    display
    If Adodc1.Recordset.EOF = True Then
        Adodc1.Recordset.MoveLast
errmsg:
    MsgBox "The Next record is not available", vbCritical + vbOKOnly, "*Warning*"
    End If
End Sub
```

```
Private Sub cmdMovePrevious_Click()
On Error GoTo errmsg
    Adodc1.Recordset.MovePrevious
    DTPicker1.Value = txtDOB.Text
    display
    If Adodc1.Recordset.BOF = True Then
        Adodc1.Recordset.MoveFirst
```

errmsg:

```
MsgBox "The Previous record is not available", vbCritical + vbOKOnly, "*Warning*"  
End If  
End Sub
```

Private Sub txttaluk_KeyPress(KeyAscii As Integer)

```
Select Case KeyAscii  
Case 65 To 90, 8, 32  
    'Let these key codes pass through  
Case 97 To 122, 8, 32  
    'Let these key codes pass through  
Case 13  
    txtdistrict.SetFocus  
Case Else  
    'All others get trapped  
    MsgBox "Only Upper and Lower case alphabets are allowed."  
    KeyAscii = 0  
End Select  
End Sub
```

Private Sub txttaluk_LostFocus()

```
txttaluk.Text = StrConv(txttaluk.Text, vbProperCase)  
End Sub
```

Private Sub txttown_Change()

```
If Len(Me.txttown.Text) > 20 Then  
    MsgBox "Only 20 characters are allowed", vbExclamation + vbOKOnly, "Error"  
    txttown.Text = ""  
    txttown.SetFocus  
End If  
End Sub
```

Private Sub txttown_KeyPress(KeyAscii As Integer)

```
Select Case KeyAscii  
Case 65 To 90, 8, 32  
    'Let these key codes pass through  
Case 97 To 122, 8, 32  
    'Let these key codes pass through  
Case 13  
    txtpo.SetFocus  
Case Else
```

'All others get trapped

MsgBox "Only Upper and Lower case alphabets are allowed."

KeyAscii = 0

End Select

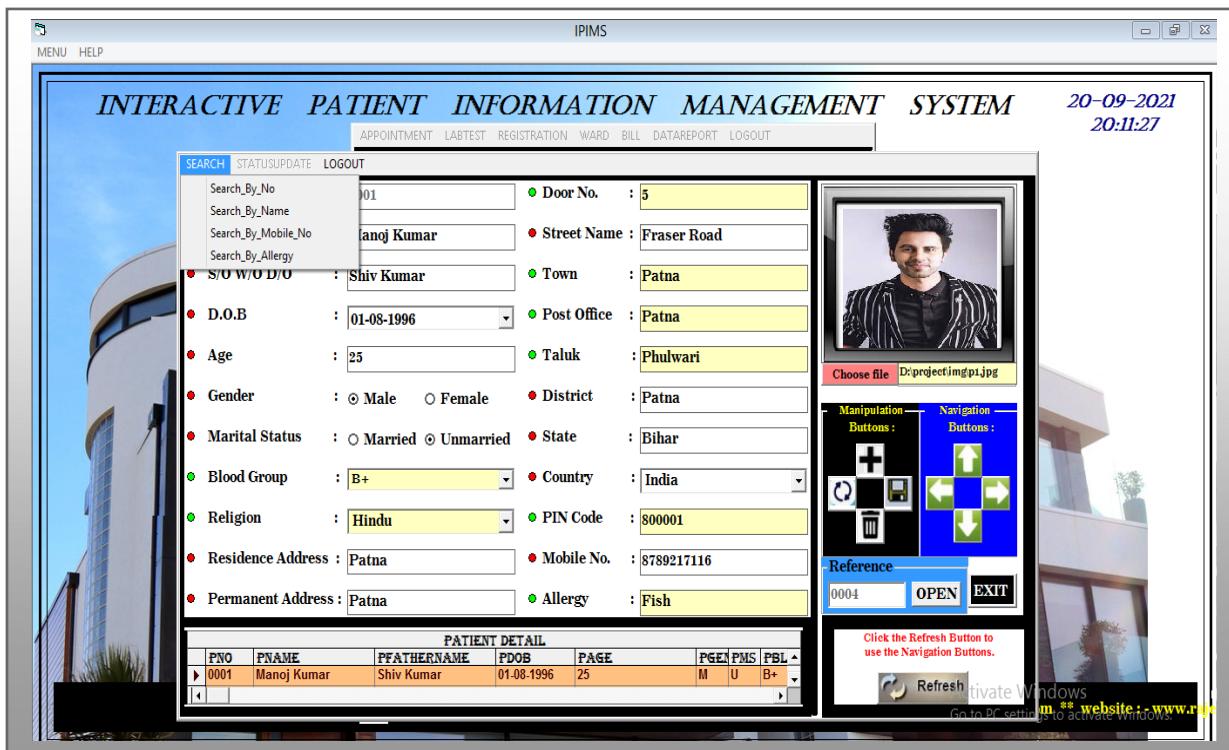
End Sub

Private Sub txttown_LostFocus()

txttown.Text = StrConv(txttown.Text, vbProperCase)

End Sub

b) Screen Shot:



Rule1: Only Receptionist department's staff can save, update, delete and search (by Patient number, Patient name, patient mobile no and patient allergy) data in this form. If Patient has reference then to save reference data click “OPEN” button. After that Reference form will be open where staff can add reference detail. As soon as the reference detail is saved, its reference number will display in the reference box of the patient form. After that the patient's data will be saved.

Rule2: The field in which the alphabet is to be input where user can only input alphabets. Error message will be displayed if users go against the rule. The same rule will apply in the number field as well. The length of all the fields is also fixed, which is displayed when the cursor is moved to that field.

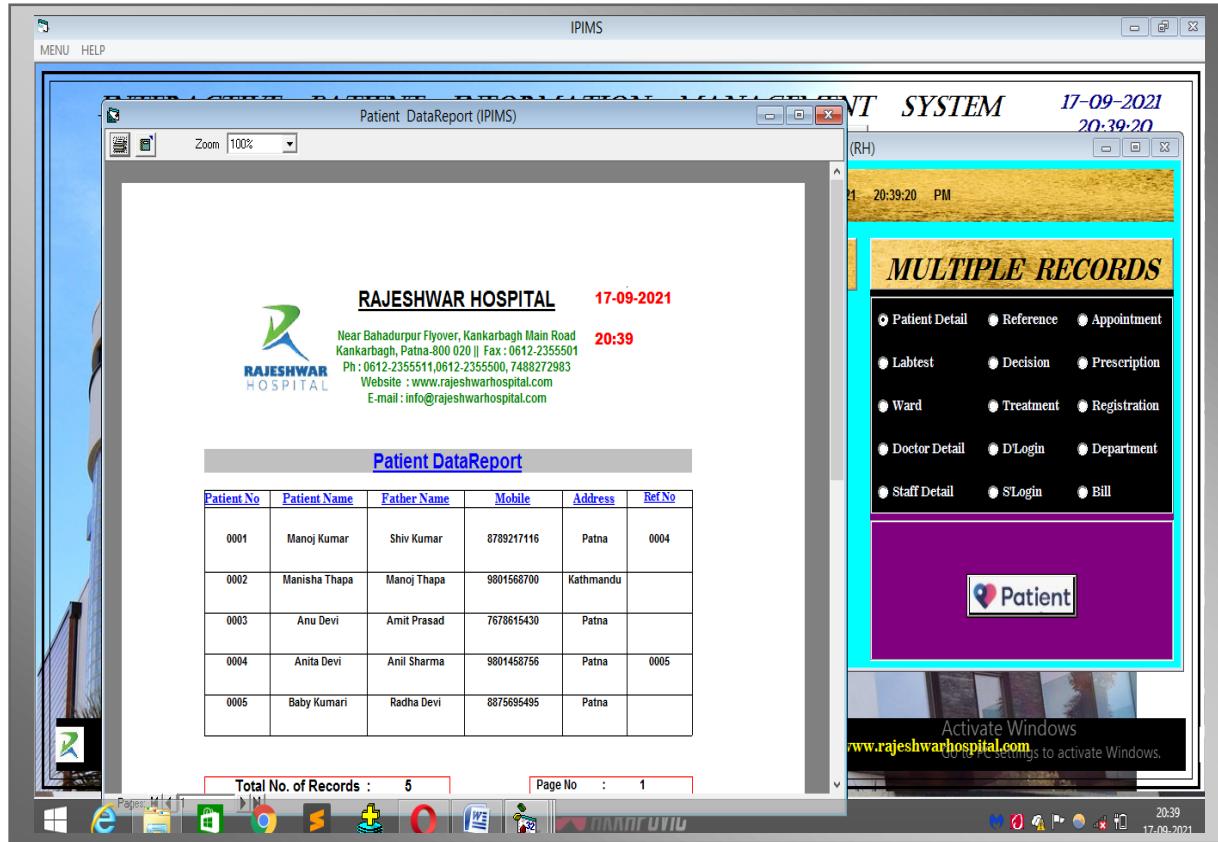
Rule3: There is no need to calculate age because as soon as DOB inputs and lost focus of that field then age will be calculated automatically.

Rule4: User can add, save, update, delete and search data easily. Also user can use navigation buttons.

Rule5: There is a refresh button to clear any errors like if navigation button is not showing then just click on the refresh button and navigation button will show.

Rule6: User can insert only Indian mobile number which is start with 6, 7, 8 and 9.

C) Patient's Data Report:



10. Reference Detail Form

a) Code:

```

Private Sub cmdAdd_Click()
    Frame1.Visible = False
    cleaning
    fun
    Set rs = New ADODB.Recordset
    rs.Open "select * from tbl_Reference order by refno", conn, 3, 3
    Dim num1 As String * 4
    Dim num2 As Long

```

With rs

```

If rs.BOF Then
    num1 = "0001"
    txtrno.Text = num1
Else
    rs.MoveLast
    num2 = Right(!refno, 3) + 1
    num1 = Right("000" & num2, 4)
End If
txtrno.Text = num1
End With
txtrnm.SetFocus
End Sub

```

Private Sub cmdSAVE_Click()

fun

```

If txtrno.Text <> "" And txtrnm.Text <> "" And txtrgen.Text <> "" And txtradd.Text <> "" And
txtrmobile.Text <> "" And txtrpost.Text <> "" Then
    Adodc1.RecordSource = "SELECT * FROM tbl_Reference where refno="" & txtrno.Text & """
    Adodc1.Refresh
    If Adodc1.Recordset.EOF Then
        sql = "insert into tbl_Reference values("" + txtrno.Text + "", "" + txtrnm.Text + "", "" +
        txtrgen.Text + "", "" + txtradd.Text + "", "" + txtrmobile.Text + "", "" + txtrpost.Text + "")"
        Set rs = conn.Execute(sql)
        Set DataGrid1.DataSource = Adodc1.Recordset
        Adodc1.RecordSource = "SELECT * FROM tbl_Reference where refno="" & txtrno.Text &
        """
        Adodc1.Refresh
        Set DataGrid1.DataSource = Adodc1.Recordset
        Form8.txtrno.Text = Me.txtrno.Text
        MsgBox "record saved !!", vbInformation + vbOKOnly, "DOCTOR's Account"
        cleaning
        Frame1.Visible = True
        txtrno.Text = ""
        Unload Me
    Else
        MsgBox "Please fill all mandatory fields !!", vbCritical + vbOKOnly, "Warning"
    End If
End If
End Sub

```

```
Private Sub Form_Load()
    Frame1.Visible = False
    txtrno.Enabled = False
    cleaning
    txtrno.Text = ""
End Sub
```

```
Public Function cleaning()
    txtrnm.Text = ""
    txtradd.Text = ""
    txtrmobile.Text = ""
    txtrpost.Text = ""
    Option1.Value = False
    Option2.Value = False
End Function
```

```
Private Sub M_logout_Click()
    Me.Hide
    HOME
    MDIForm1.M_MENU.Enabled = True
End Sub
```

```
Private Sub Option1_Click()
    If Option1.Value = True Then
        txtrgen.Text = Option1.Caption
    End If
End Sub
```

```
Private Sub Option2_Click()
    If Option2.Value = True Then
        txtrgen.Text = Option2.Caption
    End If
End Sub
```

```
Private Sub txtradd_Change()
    If Len(Me.txtradd.Text) > 100 Then
        MsgBox "Only 100 characters are allowed", vbExclamation + vbOKOnly, "Error"
        txtradd.Text = ""
        txtradd.SetFocus
    End If
End Sub
```

```
Private Sub txtradd_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    txtrmobile.SetFocus
End If
End Sub

Private Sub txtradd_LostFocus()
    txtradd.Text = StrConv(txtradd.Text, vbProperCase)
End Sub

Private Sub txtrmobile_Change()
    Dim i, text_count As Integer
    If Len(Me.txtrmobile.Text) > 0 Then
        For i = 1 To Len(Me.txtrmobile.Text)
            If IsNumeric(Mid(Me.txtrmobile.Text, i, 1)) = False Then
                Me.txtrmobile.Text = Replace(Me.txtrmobile.Text, Mid(Me.txtrmobile.Text, i, 1), "")
                text_count = text_count + 1
            End If
        Next i
        If text_count > 0 Then
            MsgBox "Only numbers are allowed", vbExclamation + vbOKOnly, "Error"
            txtrmobile.Text = ""
            Exit Sub
        End If
    End If
End Sub

Private Sub txtrmobile_LostFocus()
    If Len(Me.txtrmobile.Text) <> 10 Then
        MsgBox "Only 10 digits are allowed.", vbExclamation + vbOKOnly, "Error"
        txtrmobile.Text = ""
        txtrmobile.SetFocus
        Exit Sub
    End If
    If Len(Me.txtrmobile.Text) = 10 Then
        Dim b As Integer
        b = txtrmobile.Text Like "[6789]#####"
        If (Not b) Then
            MsgBox "invalid mobile number.", vbExclamation + vbOKOnly, "Error"
            txtrmobile.Text = ""
        End If
    End If
End Sub
```

```
txtrmobile.SetFocus
End If
End If
End Sub
```

```
Private Sub txtrmobile_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    txtrpost.SetFocus
End If
End Sub
```

```
Private Sub txtrnm_KeyPress(KeyAscii As Integer)
Select Case KeyAscii
    Case 65 To 90, 8, 32
        'Let these key codes pass through
    Case 97 To 122, 8, 32
        'Let these key codes pass through
    Case 13
        'Let these key codes pass through
    Case Else
        'All others get trapped
        MsgBox "Only Upper and Lower case alphabets are allowed."
        KeyAscii = 0
End Select
End Sub
```

```
Private Sub txtrnm_Change()
If Len(Me.txtrnm.Text) > 20 Then
    MsgBox "Only 20 characters are allowed", vbExclamation + vbOKOnly, "Error"
    txtrnm.Text = ""
    txtrnm.SetFocus
End If
End Sub
```

```
Private Sub txtrnm_LostFocus()
txtrnm.Text = StrConv(txtrnm.Text, vbProperCase)
End Sub
```

```
Private Sub txtrpost_Change()
If Len(Me.txtrpost.Text) > 30 Then
```

```

MsgBox "Only 30 characters are allowed", vbExclamation + vbOKOnly, "Error"
txtrpost.Text = ""
txtrpost.SetFocus
End If
End Sub

```

```

Private Sub txtrpost_KeyPress(KeyAscii As Integer)
Select Case KeyAscii
Case 65 To 90, 8, 32
    'Let these key codes pass through
Case 97 To 122, 8, 32
    'Let these key codes pass through
Case 13
    cmdSAVE.SetFocus
Case Else
    'All others get trapped
    MsgBox "Only Upper and Lower case alphabets are allowed."
    KeyAscii = 0
End Select
End Sub

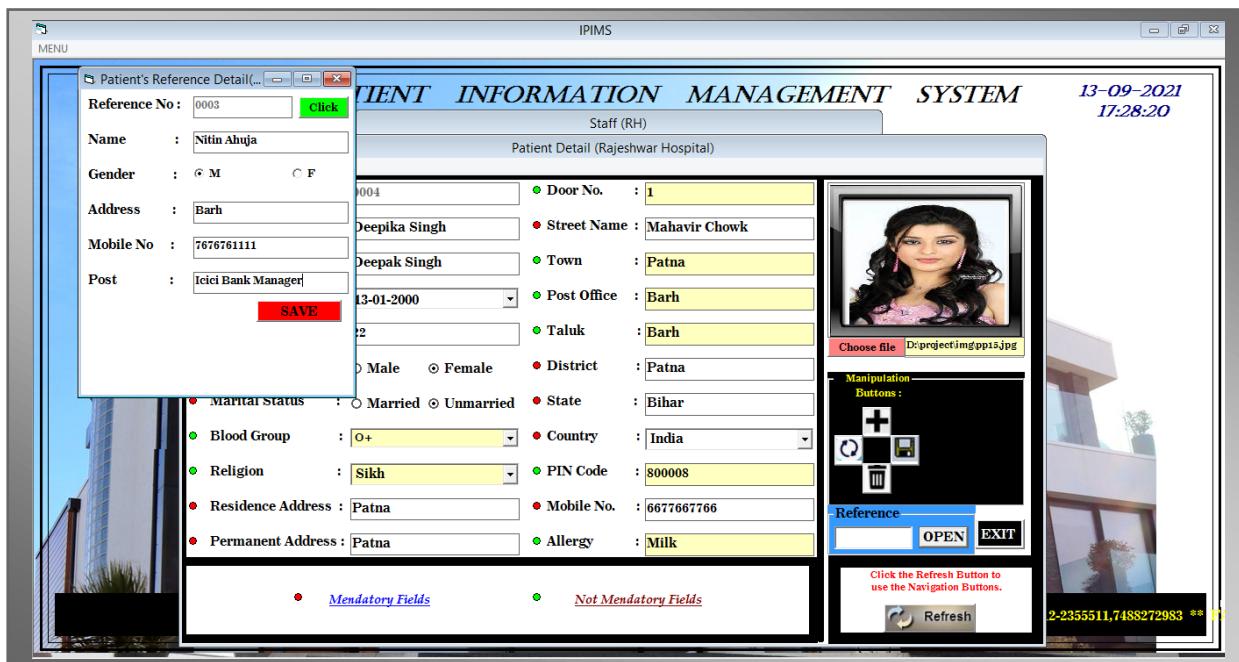
```

```

Private Sub txtrpost_LostFocus()
    txtrpost.Text = StrConv(txtrpost.Text, vbProperCase)
End Sub

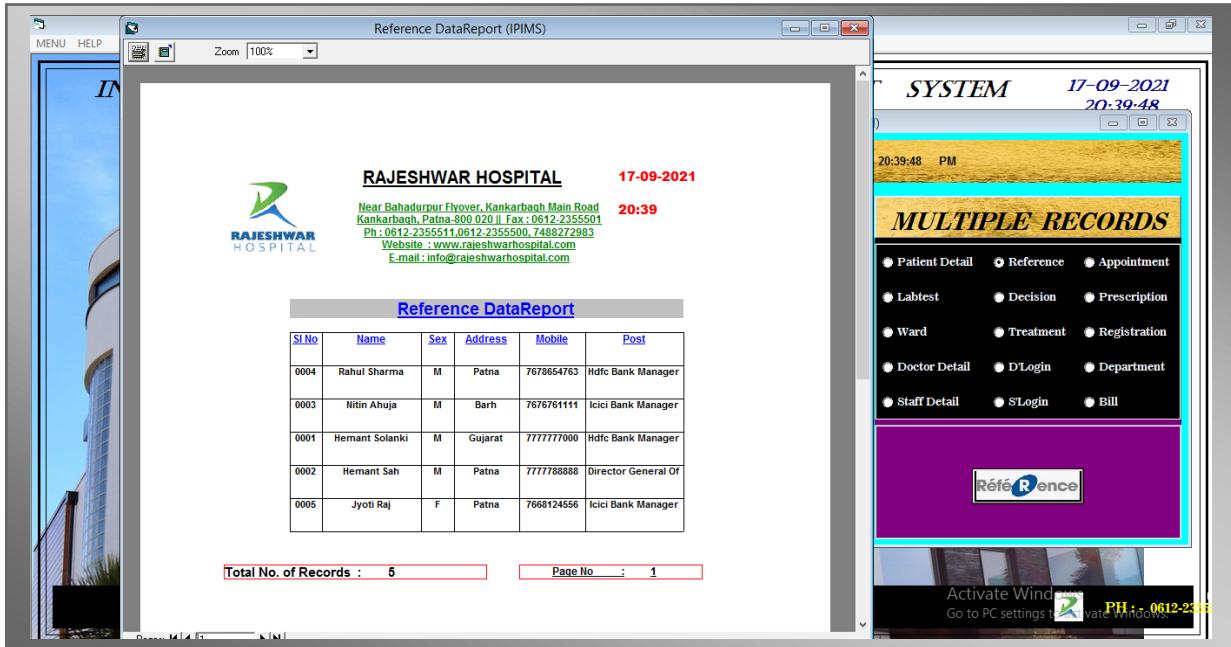
```

b) Screen Shot:



Submitted By: Shivani Kumari (18166)

C) Data Report of Reference:



11. Appointment Detail Form

a) Code:

```

Private Sub A_LOGOUT_Click()
    Me.Hide
    HOME
    MDIForm1.M_MENU.Enabled = True
End Sub

Public Function display()
    Set DataGrid1.DataSource = Adodc1.Recordset
    On Error GoTo errormsg
    txtappno.Text = Adodc1.Recordset.Fields(0)
    txtAdate.Text = Adodc1.Recordset.Fields(1)
    txtDept.Text = Adodc1.Recordset.Fields(2)
    txtDEPTnm.Text = Adodc1.Recordset.Fields(3)
    txtDrName.Text = Adodc1.Recordset.Fields(4)
    txtPno.Text = Adodc1.Recordset.Fields(7)
    Label6.Caption = Adodc1.Recordset.Fields(9)
    txtDisease.Text = Adodc1.Recordset.Fields(8)
    txtAppFixBy.Text = Adodc1.Recordset.Fields(10)
    If Label6.Caption = "10:00:00 AM" Then

```

```
Option1.Value = True
End If
If Label6.Caption = "10:30:00 AM" Then
    Option2.Value = True
End If
If Label6.Caption = "11:00:00 AM" Then
    Option3.Value = True
End If
If Label6.Caption = "11:30:00 AM" Then
    Option4.Value = True
End If
If Label6.Caption = "12:00:30 PM" Then
    Option5.Value = True
End If
If Label6.Caption = "12:30:00 PM" Then
    Option6.Value = True
End If
If Label6.Caption = "01:00:30 PM" Then
    Option7.Value = True
End If
If Label6.Caption = "01:30:00 PM" Then
    Option8.Value = True
End If
If Label6.Caption = "02:00:30 PM" Then
    Option9.Value = True
End If
If Label6.Caption = "02:30:00 PM" Then
    Option10.Value = True
End If
If Label6.Caption = "03:00:30 PM" Then
    Option11.Value = True
End If
If Label6.Caption = "03:30:00 PM" Then
    Option12.Value = True
End If
errmsg:
End Function
```

```
Public Function Clear()
    txtDrName.Text = ""
    txtAdate.Text = ""
```

```
txtPno.Text = ""  
txtDisease.Text = ""  
End Function  
  
Public Function optClean()  
    Option1.Value = False  
    Option2.Value = False  
    Option3.Value = False  
    Option4.Value = False  
    Option5.Value = False  
    Option6.Value = False  
    Option7.Value = False  
    Option8.Value = False  
    Option9.Value = False  
    Option10.Value = False  
    Option11.Value = False  
    Option12.Value = False  
End Function
```

```
Private Sub cmdAdd_Click()  
    txtStatus.Visible = False  
    optClean  
    cmdSP.Visible = True  
    FrameAppointment.Visible = False  
    Command3.Visible = True  
    txtDrName.Visible = True  
    txtStatus.Visible = True  
    txtFee.Text = "500"  
    lblrefno.Caption = ""  
    Clear  
    fun  
    Set rs = New ADODB.Recordset  
    rs.Open "select * from tbl_Appointments ORDER BY appno", conn, 3, 3  
    Dim num1 As String * 4  
    Dim num2 As Long  
    With rs  
        If rs.BOF Then  
            num1 = "0001"  
            txtappno.Text = num1  
        Else  
            rs.MoveLast
```

```

num2 = Right(!appno, 3) + 1
num1 = Right("000" & num2, 4)
End If
txtappno.Text = num1
End With
End Sub

Private Sub cmdDELETE_Click()
On Error GoTo errmsg
fun
    a = InputBox("Enter Appointment Number which you want to search.")
Adodc1.RecordSource = "SELECT * FROM tbl_Appointments where appno = '" & a & "'"
Adodc1.Refresh
Set DataGrid1.DataSource = Adodc1.Recordset
If Adodc1.Recordset.EOF Then
    MsgBox "Appointment Number not found!" & vbCrLf & "Please insert valid
Appointment Number.", vbExclamation, "Failed"
Else
    answer = MsgBox("Are you sure you want to delete this record?", vbQuestion +
vbYesNo, "Warning!")
    If answer = vbYes Then
        Adodc1.Recordset.Delete
        MsgBox "Record deleted successfully.", vbInformation + vbOKOnly, "Confirmation"
        Adodc1.Recordset.Update
        Adodc1.Recordset.MovePrevious
    End If
End If
errmsg:
End Sub

Private Sub cmdSAVE_Click()
Frame3.Visible = False
fun
    If txtappno.Text <> "" And txtAdate.Text <> "" And txtdept.Text <> "" And
txtDrName.Text <> "" And txtPno.Text <> "" And txtDisease.Text <> "" And Label6.Caption
<> "" And txtAppFixBy.Text <> "" Then
        sql = "insert into tbl_Appointments values('" + txtappno.Text + "','" + txtAdate.Text +
"',','" + txtdept.Text + "','" + txtDEPTnm.Text + "','" + txtDrName.Text + "','" +
comboServicenm.Text + "','" + txtFee.Text + "','" + txtPno.Text + "','" + txtDisease.Text + "','" +
Label6.Caption + "','" + txtAppFixBy.Text + "','" + lblrefno.Caption + "','" + txtStatus.Text + "')"
        Set rs = conn.Execute(sql)
    End If
End Sub

```

```

Adodc1.RecordSource = "SELECT * FROM tbl_Appointments where appno="" &
txtappno.Text & """
Adodc1.Refresh
FrameAppointment.Visible = True
Frame6.Visible = False
MsgBox "record saved !!", vbInformation + vbOKOnly
Frame1.Visible = False
Frame3.Visible = False
Adodc1.Refresh
Adodc1.RecordSource = "SELECT * FROM tbl_Appointments where appno = "" & a & """
Set DataGridView1.DataSource = Adodc1.Recordset
Else
    MsgBox "Please fill all mandatory fields !!", vbCritical + vbOKOnly, "Warning"
End If
End Sub

Private Sub cmdSP_Click()
On Error GoTo errormsg
Adodc5.RecordSource = "SELECT * FROM tbl_PbasicDetail where pno="" & txtPno.Text & ""
And status like "%N%""
Adodc5.Refresh
If Adodc5.Recordset.EOF Then
    MsgBox " Patient not found!", vbExclamation, "Failed"
    txtPno.Text = Empty
    txtPno.SetFocus
    Adodc5.Refresh
Else
    Frame6.Visible = True
    Frame3.Visible = False
    Frame1.Visible = False
    lblRefno.Caption = Adodc5.Recordset.Fields(24)
    MsgBox "Patient found in the database!", vbInformation, "Success"
    txtDisease.SetFocus
End If
errormsg:
End Sub

Public Function cmd()
Dim L As Integer
Adodc3.Refresh

```

```

If Adodc3.Recordset.EOF Then
    MsgBox "No Doctor's Available. ", vbExclamation, "Failed"
Else
    lblMessage.Caption = DataGrid3.VisibleRows
    L = lblMessage.Caption
    MsgBox "There are " & Val(L) & " Doctors in this Department... ", vbInformation,
"Rajeshwar Hospital"
    Frame1.Visible = True
    Frame6.Visible = False
    Frame3.Visible = False
    FrameAppointment.Visible = False
End If
End Function

```

```

Private Sub Command1_Click()
a = InputBox("Enter Appointment Number which you want to search.")
Adodc1.RecordSource = "SELECT * FROM tbl_Appointments where appno=''' & a & '''"
    Adodc1.Refresh
If Adodc1.Recordset.EOF Then
    MsgBox "Appointment Number not found!" & vbCrLf & "Please insert valid
Appointment Number. ", vbExclamation, "Failed"
Else
    MsgBox "Appointment Number found in the database!", vbInformation, "Success"
    display
End If
End Sub

```

```

Private Sub Command12_Click()
Dim L As Integer
Adodc3.RecordSource = "SELECT d.deptid,a.dname,a.servicenm FROM
tbl_DepartmentDetail d,tbl_DrDetail a where d.deptid = a.deptid and d.deptid=''' &
txtdept.Text & '''"
    Adodc3.Refresh
If Adodc3.Recordset.EOF Then
    MsgBox "No Doctor's Available. ", vbExclamation, "Failed"
Else
    lblMessage.Caption = DataGrid3.VisibleRows
    L = lblMessage.Caption
    MsgBox "There are " & Val(L) & " Doctors in this Department... ", vbInformation,
"Rajeshwar Hospital"
    Frame1.Visible = True

```

```
Frame6.Visible = False
Frame3.Visible = False
FrameAppointment.Visible = False
End If
End Sub

Private Sub Command3_Click()
    a = InputBox("Enter DoctorName which you want to search.")
    Adodc4.RecordSource = "select doctorname,adate,st1,pno,status from tbl_Appointments
where doctorname=''' & a & ''' AND status like '%A%'"
    Adodc4.Refresh
    If Adodc4.Recordset.EOF Then
        MsgBox "No Appointments. ", vbInformation, "Status"
    Else
        Frame3.Visible = True
        Frame6.Visible = False
        Frame1.Visible = False
        FrameAppointment.Visible = False
    End If
End Sub

Private Sub DTPicker3_LostFocus()
    txtAdate.Text = DTPicker3.Value
End Sub

Private Sub Form_Load()
    txtAppFixBy.Enabled = False
    optClean
    Clear
    txtDEPTnm.Text = "OPD"
    txtDEPTnm.Enabled = False
    txtdept.Text = "RH0000"
    txtdept.Enabled = False
    Label8.Visible = False
    comboServicenm.Visible = False
    txtappno.Enabled = False
    M_Status.Enabled = False
    comboServicenm.Enabled = False
    txtStatus.Visible = False
    txtFee.Visible = False
    Frame1.Visible = False

```

```
Frame3.Visible = False
Frame6.Visible = False
txtDEPTnm.Enabled = False
FrameAppointment.Visible = False
Label6.Visible = False
Label13.Visible = False
Label12.Visible = False
txtFee.Text = "500"
txtStatus.Text = "Active"
txtStatus.Visible = False
DTPicker3.Value = Date
lblMessage.Visible = False
Text1.Visible = False
lblrefno.Visible = False
End Sub
```

```
Private Sub M_Status_Click()
    a = InputBox("Enter Appointment Number which you want to search.")
    Adodc1.RecordSource = "SELECT * FROM tbl_Appointments where appno = '" & a & "'"
    Adodc1.Refresh
    Set DataGridView1.DataSource = Adodc1.Recordset
    If Adodc1.Recordset.EOF Then
        MsgBox "Appointment Number not found!" & vbCrLf & "Please insert valid
Appointment Number. ", vbExclamation, "Failed"
    Else
        Adodc1.Recordset.Fields(12) = Label10.Caption
        MsgBox "Record updated successfully!", vbOKOnly + vbInformation, "Update
successful!"
        Adodc1.Recordset.Update
        Set DataGridView1.DataSource = Adodc1.Recordset
    End If
End Sub
```

```
Private Sub Option1_Click()
    Label6.Caption = "10:00:00 AM"
End Sub
```

```
Private Sub Option10_Click()
    Label6.Caption = "02:30:00 PM"
End Sub
```

```
Private Sub Option11_Click()  
    Label6.Caption = "03:00:00 PM"  
End Sub
```

```
Private Sub Option12_Click()  
    Label6.Caption = "03:30:00 PM"  
End Sub
```

```
Private Sub Option2_Click()  
    Label6.Caption = "10:30:00 AM"  
End Sub
```

```
Private Sub Option3_Click()  
    Label6.Caption = "11:00:00 AM"  
End Sub
```

```
Private Sub Option4_Click()  
    Label6.Caption = "11:30:00 AM"  
End Sub
```

```
Private Sub Option5_Click()  
    Label6.Caption = "12:00:00 PM"  
End Sub
```

```
Private Sub Option6_Click()  
    Label6.Caption = "12:30:00 PM"  
End Sub
```

```
Private Sub Option7_Click()  
    Label6.Caption = "01:00:00 PM"  
End Sub
```

```
Private Sub Option8_Click()  
    Label6.Caption = "01:30:00 PM"  
End Sub
```

```
Private Sub Option9_Click()  
    Label6.Caption = "02:00:00 PM"  
End Sub
```

```
Private Sub txtDisease_KeyPress(KeyAscii As Integer)
```

```
If KeyAscii = 13 Then
    txtPno.SetFocus
    Frame1.Visible = False
End If
End Sub
```

```
Private Sub txtDisease_LostFocus()
    txtDisease.Text = StrConv(txtDisease.Text, vbProperCase)
End Sub
```

```
Private Sub txtDrName_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    txtDisease.SetFocus
End If
End Sub
```

```
Private Sub txtPno_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    cmdSP.SetFocus
End If
End Sub
```

b) Screen Shot:

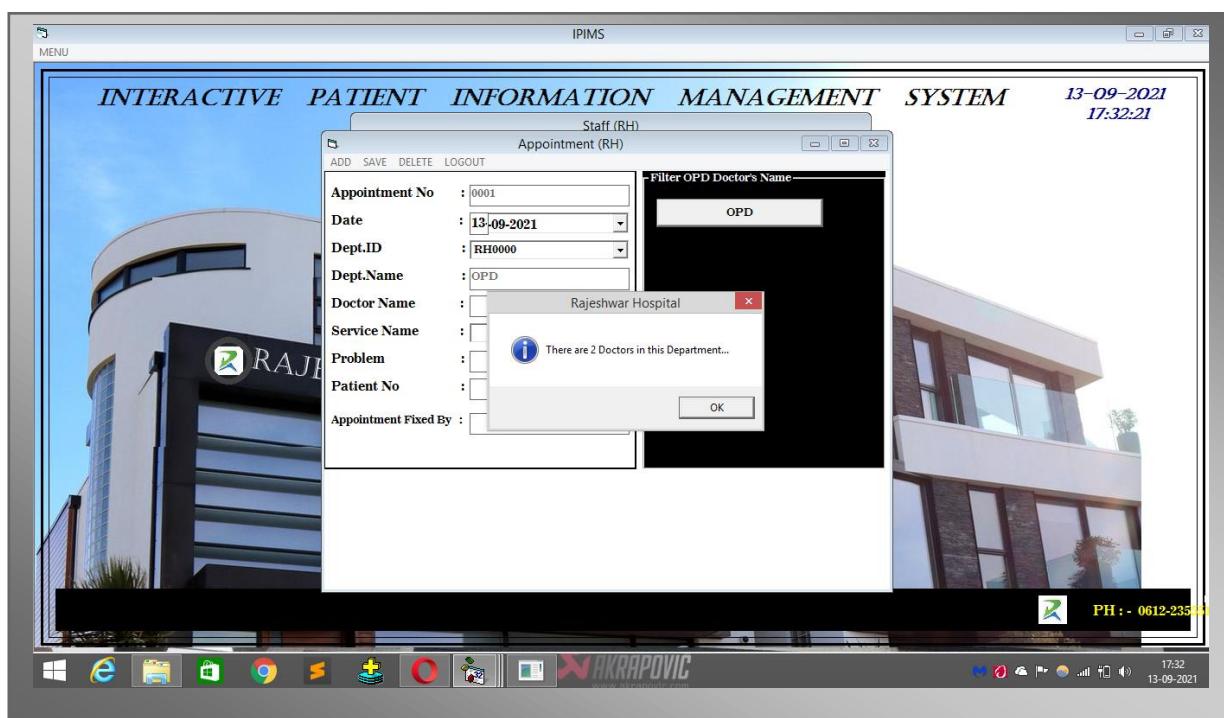


Figure1: User can see how many doctors are there in "OPD" department, I included this facility too.

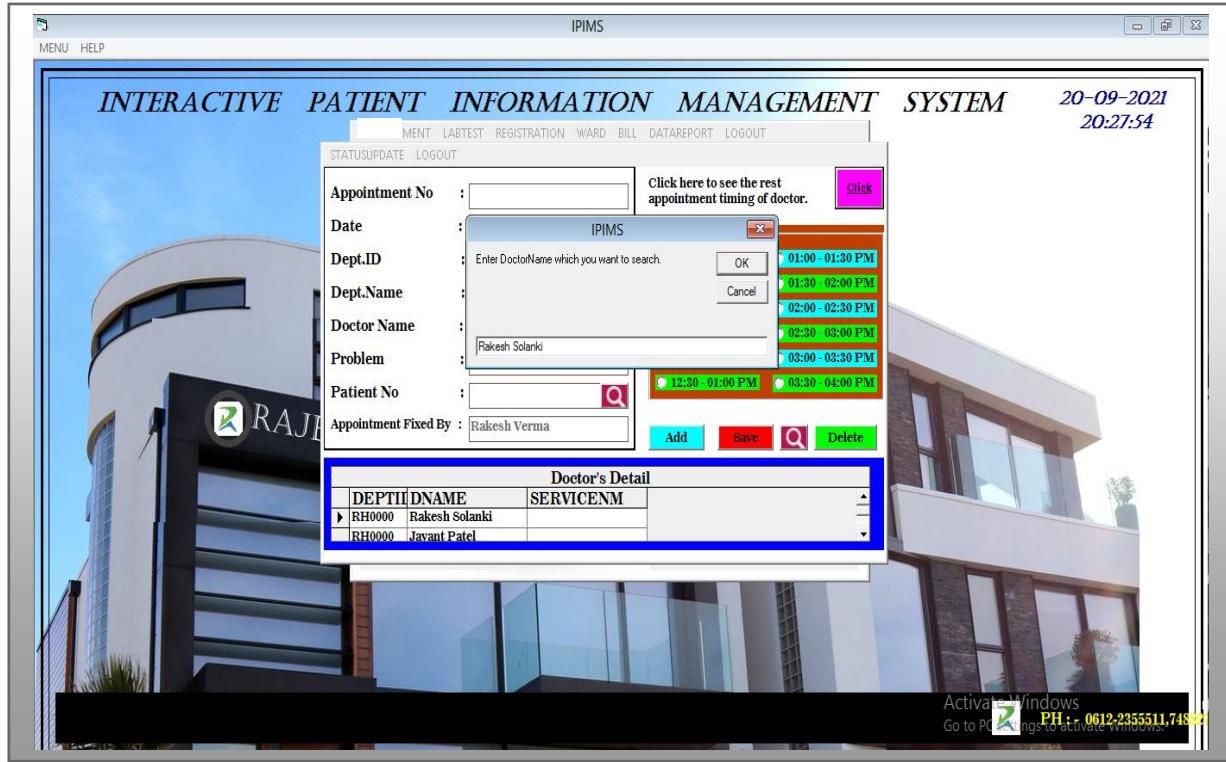


Figure2: To see the fixed time of appointment of any doctor who is belongs to OPD department, the user has to click on the “Click” button. Then input box will be display where user will input doctor’s name which he/she wants to search.

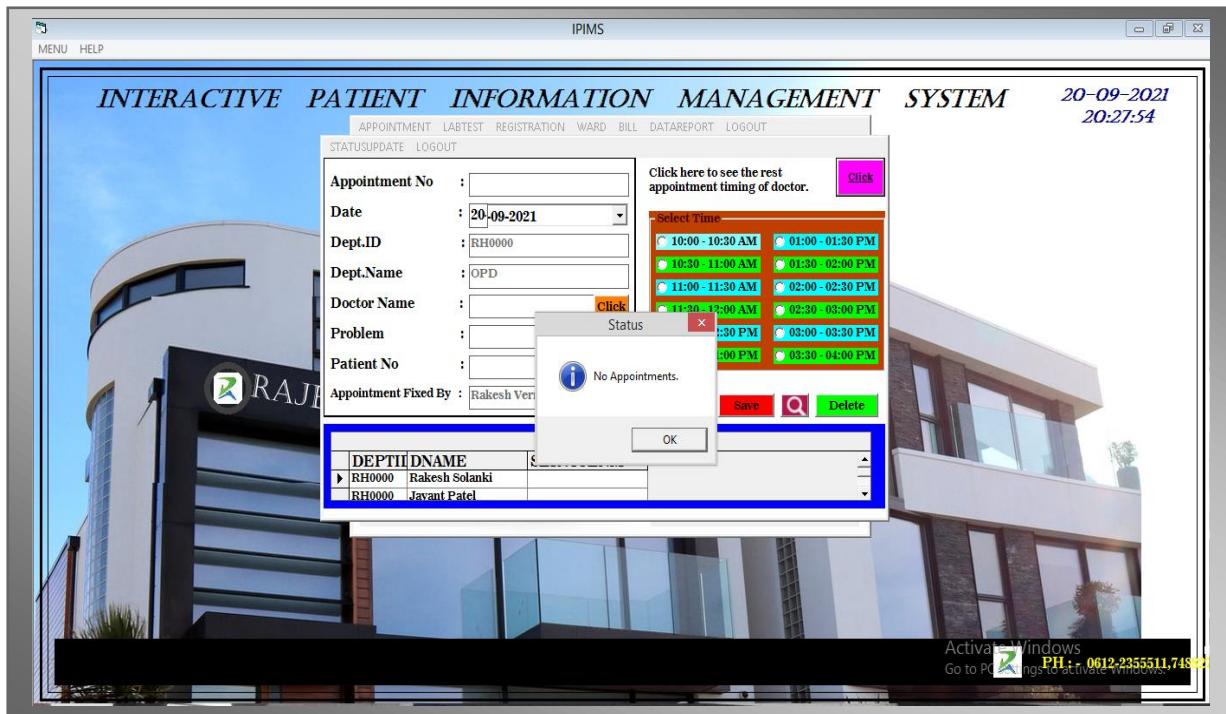
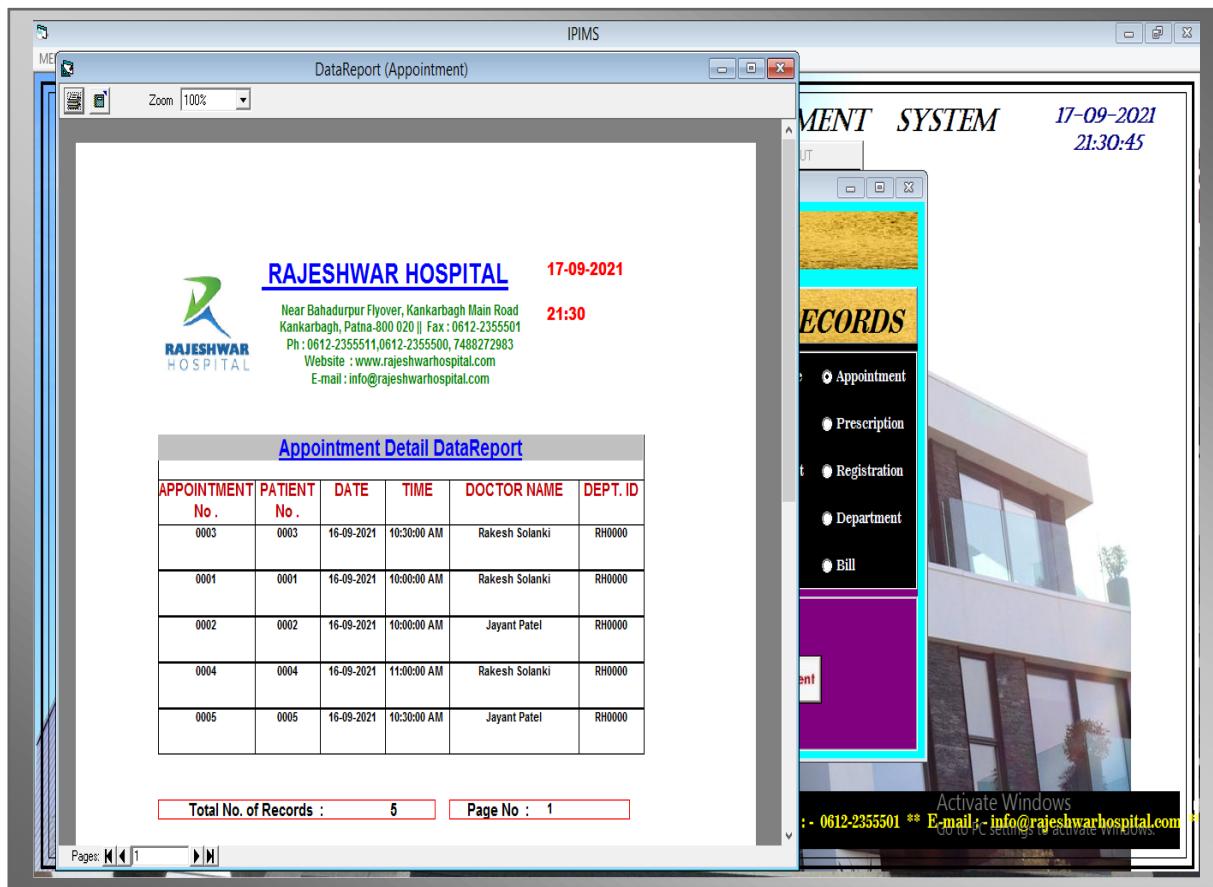


Figure3: In this module, Receptionist Department’s staff can add, update and delete appointment data.

C) Appointment Data Report:



12. Prescription Detail Form

a) Code:

Public Function Clear()

```

Label5.Caption = ""
Label10.Caption = ""
Label11.Caption = ""
Label12.Caption = ""
Label13.Caption = ""
Label15.Caption = ""
Label20.Caption = ""
Label21.Caption = ""
Label22.Caption = ""
Label23.Caption = ""
Label24.Caption = ""
Label25.Caption = ""
Label26.Caption = ""
Label27.Caption = ""

```

```
Label28.Caption = ""  
Label31.Caption = ""  
Label42.Caption = ""  
Label37.Caption = ""  
Option1.Value = False  
Option2.Value = False  
Option3.Value = False  
Option4.Value = False  
Option5.Value = False  
Option6.Value = False  
Option7.Value = False  
Option8.Value = False  
Option9.Value = False  
Option10.Value = False  
Option11.Value = False  
ComboMedicineName.Text = ""  
ComboDose.Text = ""  
ComboLabTest.Text = ""  
lblrefno.Caption = ""  
  
End Function  
  
Private Sub cmdAdd_Click()  
    Clear  
    fun  
    Frame15.Visible = False  
    Adodc1.RecordSource = "select  
pno,appno,adate,st1,deptid,servicenm,doctorname,Disease,status,afee,refno from  
tbl_Appointments where status like '%D%'"  
    Adodc1.Refresh  
    Set rs = New ADODB.Recordset  
    rs.Open "select * from tbl_Prescription order by receipt", conn, 3, 3  
    Dim num1 As String * 4  
    Dim num2 As Long  
  
    With rs  
        If rs.EOF Then  
            num1 = "0001"  
            txtReceiptNo.Text = num1  
        Else  
            rs.MoveLast  
            num2 = Right(!receipt, 3) + 1  
            num1 = Right("000" & num2, 4)  
        End If  
    End With
```

```
txtReceiptNo.Text = num1
Label39.Caption = txtReceiptNo.Text
End With
Set rs = Nothing
End Sub

Private Sub M_logout_Click()
Me.Hide
HOME
MDIForm1.M_MENU.Enabled = True
End Sub

Private Sub M_SAVE_Click()
fun
If txtReceiptNo.Text <> "" Then
Adodc2.RecordSource = "SELECT * FROM tbl_Prescription where receipt=''" &
txtReceiptNo.Text & ""
Adodc2.Refresh
If Adodc2.Recordset.EOF Then
    sql = "insert into tbl_Prescription values(''" + Label39.Caption + "','" + "
lblDateTime.Caption + "','" + Label5.Caption + "','" + Label10.Caption + "','" + "
Label11.Caption + "','" + Label12.Caption + "','" + Label13.Caption + "','" + Label20.Caption +
"','" + Label21.Caption + "','" + Label22.Caption + "','" + Label23.Caption + "','" + "
Label24.Caption + "','" + Label25.Caption + "','" + Label26.Caption + "','" + Label27.Caption +
"','" + Label28.Caption + "','" + Label37.Caption + "','" + Label42.Caption + "','" + "
Label31.Caption + "','" + Label15.Caption + "','" + Label40.Caption + "','" + Label41.Caption +
"','" + lblrefno.Caption + "','" + Label17.Caption + "')"
    Set rs = conn.Execute(sql)
    Set DataGridView2.DataSource = Adodc2.Recordset
    Adodc2.RecordSource = "SELECT * FROM tbl_Prescription where receipt=''" &
txtReceiptNo.Text & ""
    Adodc2.Refresh
    Set DataGridView2.DataSource = Adodc2.Recordset
    MsgBox "record saved !!", vbInformation + vbOKOnly, "DOCTOR's Account"
    Frame15.Visible = True
    Frame2.Visible = False
    txtReceiptNo.Text = ""
    Form15.Show
    Form15.M_Status.Enabled = True
Else
    MsgBox "Please fill all mandatory fields !!", vbCritical + vbOKOnly, "Warning"
```

```
End If
End If
End Sub

Private Sub cmdSearchPno_Click()
a = InputBox("Enter Patient Number which you want to search.")
Adodc1.RecordSource = "select
a.pno,a.appno,a.adate,a.st1,a.deptid,a.deptnm,a.servicenm,a.doctorname,a.Disease,a.statu
s,a.afee,a.refno,p.pname,p.pdob,p.pperadd from tbl_Appointments a,tbl_PbasicDetail p
where a.pno=p.pno and a.pno="" & a & "" and a.status like '%Active%'"
Adodc1.Refresh
If Adodc1.Recordset.EOF Then
    MsgBox "Patient not found! OR Not fixed appointment!" & vbCrLf & "Please insert
valid Patient Number.", vbExclamation, "Failed"
Else
    MsgBox "Patient found in the database!", vbInformation, "Success"
    If Adodc1.Recordset.Fields(6) <> "" Then
        Label17.Caption = Adodc1.Recordset.Fields(6)
    Else
        Label17.Caption = ""
    End If
    Label5.Caption = Adodc1.Recordset.Fields(0)
    lblappno.Caption = Adodc1.Recordset.Fields(1)
    Label13.Caption = Adodc1.Recordset.Fields(8)
    Label15.Caption = Adodc1.Recordset.Fields(7)
    If Adodc1.Recordset.Fields(11) <> "" Then
        Label31.Caption = Adodc1.Recordset.Fields(10) - (Adodc1.Recordset.Fields(10) * 20
        / 100)
    Else
        Label31.Caption = Adodc1.Recordset.Fields(10)
    End If
    If Adodc1.Recordset.Fields(11) <> "" Then
        lblrefno.Caption = Adodc1.Recordset.Fields(11)
    Else
        lblrefno.Caption = ""
    End If
    Label10.Caption = Adodc1.Recordset.Fields(12)
    Label11.Caption = Adodc1.Recordset.Fields(13)
    Label12.Caption = Adodc1.Recordset.Fields(14)
    Frame2.Visible = True
End If
```

End Sub

```
Private Sub ComboDose_Click()
    Text11.Text = ComboDose.Text
End Sub
```

```
Private Sub ComboLabTest_Click()
    Text1.Text = ComboLabTest.Text
End Sub
```

```
Private Sub ComboMedicineName_Click()
    Text10.Text = ComboMedicineName.Text
End Sub
```

```
Private Sub M_PRINT_Click()
    Frame1.Visible = False
    PrintForm
End Sub
```

```
Private Sub Form_Load()
    Clear
    IblDeactive.Visible = False
    Iblappno.Visible = False
    Label17.Visible = False
    Label18.Visible = False
    txtReceiptNo.Enabled = False
    Frame1.Visible = False
    Frame15.Visible = False
    Frame2.Visible = False
    IblAddress.Caption = "Near Bahadurpur Flyover, Kankarbagh Main Road" & vbCrLf &
    "Kankarbagh, Patna-800 020 | Ph : 0612-2355511" & vbCrLf & "0612-2355500,
    7488272983 | Fax : 0612-2355501" & vbCrLf & "Website :
    www.rajeshwarhospital.com" & vbCrLf & "E-mail : info@rajeshwarhospital.com"
    ComboMedicineName.AddItem "Abacavir"
    ComboMedicineName.AddItem "Alendronate"
    ComboMedicineName.AddItem "Amlodipine"
    ComboMedicineName.AddItem "Lisinopril"
    ComboMedicineName.AddItem "Levothyroxine"
    ComboMedicineName.AddItem "Metformin"
    ComboMedicineName.AddItem "Lipitor"
    ComboMedicineName.AddItem "Polibion-SF"
```

```
ComboMedicineName.AddItem "Practine"  
ComboMedicineName.AddItem "Evion-400"  
ComboDose.AddItem "1/2 x 1"  
ComboDose.AddItem "1/2 x 2"  
ComboDose.AddItem "1/2 x 3"  
ComboDose.AddItem "1 x 1"  
ComboDose.AddItem "1 x 2"  
ComboDose.AddItem "1 x 3"  
ComboLabTest.AddItem "Blood Sugar Random"  
ComboLabTest.AddItem "Urine"  
ComboLabTest.AddItem "CSF"  
ComboLabTest.AddItem "LFT"  
ComboLabTest.AddItem "Kft"  
ComboLabTest.AddItem "CBC"  
ComboLabTest.AddItem "HCT"  
ComboLabTest.AddItem "HB"  
ComboLabTest.AddItem "PT"  
ComboLabTest.AddItem "PTT"  
ComboLabTest.AddItem "INR"  
ComboLabTest.AddItem "X-RAY Chest Pa View"  
ComboLabTest.AddItem "X-RAY Brain Pa View"  
ComboLabTest.AddItem "Breast Biopsy"  
ComboLabTest.AddItem "Ultrasound"  
End Sub
```

```
Private Sub M_open_Click()  
    Frame1.Visible = True  
End Sub  
Public Function medicine()  
    ComboMedicineName.Text = ""  
    ComboDose.Text = ""  
End Function  
Private Sub Option1_Click()  
If Option1.Enabled = True Then  
    Label20.Caption = Text10.Text + Space(5) + Text11.Text  
    medicine  
End If  
End Sub
```

```
Private Sub Option10_Click()  
If Option10.Enabled = True Then
```

```
Label37.Caption = Text1.Text
ComboLabTest.Text = ""
End If
End Sub
```

```
Private Sub Option11_Click()
If Option11.Enabled = True Then
    Label42.Caption = Text1.Text
    ComboLabTest.Text = ""
End If
End Sub
```

```
Private Sub Option2_Click()
If Option2.Enabled = True Then
    Label21.Caption = Text10.Text + Space(5) + Text11.Text
    medicine
End If
End Sub
```

```
Private Sub Option3_Click()
If Option3.Enabled = True Then
    Label22.Caption = Text10.Text + Space(5) + Text11.Text
    medicine
End If
End Sub
```

```
Private Sub Option4_Click()
If Option4.Enabled = True Then
    Label23.Caption = Text10.Text + Space(5) + Text11.Text
    medicine
End If
End Sub
```

```
Private Sub Option5_Click()
If Option5.Enabled = True Then
    Label24.Caption = Text10.Text + Space(5) + Text11.Text
    medicine
End If
End Sub
```

```
Private Sub Option6_Click()
```

```
If Option6.Enabled = True Then
    Label25.Caption = Text10.Text + Space(5) + Text11.Text
    medicine
End If
End Sub
```

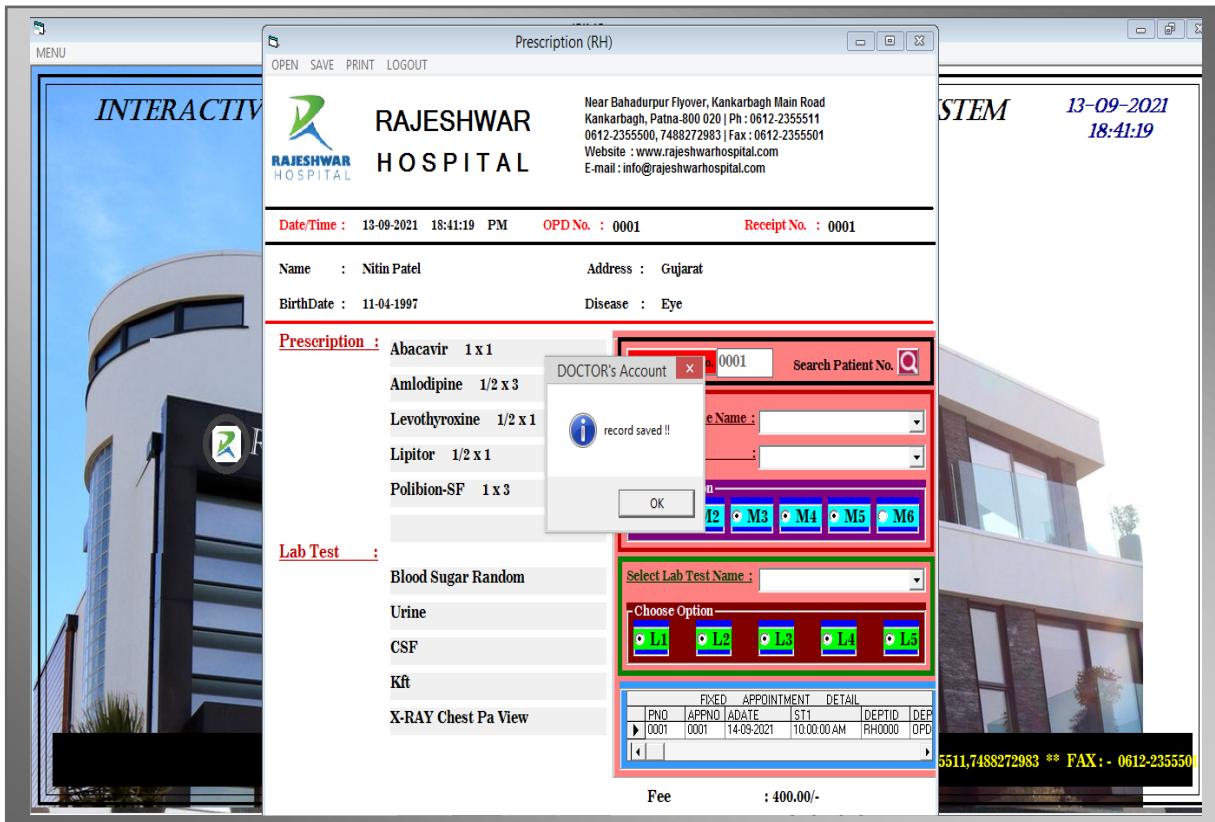
```
Private Sub Option7_Click()
If Option7.Enabled = True Then
    Label26.Caption = Text1.Text
    ComboLabTest.Text = ""
End If
End Sub
```

```
Private Sub Option8_Click()
If Option8.Enabled = True Then
    Label27.Caption = Text1.Text
    ComboLabTest.Text = ""
End If
End Sub
```

```
Private Sub Option9_Click()
If Option9.Enabled = True Then
    Label28.Caption = Text1.Text
    ComboLabTest.Text = ""
End If
End Sub
```

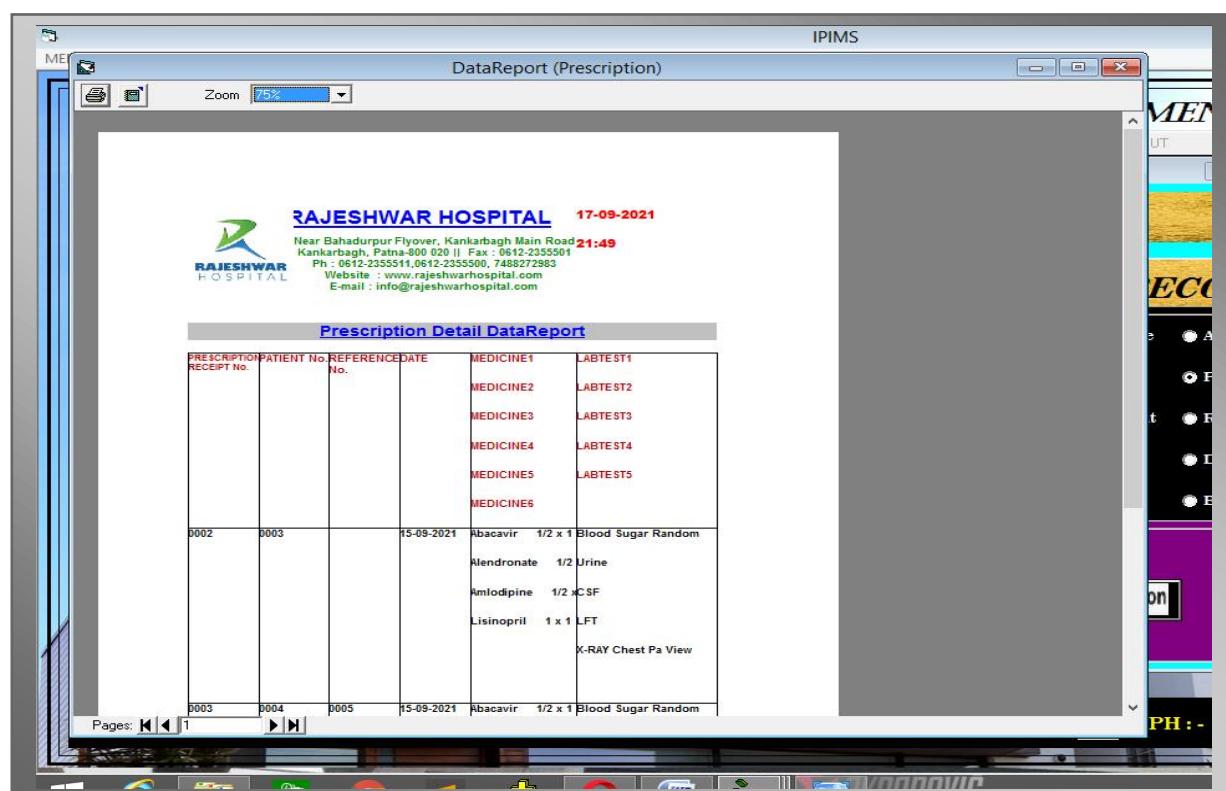
```
Private Sub Timer1_Timer()
If Time > "12:00:00" Then
    lblDateTime.Caption = Date & Space(5) & Time & Space(5) & "PM"
End If
If Time < "12:00:00" Then
    lblDateTime.Caption = Date & Space(5) & Time & Space(5) & "AM"
End If
End Sub
```

b) Screen Shot:



In this module Doctor will insert patient's prescription data. Firstly, doctor will click "OPEN" menu. Then one frame will be display, where doctor will add receipt number, search patient by patient number, add (medicine name with dose and lab test name. after that click "SAVE" button. This form is printable.

C) Prescription Data Report:



13. Labtest Detail Form

a) Code:

```
Public Function clsCombo()  
    ComboServiceName.Enabled = True  
    txtCharge.Enabled = True  
End Function
```

```
Public Function emptyfield()  
    ComboServiceGroup.Text = ""  
    ComboServiceName.Text = ""  
    txtCharge.Text = ""  
    txtTotal.Text = ""  
    ComboLabResult.Text = ""  
End Function
```

```
Public Function Clear()  
    txtTotal.Enabled = False  
    txtCharge.Enabled = False  
End Function
```

```
Public Function clearing()  
    txtTotal.Text = ""  
    txtCharge.Text = ""  
    ComboServiceGroup.Text = ""  
    ComboServiceName.Text = ""  
    ComboLabResult.Text = ""  
    Option1.Value = False  
    Option2.Value = False  
    Option3.Value = False  
    Option4.Value = False  
    Label10.Caption = ""  
    Label11.Caption = ""  
    Label12.Caption = ""  
    Label13.Caption = ""  
    Label14.Caption = ""  
    Label15.Caption = ""  
    Label16.Caption = ""  
    Label17.Caption = ""  
    Label30.Caption = ""
```

```
Label31.Caption = ""  
Label32.Caption = ""  
Label33.Caption = ""  
Label38.Caption = ""  
Label39.Caption = ""  
Label40.Caption = ""  
Label41.Caption = ""  
Label47.Caption = ""  
Label48.Caption = ""  
Label49.Caption = ""  
Label50.Caption = ""  
Option5.Value = False  
Label68.Caption = ""  
Label67.Caption = ""  
Label63.Caption = ""  
Label61.Caption = ""  
Label59.Caption = ""  
Option6.Value = False  
Option7.Value = False  
Option8.Value = False  
Option9.Value = False  
Option10.Value = False  
End Function  
Private Sub cmdAdd_Click()  
    clearing  
    fun  
    Set rs = New ADODB.Recordset  
    rs.Open "select * from tbl_LabTest order by LabReportNo", conn, 3, 3  
    Dim num1 As String * 4  
    Dim num2 As Long  
    With rs  
        If rs.BOF Then  
            num1 = "0001"  
            Text1.Text = num1  
        Else  
            rs.MoveLast  
            num2 = Right(!LabReportNo, 3) + 1  
            num1 = Right("000" & num2, 4)  
        End If  
        Text1.Text = num1  
    End With
```

End Sub

```

Private Sub cmdSAVE_Click()
fun
If Text1.Text <> "" And Text2.Text <> "" Then
    Adodc2.RecordSource = "SELECT * FROM tbl_LabTest where LabReportNo="" & Text1.Text
    & """
        Adodc2.Refresh
        sql = "insert into tbl_LabTest values("" + Text1.Text + "", "" + Label3.Caption + "", "" +
Text2.Text + "", "" + Label10.Caption + "", "" + Label11.Caption + "", "" + Label12.Caption + "", "" +
Label13.Caption + "", "" + Label68.Caption + "", "" + Label14.Caption + "", "" + Label15.Caption +
"", "" + Label16.Caption + "", "" + Label17.Caption + "", "" + Label67.Caption + "", "" +
Label30.Caption + "", "" + Label31.Caption + "", "" + Label32.Caption + "", "" + Label33.Caption +
"", "" + Label63.Caption + "", "" + Label38.Caption + "", "" + Label39.Caption + "", "" +
Label40.Caption + "", "" + Label41.Caption + "", "" + Label61.Caption + "", "" + Label47.Caption +
"", "" + Label48.Caption + "", "" + Label49.Caption + "", "" + Label50.Caption + "", "" +
Label59.Caption + "", "" + Label42.Caption + "", "" + Iblrefno.Caption + "") "
        Set rs = conn.Execute(sql)
        Set DataGrid2.DataSource = Adodc2.Recordset
        Adodc2.Refresh
        Adodc2.RecordSource = "SELECT * FROM tbl_LabTest where LabReportNo="" &
Text1.Text & """
        Adodc2.Refresh
        Set DataGrid2.DataSource = Adodc2.Recordset
        Adodc2.Recordset.Fields(28) = Label42.Caption
        Frame1.Visible = False
        Frame2.Visible = False
        Frame7.Visible = True
        MsgBox "record saved !!", vbInformation + vbOKOnly, "DOCTOR's Account"
        Text1.Text = ""
        Text2.Text = ""
    End If
End Sub

```

```

Private Sub cmdSearchReceiptNumber_Click()
a = InputBox("Enter Receipt Number which you want to search.")
    Adodc1.RecordSource = "select receipt,
labtest1,labtest2,labtest3,labtest4,labtest5,labtest,refno from tbl_Prescription where
receipt="" & a & "" and labtest like '%N%'"
    Adodc1.Refresh
    If Adodc1.Recordset.EOF Then

```

```
    MsgBox "Patient not found!" & vbCrLf & "Please insert valid Patient Number.",  
vbExclamation, "Failed"  
Else  
    MsgBox "Patient found in the database!", vbInformation, "Success"  
    Text2.Text = a  
    If Adodc1.Recordset.Fields(7) <> "" Then  
        Iblrefno.Caption = Adodc1.Recordset.Fields(7)  
    Else  
        Iblrefno.Caption = ""  
    End If  
    Frame1.Visible = True  
    Frame7.Visible = False  
    Frame2.Visible = True  
End If  
End Sub
```

```
Private Sub ComboServiceGroup_Click()  
    txtTotal.Text = ""  
    If ComboServiceGroup.Text = "Bio-chemistry" Then  
        txtCharge.Text = ""  
        clsCombo  
        Me.ComboServiceName.Clear  
        ComboServiceName.AddItem "Blood Sugar Random"  
        ComboServiceName.AddItem "Urine"  
        ComboServiceName.AddItem "CSF"  
        ComboServiceName.AddItem "LFT"  
        ComboServiceName.AddItem "Kft"  
    End If  
    If ComboServiceGroup.Text = "Haematology" Then  
        txtCharge.Text = ""  
        clsCombo  
        Me.ComboServiceName.Clear  
        ComboServiceName.AddItem "CBC"  
        ComboServiceName.AddItem "HCT"  
        ComboServiceName.AddItem "HB"  
        ComboServiceName.AddItem "PT"  
        ComboServiceName.AddItem "PTT"  
        ComboServiceName.AddItem "INR"  
    End If  
    If ComboServiceGroup.Text = "X-RAY" Then  
        txtCharge.Text = ""
```

```
clsCombo
Me.ComboServiceName.Clear
ComboServiceName.AddItem "X-RAY Chest Pa View"
ComboServiceName.AddItem "X-RAY Brain Pa View"
End If
If ComboServiceGroup.Text = "General and Specialty surgical" Then
    clsCombo
    txtCharge.Text = ""
    Me.ComboServiceName.Clear
    ComboServiceName.AddItem "Breast Biopsy"
    ComboServiceName.AddItem "Ultrasound"
End If
End Sub
```

```
Private Sub ComboServiceName_Click()
    txtTotal.Text = ""
    If ComboServiceName.Text = "Blood Sugar Random" Then
        txtCharge.Text = "70 x 1"
        txtTotal.Text = "70"
        Clear
    End If
    If ComboServiceName.Text = "Urine" Then
        txtCharge.Text = "100 x 1"
        txtTotal.Text = "100"
        Clear
    End If
    If ComboServiceName.Text = "CSF" Then
        txtCharge.Text = "500 x 1"
        txtTotal.Text = "500"
        Clear
    End If
    If ComboServiceName.Text = "LFT" Then
        txtCharge.Text = "700 x 1"
        txtTotal.Text = "700"
        Clear
    End If
    If ComboServiceName.Text = "Kft" Then
        txtCharge.Text = "1400 x 1"
        txtTotal.Text = "1400"
        Clear
    End If
End Sub
```

```
If ComboServiceName.Text = "Operation Charge" Then
    txtCharge.Text = "8000"
    txtTotal.Text = "8000"
    Clear
End If

If ComboServiceName.Text = "Admission Charge Day" Then
    txtCharge.Text = "500 x 1"
    txtTotal.Text = "500"
    Clear
End If

If ComboServiceName.Text = "Nurshing Charge For GW" Then
    txtCharge.Text = "200"
    txtTotal.Text = "200"
    Clear
End If

If ComboServiceName.Text = "Nurshing Charge For SW" Then
    txtCharge.Text = "500"
    txtTotal.Text = "500"
    Clear
End If

If ComboServiceName.Text = "CBC" Then
    txtCharge.Text = "100 x 1"
    txtTotal.Text = "100"
    Clear
End If

If ComboServiceName.Text = "HCT" Then
    txtCharge.Text = "200 x 1"
    txtTotal.Text = "200"
    Clear
End If

If ComboServiceName.Text = "HB" Then
    txtCharge.Text = "250 x 1"
    txtTotal.Text = "250"
    Clear
End If

If ComboServiceName.Text = "PT" Then
    txtCharge.Text = "300 x 1"
    txtTotal.Text = "300"
    Clear
End If

If ComboServiceName.Text = "PTT" Then
```

```
txtCharge.Text = "400 x 1"
txtTotal.Text = "400"
Clear
End If
If ComboServiceName.Text = "INR" Then
    txtCharge.Text = "500 x 1"
    txtTotal.Text = "500"
    Clear
End If
If ComboServiceName.Text = "X-RAY Chest Pa View" Then
    txtCharge.Text = "1500 x 1"
    txtTotal.Text = "1500"
    Clear
End If
If ComboServiceName.Text = "X-RAY Brain Pa View" Then
    txtCharge.Text = "2000 x 1"
    txtTotal.Text = "2000"
    Clear
End If
If ComboServiceName.Text = "Breast Biopsy" Then
    txtCharge.Text = "500 x 1"
    txtTotal.Text = "500"
    Clear
End If
If ComboServiceName.Text = "Ultrasound" Then
    txtCharge.Text = "600 x 1"
    txtTotal.Text = "600"
    Clear
End If
End Sub
```

```
Private Sub Form_Load()
    Frame2.Visible = False
    Text2.Visible = False
    Frame1.Visible = True
    Frame7.Visible = False
    ComboServiceGroup.AddItem "Bio-chemistry"
    ComboServiceGroup.AddItem "Haematology"
    ComboServiceGroup.AddItem "X-RAY"
    ComboLabResult.AddItem "Problem"
    ComboLabResult.AddItem "No Problem"
```

```
Label42.Visible = False  
Label57.Visible = False  
Label58.Visible = False  
End Sub
```

```
Private Sub M_logout_Click()  
Me.Hide  
HOME  
MDIForm1.M_MENU.Enabled = True  
End Sub
```

```
Private Sub Option1_Click()  
If Option1.Enabled = True Then  
    Label10.Caption = ComboServiceGroup.Text  
    Label14.Caption = ComboServiceName.Text  
    Label30.Caption = txtCharge.Text  
    Label38.Caption = txtTotal.Text  
    Label47.Caption = ComboLabResult.Text  
    Option6.Value = False  
    emptyfield  
End If  
End Sub
```

```
Private Sub Option10_Click()  
If Option10.Enabled = True Then  
    Label68.Caption = ""  
    Label67.Caption = ""  
    Label63.Caption = ""  
    Label61.Caption = ""  
    Label59.Caption = ""  
    Option5.Value = False  
End If  
End Sub
```

```
Private Sub Option2_Click()  
If Option2.Enabled = True Then  
    Label11.Caption = ComboServiceGroup.Text  
    Label15.Caption = ComboServiceName.Text  
    Label31.Caption = txtCharge.Text  
    Label39.Caption = txtTotal.Text  
    Label48.Caption = ComboLabResult.Text
```

```
Option7.Value = False
emptyfield
End If
End Sub

Private Sub Option3_Click()
If Option3.Enabled = True Then
    Label12.Caption = ComboServiceGroup.Text
    Label16.Caption = ComboServiceName.Text
    Label32.Caption = txtCharge.Text
    Label40.Caption = txtTotal.Text
    Label49.Caption = ComboLabResult.Text
    Option8.Value = False
    emptyfield
End If
End Sub

Private Sub Option4_Click()
If Option4.Enabled = True Then
    Label13.Caption = ComboServiceGroup.Text
    Label17.Caption = ComboServiceName.Text
    Label33.Caption = txtCharge.Text
    Label41.Caption = txtTotal.Text
    Label50.Caption = ComboLabResult.Text
    Option9.Value = False
    emptyfield
End If
End Sub

Private Sub Option5_Click()
If Option5.Enabled = True Then
    Label68.Caption = ComboServiceGroup.Text
    Label67.Caption = ComboServiceName.Text
    Label63.Caption = txtCharge.Text
    Label61.Caption = txtTotal.Text
    Label59.Caption = ComboLabResult.Text
    Option10.Value = False
    emptyfield
End If
End Sub
```

```
Private Sub Option6_Click()
If Option6.Enabled = True Then
    Label10.Caption = ""
    Label14.Caption = ""
    Label30.Caption = ""
    Label38.Caption = ""
    Label47.Caption = ""
    Option1.Value = False
End If
End Sub
```

```
Private Sub Option7_Click()
If Option7.Enabled = True Then
    Label11.Caption = ""
    Label15.Caption = ""
    Label31.Caption = ""
    Label39.Caption = ""
    Label48.Caption = ""
    Option2.Value = False
End If
End Sub
```

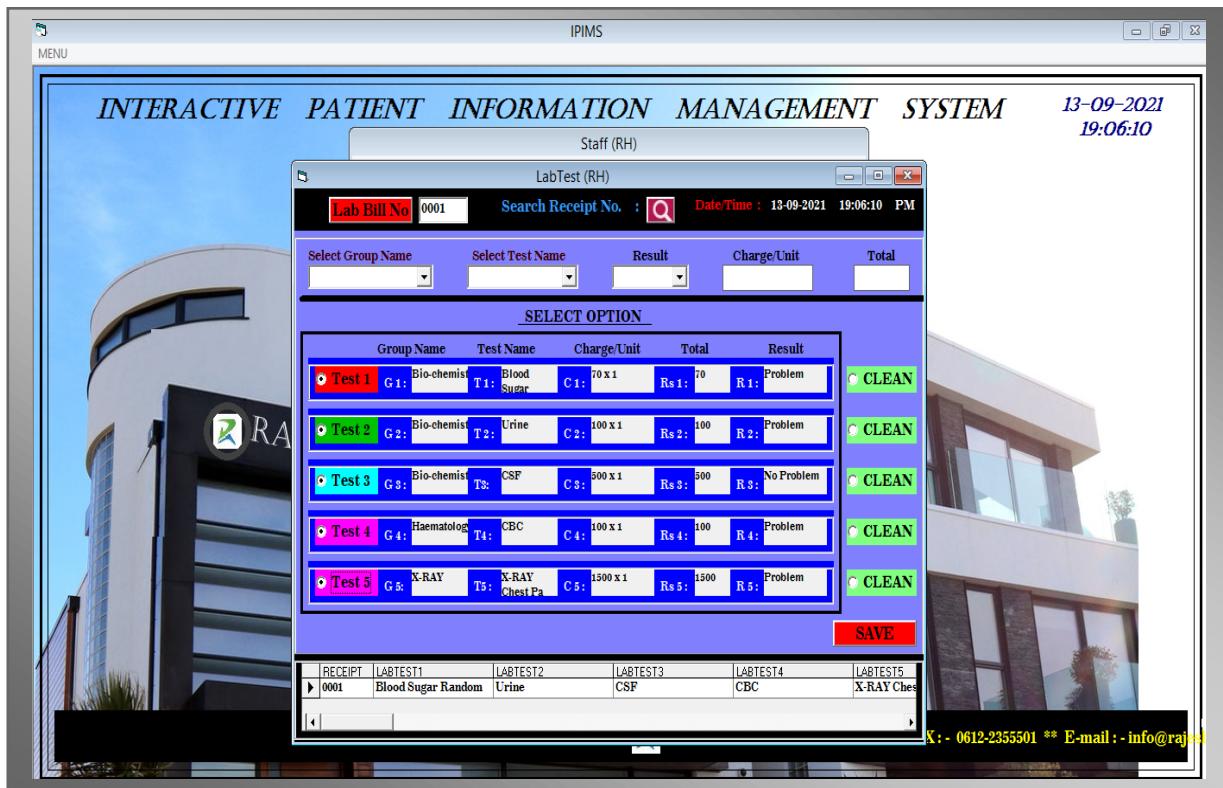
```
Private Sub Option8_Click()
If Option8.Enabled = True Then
    Label12.Caption = ""
    Label16.Caption = ""
    Label32.Caption = ""
    Label40.Caption = ""
    Label49.Caption = ""
    Option3.Value = False
End If
End Sub
```

```
Private Sub Option9_Click()
If Option9.Enabled = True Then
    Label13.Caption = ""
    Label17.Caption = ""
    Label33.Caption = ""
    Label41.Caption = ""
    Label50.Caption = ""
    Option4.Value = False
End If
End Sub
```

End If
End Sub

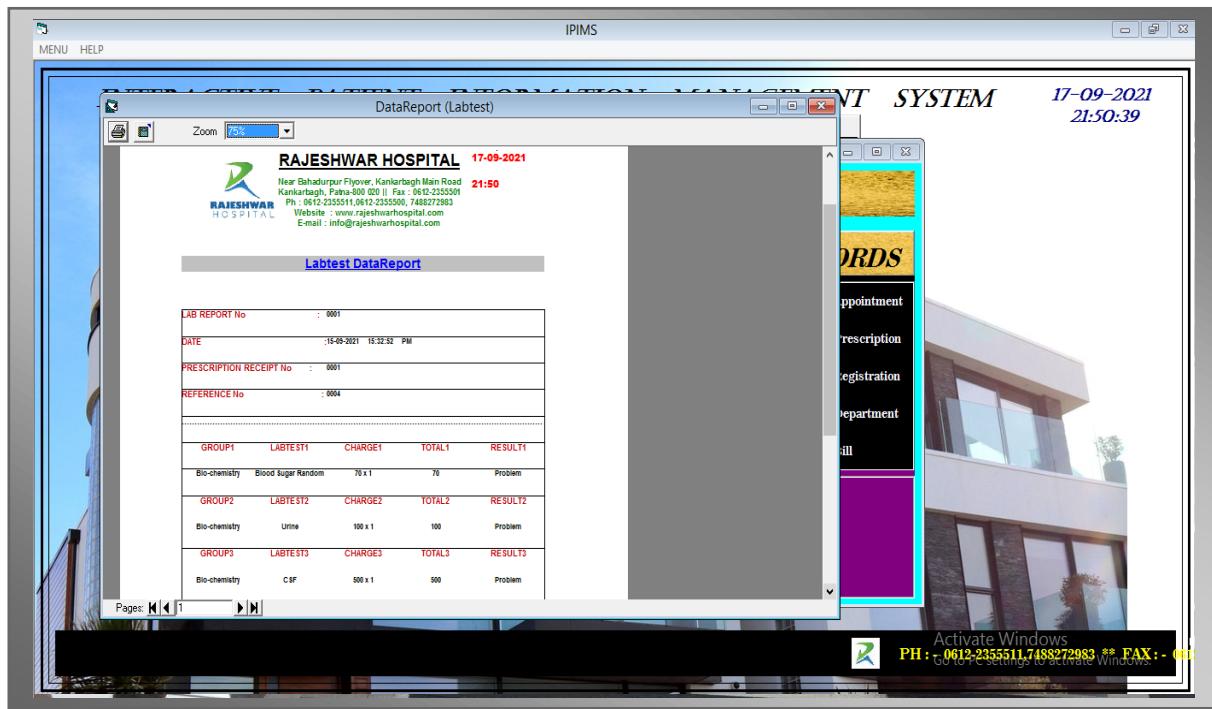
```
Private Sub Timer1_Timer()
If Time > "12:00:00" Then
    Label3.Caption = Date & Space(5) & Time & Space(5) & "PM"
End If
If Time < "12:00:00" Then
    Label3.Caption = Date & Space(5) & Time & Space(5) & "AM"
End If
End Sub
```

b) Screen Shot:



- Step1: Click lab bill number.
- Step2: Search receipt number (Prescription). If receipt number is available then that patient's record will be shown below.
- Step3: Select group name.
- Step4: Select test name.
- Step5: Select result.
- Step6: If this is first test then click "test1" option. Data will be inserted.
- Step7: Same data.

C) Labtest Data Report:



14. Decision Form

a) Code:

```

Private Function Clear()
    Text3.Text = ""
    Text2.Text = ""
    Label7.Caption = ""
    Text2.Text = ""
    Label3.Caption = ""
    Iblrefno.Caption = ""
    Iblabbillnumber.Caption = ""
    Label13.Caption = ""
    Label14.Caption = ""
    Label15.Caption = ""
    Label16.Caption = ""
    Label17.Caption = ""
    Label18.Caption = ""
    Label19.Caption = ""
    Label20.Caption = ""
    Option1.Value = False
    Option2.Value = False

```

```
txtservicenm.Text = ""  
Label23.Caption = ""  
Label24.Caption = ""  
End Function  
  
Private Sub cmdAdd_Click()  
    Clear  
    fun  
    sql = "select uhid from tbl_Decision ORDER BY uhid"  
    rs.Open sql, conn, adOpenStatic, adLockReadOnly  
    If Not ((Adodc2.Recordset.EOF = True) Or (Adodc2.Recordset.BOF = True)) Then  
        rs.MoveLast  
        Dim uid As String  
        Text3.Text = rs(0)  
        uid = 0  
        uid = uid + Text3.Text + 1  
        Text3 = "000" & uid  
        Text3.Text = Format(CInt(uid), "0000")  
        Text3.Enabled = False  
    Else  
        temp = Mid(Text3, 2)  
        i = Val(temp) + 1  
        temp = Format(i, "000#")  
        Text3 = temp  
        Text3.Enabled = False  
    End If  
End Sub
```

```
Private Sub CMDeSERVICE_Click()  
    Frame8.Visible = True  
    Text4.Text = "RH0002"  
End Sub
```

```
Private Sub cmdIPDservice_Click()  
    Frame5.Visible = True  
    Text4.Text = "RH0001"  
End Sub
```

```
Private Sub cmdSAVE_Click()  
    fun  
    If Text3.Text <> "" And Text2.Text <> "" And Text4.Text <> "" Then
```

```

Adodc2.RecordSource = "SELECT * FROM tbl_Decision where uhid=''" & Text3.Text & """
Adodc2.Refresh
If Adodc2.Recordset.EOF Then
    sql = "insert into tbl_Decision values('' + Text3.Text + "','" + Text1.Text + "','" +
Label7.Caption + "','" + Label5.Caption + "','" + Text2.Text + "','" + Label3.Caption + "','" +
lblabbillnumber.Caption + "','" + lblrefno.Caption + "','" + txtservicenm.Text + "','" +
Text4.Text + "')"
    Set rs = conn.Execute(sql)
    Set DataGrid2.DataSource = Adodc2.Recordset
    Adodc2.RecordSource = "SELECT * FROM tbl_Decision where uhid=''" & Text3.Text & """
    Adodc2.Refresh
    Set DataGrid2.DataSource = Adodc2.Recordset
    Frame1.Visible = False
    Frame3.Visible = True
    MsgBox "record saved !!", vbInformation + vbOKOnly, "Decision Status"
    Text3.Text = ""
    Text4.Text = ""
    Command1.Enabled = True
    Command2.Enabled = True
    Command11.Enabled = True
    Command4.Enabled = True
    Command5.Enabled = True
    Command6.Enabled = True
    Command7.Enabled = True
    Command8.Enabled = True
    Command9.Enabled = True
    Command10.Enabled = True
Else
    MsgBox "Please fill all mandatory fields !!", vbCritical + vbOKOnly, "Warning"
End If
End If
End Sub

```

```

Private Sub cmdSearchReceiptNumber_Click()
Frame3.Visible = False
Text4.Text = ""
a = InputBox("Enter Patient Number which you want to search.")
    Adodc1.RecordSource = "select
p.pno,p.servicenm,a.receipt,a.labtest1,a.labtest2,a.labtest3,a.labtest4,a.labtest5,a.result1,a.
result2,a.result3,a.result4,a.result5,a.LabReportNo,a.refno from tbl_Prescription
p,tbl_LabTest a where p.receipt = a.receipt and pno=''" & a & """

```

```
Adodc1.Refresh
If Adodc1.Recordset.EOF Then
    MsgBox "Patient not found!" & vbCrLf & "Please insert valid Patient Number. ",
    vbExclamation, "Failed"
Else
    MsgBox "Patient found in the database!", vbInformation, "Success"
Frame1.Visible = True
Text1.Text = a
Label7.Caption = Adodc1.Recordset.Fields(2)
If Adodc1.Recordset.Fields(3) <> "" Then
    Label13.Caption = Adodc1.Recordset.Fields(3)
Else
    Label13.Caption = ""
End If
If Adodc1.Recordset.Fields(4) <> "" Then
    Label14.Caption = Adodc1.Recordset.Fields(4)
Else
    Label14.Caption = ""
End If
If Adodc1.Recordset.Fields(5) <> "" Then
    Label15.Caption = Adodc1.Recordset.Fields(5)
Else
    Label15.Caption = ""
End If
If Adodc1.Recordset.Fields(6) <> "" Then
    Label16.Caption = Adodc1.Recordset.Fields(6)
Else
    Label16.Caption = ""
End If
If Adodc1.Recordset.Fields(8) <> "" Then
    Label17.Caption = Adodc1.Recordset.Fields(8)
Else
    Label17.Caption = ""
End If
If Adodc1.Recordset.Fields(9) <> "" Then
    Label18.Caption = Adodc1.Recordset.Fields(9)
Else
    Label18.Caption = ""
End If
If Adodc1.Recordset.Fields(10) <> "" Then
    Label19.Caption = Adodc1.Recordset.Fields(10)
```

```
Else
    Label19.Caption = ""
End If
If Adodc1.Recordset.Fields(11) <> "" Then
    Label20.Caption = Adodc1.Recordset.Fields(11)
Else
    Label20.Caption = ""
End If
If Adodc1.Recordset.Fields(13) <> "" Then
    Iblabbillnumber.Caption = Adodc1.Recordset.Fields(13)
Else
    Iblabbillnumber.Caption = ""
End If
If Adodc1.Recordset.Fields(14) <> "" Then
    Iblrefno.Caption = Adodc1.Recordset.Fields(14)
Else
    Iblrefno.Caption = ""
End If
If Adodc1.Recordset.Fields(1) <> "" Then
    txtservicem.Text = Adodc1.Recordset.Fields(1)
    cmdIPDservice.Enabled = False
    CMDeSERVICE.Enabled = False
Else
    txtservicem.Text = ""
    cmdIPDservice.Enabled = True
    CMDeSERVICE.Enabled = True
End If
If Adodc1.Recordset.Fields(7) <> "" Then
    Label23.Caption = Adodc1.Recordset.Fields(7)
Else
    Label23.Caption = ""
End If
If Adodc1.Recordset.Fields(12) <> "" Then
    Label24.Caption = Adodc1.Recordset.Fields(12)
Else
    Label24.Caption = ""
End If
End If
End Sub
```

Private Sub Command1_Click()

```
txtservicenm.Text = Command1.Caption
End Sub

Private Sub Command10_Click()
    txtservicenm.Text = Command10.Caption
End Sub

Private Sub Command11_Click()
    txtservicenm.Text = Command11.Caption
End Sub

Private Sub Command2_Click()
    txtservicenm.Text = Command2.Caption
End Sub

Private Sub Command4_Click()
    txtservicenm.Text = Command4.Caption
End Sub

Private Sub Command5_Click()
    txtservicenm.Text = Command5.Caption
End Sub

Private Sub Command6_Click()
    txtservicenm.Text = Command6.Caption
End Sub

Private Sub Command7_Click()
    txtservicenm.Text = Command7.Caption
End Sub

Private Sub Command8_Click()
    txtservicenm.Text = Command8.Caption
End Sub

Private Sub Command9_Click()
    txtservicenm.Text = Command9.Caption
End Sub

Private Sub Form_Load()
    Clear
```

```
Iblrefno.Visible = False
Iblabbillnumber.Visible = False
Label21.Visible = False
Option1.Value = False
Option2.Value = False
Text1.Visible = False
Text2.Visible = False
Frame1.Visible = True
Frame3.Visible = False
Frame5.Visible = False
Frame8.Visible = False
txtservicenm.Enabled = False
cmdIPDservice.Enabled = False
CMDeSERVICE.Enabled = False
End Sub
```

```
Private Sub M_logout_Click()
Me.Hide
HOME
MDIForm1.M_MENU.Enabled = True
End Sub
```

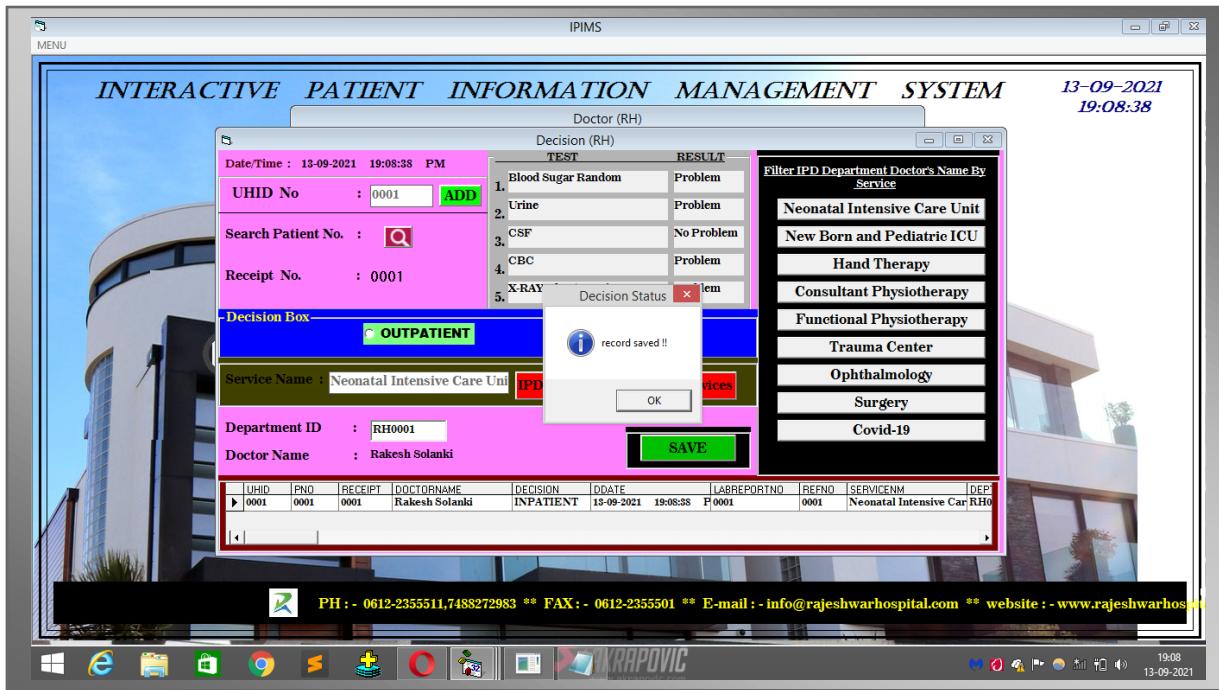
```
Private Sub Option1_Click()
Text2.Text = Option1.Caption
cmdIPDservice.Enabled = True
CMDeSERVICE.Enabled = True
If txtservicenm.Text = "Neonatal Intensive Care Unit" Then
    Text4.Text = "RH0001"
End If
If txtservicenm.Text = "New Born and Pediatric ICU" Then
    Text4.Text = "RH0001"
End If
If txtservicenm.Text = "Hand Therapy" Then
    Text4.Text = "RH0001"
End If
If txtservicenm.Text = "Consultant Physiotherapy" Then
    Text4.Text = "RH0001"
End If
If txtservicenm.Text = "Functional Physiotherapy" Then
    Text4.Text = "RH0001"
End If
```

```
If txtservicenm.Text = "Trauma Center" Then
    Text4.Text = "RH0001"
End If
If txtservicenm.Text = "Ophthalmology" Then
    Text4.Text = "RH0001"
End If
If txtservicenm.Text = "Surgery" Then
    Text4.Text = "RH0001"
End If
If txtservicenm.Text = "Covid-19" Then
    Text4.Text = "RH0001"
End If
If txtservicenm.Text = "Critical Care Unit" Then
    Text4.Text = "RH0002"
End If
End Sub
```

```
Private Sub Option2_Click()
    Text2.Text = Option2.Caption
    cmdIPDservice.Enabled = False
    CMDeSERVICE.Enabled = False
    Frame5.Visible = False
    Frame8.Visible = False
    Text4.Text = "RH0000"
End Sub
```

```
Private Sub Timer1_Timer()
If Time > "12:00:00" Then
    Label3.Caption = Date & Space(5) & Time & Space(5) & "PM"
End If
If Time < "12:00:00" Then
    Label3.Caption = Date & Space(5) & Time & Space(5) & "AM"
End If
End Sub
```

b) Screen Shot:



Step1: Click add button.

Step2: Search patient number.

Step3: If patient is “Outpatient” then click out patient option and click save button.

Step4: If patient is “Inpatient” then clicks “IPD” button or “Emergency” button. Then one frame will be open. Now click service button. As soon as, user clicks on the service button, its name will show in the field named service name.

Step5: Save data.

c) Decision Data Report:

The report header includes the hospital logo and contact information: RAJESHWAR HOSPITAL, Near Bahadurpur Flyover, Kankarbagh Main Road, Kankarbagh, Patna-800 020 || Fax : 0612-2355501 Ph : 0612-2355511, 0612-2355500, 7488272983 Website : www.rajeshwarshospital.com E-mail : info@rajeshwarshospital.com

Doctor Decision DataReport

UHID No	PATIENT No	PRESCRIPTION RECEIPT No.	LAB REPORT No.	DECISION	SERVICE	DATE
0004	0002	0004	0004	OUTPATIENT		15-09-202
0005	0005	0005	0005	INPATIENT	Consultant	15-09-202
0001	0001	0001	0001	INPATIENT	Neonatal	15-09-202
0002	0003	0002	0002	OUTPATIENT		15-09-202
0003	0004	0003	0003	INPATIENT	Neonatal	15-09-202

Total No. of Records : 5 Page No : 1

15. Registration Form

a) Code:

```
Private Sub cmdIPD_Click()
    Frame2.Visible = False
    Frame3.Visible = True
    fun
    sql = "select ipd from tbl_Registration ORDER BY ipd"
    rs.Open sql, conn, adOpenStatic, adLockReadOnly
    If Not ((Adodc2.Recordset.EOF = True) Or (Adodc2.Recordset.BOF = True)) Then
        rs.MoveLast
        Dim uid As String
        txtipd.Text = rs(0)
        uid = 0
        uid = uid + txtipd.Text + 1
        txtipd = "000" & uid
        txtipd.Text = Format(CInt(uid), "0000")
        txtipd.Enabled = False
    Else
        temp = Mid(txtipd, 2)
        i = Val(temp) + 1
        temp = Format(i, "000#")
        txtipd = temp
        txtipd.Enabled = False
        Frame3.Visible = True
    End If
End Sub

Private Sub cmdRefresh_Click()
    Dim sql As String
    sql = "select
        d.uhid,d.pno,d.receipt,d.LabReportNo,d.decision,d.servicenm,p.pname,p.pfathername,p.pd
        ob,p.page,p.pgen,p.pperadd,p.preligion,p.pms,p.pstreet,p.pdistrict,p.pstate,p.ppincode,p.p
        mobile,p.refno
    from
        tbl_Decision d,tbl_PbasicDetail p
    where
        decision like '%INPATIENT%'
        AND d.pno=p.pno"
    Adodc1.RecordSource = sql
    Adodc1.Refresh
End Sub

Private Sub cmdSAVE_Click()
```

```

fun
If txtipd.Text <> "" Then
    Adodc2.RecordSource = "SELECT * FROM tbl_Registration where ipd=''" & txtipd.Text & """
    Adodc2.Refresh
    If Adodc2.Recordset.EOF Then
        sql = "insert into tbl_Registration values('' + txtipd.Text + "','" + Text1.Text + "','" +
        lblDateTime.Caption + "','" + lblpno.Caption + "','" + lblnm.Caption + "','" + lblfnm.Caption +
        "','" + lblage.Caption + "','" + lblSex.Caption + "','" + lbladd.Caption + "','" + lblmobile.Caption +
        "','" + lblreceipt.Caption + "','" + lblStatus.Caption + "','" + lblrefno.Caption + "','" +
        lblabbill.Caption + "','" + txtRegFee.Text + "','" + txtservicenm.Text + "','" + txtdeptid.Text +
        "')"
        Set rs = conn.Execute(sql)
        Set DataGrid2.DataSource = Adodc2.Recordset
        Adodc2.RecordSource = "SELECT * FROM tbl_Registration where ipd=''" & txtipd.Text &
        """
        Adodc2.Refresh
        Set DataGrid2.DataSource = Adodc2.Recordset
        Frame2.Visible = True
        MsgBox "record saved !!", vbInformation + vbOKOnly, "DOCTOR's Account"
        txtipd.Text = ""
        Else
            MsgBox "Please fill all mandatory fields !!", vbCritical + vbOKOnly, "Warning"
        End If
    End If
End Sub

```

```

Private Sub cmdSearchUHID_Click()
a = InputBox("Enter Patient Number which you want to search.")
    Adodc1.RecordSource = "select
        d.uhid,d.pno,d.receipt,d.LabReportNo,d.decision,d.servicenm,d.deptid,p.pname,p.pfatherna
        me,p.pdob,p.page,p.pgen,p.pperadd,p.preligion,p.pms,p.pstreet,p.pdistrict,p.pstate,p.ppinc
        ode,p.pmobile,p.refno from tbl_Decision d,tbl_PbasicDetail p where decision like
        '%INPATIENT%' AND d.pno=p.pno and uhid=''" & a & """
    Adodc1.Refresh
    If Adodc1.Recordset.EOF Then
        MsgBox "Patient not found! OR Not fixed appointment!" & vbCrLf & "Please insert
        valid Patient Number.", vbExclamation, "Failed"
    Else
        Text1.Text = a
        MsgBox "Patient found in the database!", vbInformation, "Success"
        lblabbill.Caption = Adodc1.Recordset.Fields(3)

```

```
If Adodc1.Recordset.Fields(20) <> "" Then
    Iblrefno.Caption = Adodc1.Recordset.Fields(20)
Else
    Iblrefno.Caption = ""
End If
If Adodc1.Recordset.Fields(20) <> "" Then
    txtRegFee.Text = 500 - (500 * 20 / 100)
Else
    txtRegFee.Text = "500"
End If
Frame2.Visible = False
Iblpno.Caption = Adodc1.Recordset.Fields(1)
Iblreceipt.Caption = Adodc1.Recordset.Fields(2)
IblUHID.Caption = Iblpno.Caption & Text1.Text & "/" & Iblpno.Caption & txtipd.Text
Iblnm.Caption = Adodc1.Recordset.Fields(7)
Iblfnm.Caption = Adodc1.Recordset.Fields(8)
Ibldob.Caption = Adodc1.Recordset.Fields(9)
Iblage.Caption = Adodc1.Recordset.Fields(10)
If Adodc1.Recordset.Fields(11) = "M" Then
    Check3.Value = 1
    IblSex.Caption = Check3.Caption
End If
If Adodc1.Recordset.Fields(11) = "F" Then
    Check4.Value = 1
    IblSex.Caption = Check4.Caption
End If
Ibladd.Caption = Adodc1.Recordset.Fields(12)
Iblreligion.Caption = Adodc1.Recordset.Fields(13)
If Adodc1.Recordset.Fields(14) = "U" Then
    Check5.Value = 1
End If
If Adodc1.Recordset.Fields(14) = "M" Then
    Check6.Value = 1
End If
Iblstreet.Caption = Adodc1.Recordset.Fields(15)
Ibldistrict.Caption = Adodc1.Recordset.Fields(16)
Iblstate.Caption = Adodc1.Recordset.Fields(17)
Iblpincode.Caption = Adodc1.Recordset.Fields(18)
Iblmobile.Caption = Adodc1.Recordset.Fields(19)
txtservicenm.Text = Adodc1.Recordset.Fields(5)
txtdeptid.Text = Adodc1.Recordset.Fields(6)
```

End If
End Sub

```
Private Sub Form_Load()
    txtdepid.Visible = False
    txtservicenm.Visible = False
    txtRegFee.Enabled = False
    Iblabbill.Enabled = False
    txtipd.Enabled = False
    Frame3.Visible = False
    Frame2.Visible = False
    Text1.Visible = False
    Iblpno.Visible = False
    Iblreceipt.Visible = False
    IblStatus.Visible = False
    IblSex.Visible = False
    Frame1.Visible = False
    Iblrefno.Visible = False
    IblAddress.Caption = "Near Bahadurpur Flyover, Kankarbagh Main Road" & vbCrLf &
    "Kankarbagh, Patna-800 020 | Ph : 0612-2355511" & vbCrLf & "0612-2355500,
    7488272983 | Fax : 0612-2355501" & vbCrLf & "Website :
    www.rajeshwarhospital.com" & vbCrLf & "E-mail : info@rajeshwarhospital.com"
    IblVisit.Caption = "*HAVE YOU EVER VISITED RAJESHWAR HOSPITAL :"
    Label5.Caption = "If Yes, please DONOT fill this form. This form instead contact Front
    Office or Medical Records departments for your UHID number"
    Label6.Caption = "Please note:"
    Label7.Caption = "The patient of his/her attendant need to complete this form.
    Particulars, as filled in this form, will be entered in the" & vbCrLf & "hospital records
    and bills. Hence, please take care to fill in the form with correct and complete particulars."
    & vbCrLf & "" & vbCrLf & "Any correction/alteration on a later date may necessitate
    date verification of documentary evidence, charging" & vbCrLf & "processing fee and
    such other procedures."
    Label10.Caption = "ALL INFORMATION TO BE FILLED ONLY IN BLOCK LETTERS"
    Label10.Alignment = 2
End Sub
```

```
Private Sub M_logout_Click()
    Me.Hide
    HOME
    MDIForm1.M_MENU.Enabled = True
End Sub
```

```
Private Sub M_open_Click()
    Frame1.Visible = True
End Sub
```

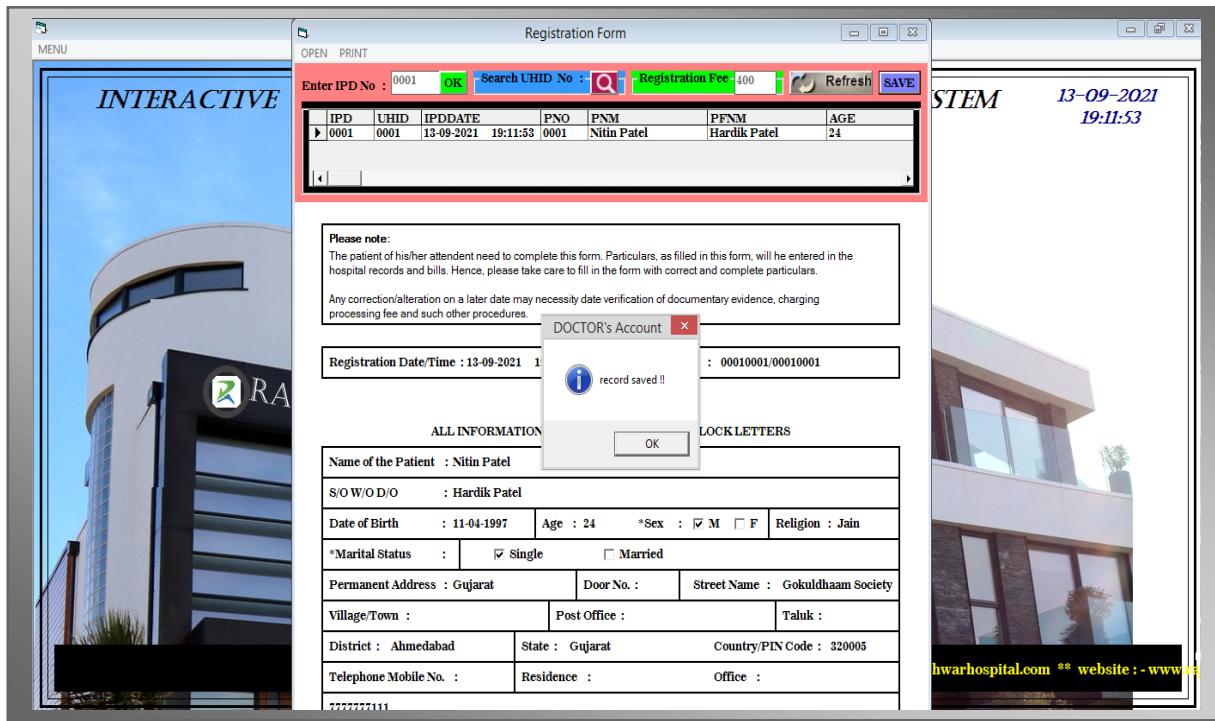
```
Private Sub M_PRINT_Click()
    Frame1.Visible = False
    PrintForm
End Sub
```

```
Private Sub Timer1_Timer()
    lblDateTime.Caption = (Date) & Space(5) & (Time)
End Sub
```

```
Private Sub txtIPD_GotFocus()
    Check3.Value = Unchecked
    Check4.Value = Unchecked
    Check5.Value = Unchecked
    Check6.Value = Unchecked
    txtipd.Text = ""
    lblUHID.Caption = ""
    lblnm.Caption = ""
    lblfnm.Caption = ""
    lbldob.Caption = ""
    lblage.Caption = ""
    lblreligion.Caption = ""
    lblstreet.Caption = ""
    lbdistrict.Caption = ""
    lblstate.Caption = ""
    lblpincode.Caption = ""
    lblmobile.Caption = ""
End Sub
```

```
Private Sub txtIPD_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    cmdOK.SetFocus
End If
End Sub
```

b) Screen Shot:



Step1: Click “OPEN” menu. Then one frame will be display.

Step2: Click “OK” button.

Step3: Click “SAVE” button.

Note: Printable Form. Click “Print” menu.

C) Data Report of Registration Form:

IPD No	UHID	DATE	PATIENT No	PRESCRIPTION RECEIPT No	REFERENCE No	LAB R No	SERVICE NAME
0001	0001	15-09-2021	0001	0001	0004	0001	Neonatal Intensive Care Unit
0002	0003	15-09-2021	0004	0003	0005	0003	Neonatal Intensive Care Unit
0003	0005	15-09-2021	0005	0005		0005	Consultant Physiotherapy

16. Ward/Service Form

a) Code:

```
Public Function Clear()  
  
    Option11(0).Value = False  
  
    Option12(0).Value = False  
  
    Option13(0).Value = False  
  
    Option14(0).Value = False  
  
    Option15(0).Value = False  
  
    Option21(0).Value = False  
  
    Option22(0).Value = False  
  
    Option23(0).Value = False  
  
    Option24(0).Value = False  
  
    Option25(0).Value = False  
  
    Option16(1).Value = False  
  
    Option17(1).Value = False  
  
    Option18(1).Value = False  
  
    Option19(1).Value = False  
  
    Option20(1).Value = False  
  
    txtRoomType.Text = ""  
  
    lblRoomNo.Caption = ""  
  
    lblPtype.Caption = ""  
  
    txtBedNo.Text = ""  
  
    txtPrice.Text = ""  
  
End Function
```

```
Private Sub cmdAdd_Click()
```

Clear

fun

sql = "select receiptno from tbl_WardServices ORDER BY receiptno"

rs.Open sql, conn, adOpenStatic, adLockReadOnly

If Not ((Adodc2.Recordset.EOF = True) Or (Adodc2.Recordset.BOF = True)) Then

rs.MoveLast

Dim uids As String

txtslno.Text = rs(0)

uids = 0

uids = uids + txtslno.Text + 1

txtslno = "000" & uids

txtslno.Text = Format(CInt(uids), "0000")

txtslno.Enabled = False

Else

temp = Mid(txtslno, 2)

i = Val(temp) + 1

temp = Format(i, "000#")

txtslno = temp

txtslno.Enabled = False

End If

End Sub

Private Sub cmdPNOsearch_Click()

Dim DEPT As String

a = InputBox("Enter IPD Number which you want to search.")

```
Adodc1.RecordSource = "SELECT * FROM tbl_Registration where ipd=''" & a & """  
  
Adodc1.Refresh  
  
If Adodc1.Recordset.EOF Then  
  
    MsgBox "IPD Number not found!" & vbCrLf & "Please insert valid Patient Number.  
", vbExclamation, "Failed"  
  
Else  
  
    txtipd.Text = a  
  
    MsgBox "Patient found in the database!", vbInformation, "Success"  
  
    lblUHID.Caption = Adodc1.Recordset.Fields(1)  
  
    lblpno.Caption = Adodc1.Recordset.Fields(3)  
  
    txtService.Text = Adodc1.Recordset.Fields(15)  
  
    txtdeptid.Text = Adodc1.Recordset.Fields(16)  
  
    Frame3.Visible = False  
  
    Frame7.Visible = True  
  
    Frame1.Visible = True  
  
End If  
  
End Sub
```

```
Private Sub cmdSAVE_Click()  
  
    fun  
  
    If txtslno.Text <> "" And txtipd.Text <> "" And lblUHID.Caption <> "" And lblpno.Caption <>  
    "" And txtService.Text <> "" And txtRoomType.Text <> "" And txtBedNo.Text <> "" And  
    txtPrice.Text <> "" Then  
  
        Adodc2.RecordSource = "SELECT * FROM tbl_WardServices where receiptno=''" &  
        txtslno.Text & """  
  
        Adodc2.Refresh  
  
        If Adodc2.Recordset.EOF Then
```

```
sql = "insert into tbl_WardServices values('"+txtslno.Text+"','"+txtipd.Text+"','"+  
+lblUHID.Caption+"','"+lblpno.Caption+"','"+txtService.Text+"','"+txtRoomType.Text +  
"',"+lblRoomNo.Caption+"','"+lblPtype.Caption+"','"+txtBedNo.Text+"','"+  
txtPrice.Text+"','"+Label14.Caption+"','"+lblStatus.Caption+"','"+txtdeptid.Text+"')"  
  
Set rs = conn.Execute(sql)  
  
Set DataGrid2.DataSource = Adodc2.Recordset  
  
Adodc2.RecordSource = "SELECT * FROM tbl_WardServices where receiptno='"+  
txtslno.Text+"'"  
  
Adodc2.Refresh  
  
Set DataGrid2.DataSource = Adodc2.Recordset  
  
MsgBox "record saved !!", vbInformation + vbOKOnly, "DOCTOR's Account"  
  
Frame3.Visible = True  
  
Frame7.Visible = False  
  
txtslno.Text = ""  
  
ComboRoomType.Text = ""  
  
txtService.Text = ""  
  
Clear  
  
txtdeptid.Text = ""  
  
Else  
  
    MsgBox "Please fill all mandatory fields !!", vbCritical + vbOKOnly, "Warning"  
  
End If  
  
End If  
  
End Sub
```

```
Private Sub cmdSearchBedNo_Click()
```

```
    Dim L As Integer
```

```
On Error GoTo errormsg
```

```
Adodc3.RecordSource = "SELECT * FROM tbl_WardServices where Service=''" &
txtService.Text & "" and roomtype=''" & txtRoomType.Text & """"

Adodc3.Refresh

If Adodc3.Recordset.EOF Then

    MsgBox " All Beds are empty!", vbExclamation, "Failed"

    Adodc3.Refresh

Else

    lblMessage.Caption = DataGrid3.VisibleRows

    L = lblMessage.Caption

    Frame4.Visible = True

    MsgBox "There are " & Val(L) & " beds full in this Department...", vbInformation,
"Rajeshwar Hospital"

    Adodc3.RecordSource = "SELECT receiptno,Service,roomtype,bednumber FROM
tbl_WardServices where Service=''" & txtService.Text & "" and roomtype=''" &
txtRoomType.Text & """"

    Adodc3.Refresh

End If

errmsg:

End Sub
```

```
Private Sub ComboRoomType_Click()

If ComboRoomType.Text = "Special Ward" Then

    lblRoomNo.Caption = "SW I"

    lblPtype.Caption = "Special"

    txtRoomType.Text = ComboRoomType.Text

    txtPrice.Text = "4000"

    Frame5.Visible = True
```

```
FrameDeluxe.Visible = True  
  
FrameAC.Visible = False  
  
FrameNAC.Visible = False  
  
End If  
  
If ComboRoomType.Text = "General Ward AC" Then  
  
    lblRoomNo.Caption = "GW I"  
  
    lblPtype.Caption = "General AC"  
  
    txtRoomType.Text = ComboRoomType.Text  
  
    txtPrice.Text = "3000"  
  
    Frame5.Visible = True  
  
    FrameDeluxe.Visible = False  
  
    FrameAC.Visible = True  
  
    FrameNAC.Visible = False  
  
End If  
  
If ComboRoomType.Text = "General Ward Non AC" Then  
  
    lblRoomNo.Caption = "GW II"  
  
    lblPtype.Caption = "General"  
  
    txtRoomType.Text = ComboRoomType.Text  
  
    txtPrice.Text = "2200"  
  
    Frame5.Visible = True  
  
    FrameDeluxe.Visible = False  
  
    FrameAC.Visible = False  
  
    FrameNAC.Visible = True  
  
End If  
  
End Sub
```

```
Private Sub Form_Load()
    m_update.Enabled = False
    Label7.Visible = False
    Clear
    txtdeptid.Enabled = False
    txtService.Enabled = False
    ComboRoomType.AddItem "Special Ward"
    ComboRoomType.AddItem "General Ward AC"
    ComboRoomType.AddItem "General Ward Non AC"
    Frame3.Visible = False
    Frame4.Visible = False
    Frame5.Visible = True
    FrameDeluxe.Visible = False
    FrameAC.Visible = False
    FrameNAC.Visible = False
    Frame1.Visible = False
    Frame7.Visible = True
    txtipd.Visible = False
    lblUHID.Visible = False
    lblpno.Visible = False
    txtRoomType.Visible = False
    lblStatus.Visible = False
    lblRoomNo.Visible = False
    lblPtype.Visible = False
    txtBedNo.Visible = False
    txtSlno.Enabled = False
```

End Sub

Private Sub M_logout_Click()

Me.Hide

HOME

MDIForm1.M_MENU.Enabled = True

End Sub

Private Sub M_update_Click()

a = InputBox("Enter Appointment Number which you want to search.")

Adodc2.RecordSource = "SELECT * FROM tbl_WardServices where receiptno= '" & a &
"'"

Adodc2.Refresh

Set DataGrid2.DataSource = Adodc2.Recordset

If Adodc2.Recordset.EOF Then

MsgBox "Receipt Number not found!" & vbCrLf & "Please insert valid Receipt
Number. ", vbExclamation, "Failed"

Else

Adodc2.Recordset.Fields(11) = Label7.Caption

MsgBox "Record updated successfully!", vbOKOnly + vbInformation, "Update
successful!"

Adodc2.Recordset.Update

Set DataGrid2.DataSource = Adodc2.Recordset

End If

End Sub

Private Sub Option11_Click(Index As Integer)

```
txtBedNo.Text = "1"
```

```
End Sub
```

```
Private Sub Option12_Click(Index As Integer)
```

```
txtBedNo.Text = "2"
```

```
End Sub
```

```
Private Sub Option13_Click(Index As Integer)
```

```
txtBedNo.Text = "3"
```

```
End Sub
```

```
Private Sub Option14_Click(Index As Integer)
```

```
txtBedNo.Text = "4"
```

```
End Sub
```

```
Private Sub Option15_Click(Index As Integer)
```

```
txtBedNo.Text = "5"
```

```
End Sub
```

```
Private Sub Option16_Click(Index As Integer)
```

```
txtBedNo.Text = "6"
```

```
End Sub
```

```
Private Sub Option17_Click(Index As Integer)
```

```
txtBedNo.Text = "7"
```

```
End Sub
```

```
Private Sub Option18_Click(Index As Integer)
```

```
txtBedNo.Text = "8"  
End Sub  
  
Private Sub Option19_Click(Index As Integer)  
    txtBedNo.Text = "9"  
End Sub  
  
Private Sub Option20_Click(Index As Integer)  
    txtBedNo.Text = "10"  
End Sub  
  
Private Sub Option21_Click(Index As Integer)  
    txtBedNo.Text = "11"  
End Sub  
  
Private Sub Option22_Click(Index As Integer)  
    txtBedNo.Text = "12"  
End Sub  
  
Private Sub Option23_Click(Index As Integer)  
    txtBedNo.Text = "13"  
End Sub  
  
Private Sub Option24_Click(Index As Integer)  
    txtBedNo.Text = "14"  
End Sub  
  
Private Sub Option25_Click(Index As Integer)  
    txtBedNo.Text = "15"  
End Sub
```

```
Private Sub Timer1_Timer()
```

```
    If Time > "12:00:00" Then
```

```
        Label14.Caption = Date & Space(5) & Time & Space(5) & "PM"
```

```
    End If
```

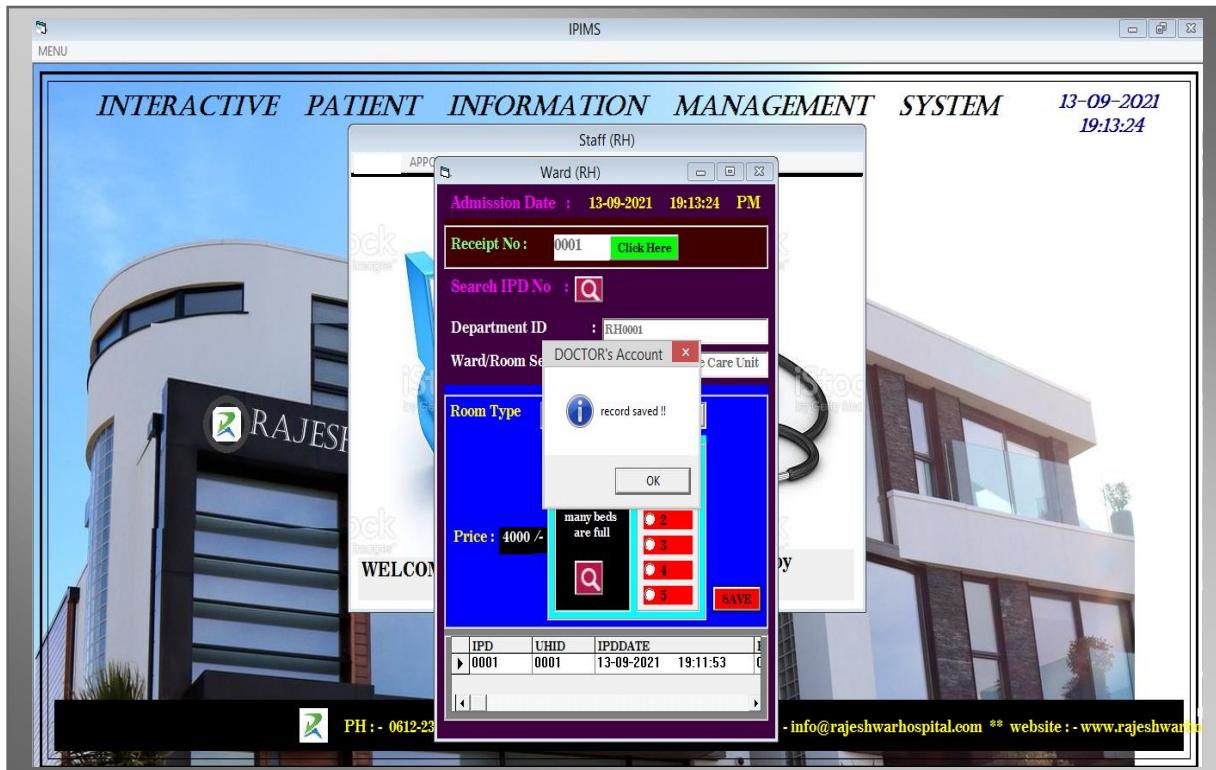
```
    If Time < "12:00:00" Then
```

```
        Label14.Caption = Date & Space(5) & Time & Space(5) & "AM"
```

```
    End If
```

```
End Sub
```

b) Screen Shot:



Step1: Click “Click Here” button.

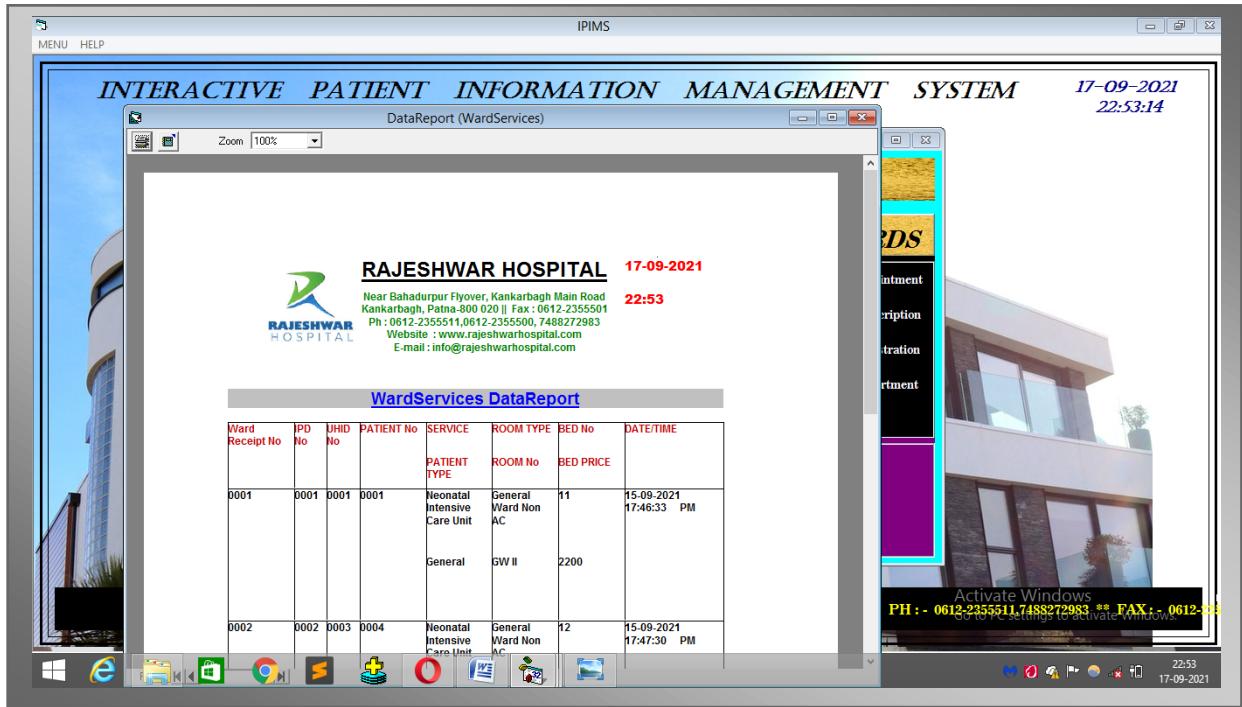
Step2: Search “IPD No.”

Step3: Select “Room Type”

Step4: Click “SAVE” Button.

Note: User can see bed status.

C) Ward/Services Data Report:



17. Treatment Form

a) Code:

```

Private Sub cmdA1_Click()
    fun
    Set rs = New ADODB.Recordset
    rs.Open "select * from tbl_Treatment order by billno", conn, 3, 3
    Dim num1 As String * 4
    Dim num2 As Long
    With rs
        If rs.EOF Then
            num1 = "0001"
            txtA.Text = num1
        Else
            rs.MoveLast
            num2 = Right(!billno, 3) + 1
            num1 = Right("000" & num2, 4)
        End If
        txtA.Text = num1
    End With
    Set rs = Nothing

```

```
Label8.Visible = True
txtadd.Visible = True
End Sub

Private Sub cmdA2_Click()
Dim a As Integer
Set rs = New ADODB.Recordset
rs.Open "select * from tbl_Treatment order by billno", conn, 3, 3
Dim num1 As String * 4
Dim num2 As Long
With rs
If rs.EOF Then
    num1 = "0001"
    Text2.Text = num1 + 1
Else
    rs.MoveLast
    num2 = Right(!billno, 3) + 1
    num1 = Right("000" & num2, 4)
End If
Text2.Text = num1 + 1
Label30.Caption = Text2.Text
' .....
a = Len(Label30.Caption)
Label30.Caption = a
If Label30.Caption = "1" Then
    Text2.Text = "000" & Text2.Text
End If
If Label30.Caption = "2" Then
    Text2.Text = "00" & Text2.Text
End If
If Label30.Caption = "3" Then
    Text2.Text = "0" & Text2.Text
End If
' .....
End With
Set rs = Nothing
End Sub
```

```
Private Sub cmdBillNo_Click()
fun
Set rs = New ADODB.Recordset
```

```
rs.Open "select * from tbl_Treatment order by billno", conn, 3, 3
Dim num1 As String * 4
Dim num2 As Long
Dim a As Integer
With rs
If rs.EOF Then
    num1 = "0001"
    Text4.Text = num1 + 2
Else
    rs.MoveLast
    num2 = Right(!billno, 3) + 1
    num1 = Right("000" & num2, 4)
End If
Text4.Text = num1 + 2
Label31.Caption = Text4.Text
' .....
a = Len(Label31.Caption)
Label31.Caption = a
If Label31.Caption = "1" Then
    Text4.Text = "000" & Text4.Text
End If
If Label31.Caption = "2" Then
    Text4.Text = "00" & Text4.Text
End If
If Label31.Caption = "3" Then
    Text4.Text = "0" & Text4.Text
End If
' .....
End With
Set rs = Nothing
End Sub
```

```
Private Sub cmdBillNumber_Click()
Set rs = New ADODB.Recordset
rs.Open "select * from tbl_Treatment order by billno", conn, 3, 3
Dim num1 As String * 4
Dim num2 As Long
Dim a As Integer
With rs
If rs.EOF Then
    num1 = "0001"
```

```
Text1.Text = num1 + 3
Else
    rs.MoveLast
    num2 = Right(!billno, 3) + 1
    num1 = Right("000" & num2, 4)
End If
Text1.Text = num1 + 3
Label32.Caption = Text1.Text
' .....
a = Len(Label32.Caption)
Label32.Caption = a
If Label32.Caption = "1" Then
    Text1.Text = "000" & Text1.Text
End If
If Label32.Caption = "2" Then
    Text1.Text = "00" & Text1.Text
End If
If Label32.Caption = "3" Then
    Text1.Text = "0" & Text1.Text
End If
' .....
End With
Set rs = Nothing
End Sub
```

```
Public Function optClean()
    txtDr_visit.Text = ""
    txtCharge.Text = ""
    ComboTimes.Text = ""
    DTPicker1.Value = Date
End Function
```

```
Public Function Clears()
    Frame1.Visible = False
    Frame11.Visible = False
    Frame7.Visible = False
    Option1.Value = False
    Option2.Value = False
    Text2.Text = ""
    Text3.Text = ""
    Text4.Text = ""
```

```
Text5.Text = ""  
DTPicker2.Value = Date  
DTPicker3.Value = Date  
txtA.Text = ""  
Text1.Text = ""  
txtipd.Text = ""  
txtUHID.Text = ""  
txtpno.Text = ""  
txtreceipt.Text = ""  
txtnm.Text = ""  
txtnm.Text = ""  
txtage.Text = ""  
txtsex.Text = ""  
txtadd.Text = ""  
txtmobile.Text = ""  
txtService.Text = ""  
txtRoomtype.Text = ""  
txtRoomNo.Text = ""  
txtPtype.Text = ""  
txtBedno.Text = ""  
txtPrice.Text = ""  
txtdate.Text = ""  
lblDnm1.Caption = ""  
lblDdate1.Caption = ""  
lblDcharge1.Caption = ""  
lblDt1.Caption = ""  
lbltotal1.Caption = ""  
lblDnm2.Caption = ""  
lblDdate2.Caption = ""  
lblDcharge2.Caption = ""  
lblDt2.Caption = ""  
lbltotal2.Caption = ""  
labbillno.Caption = ""  
lblrefno.Caption = ""  
txtDr_visit.Text = ""  
txtCharge.Text = ""  
ComboTimes.Text = ""  
DTPicker1.Value = Date  
End Function
```

```
Private Sub cmdIPDsearch_Click()
```

```
txtdept.Text = ""  
On Error GoTo errormsg  
a = InputBox("Enter Patient IPD Number which you want to search.")  
Adodc1.RecordSource = "select  
w.receiptno,w.UHID,w.pno,w.wdatetime,w.Service,w.roomtype,w.Ptype,w.roomno,w.bedn  
umber,w.price,w.status,w.deptid,r.ipd,r.pnm,r.pfnm,r.age,r.sex,r.pperadd,r.mobile,r.refno,r  
.LabReportNo from tbl_WardServices w,tbl_Registration r where w.UHID = r.uhid and  
w.receiptno="" & a & "" AND w.status like '%Done%"'  
Adodc1.Refresh  
If Adodc1.Recordset.EOF Then  
    MsgBox "Patient not found!" & vbCrLf & "Please insert valid Patient Number.",  
vbExclamation, "Failed"  
Else  
    Frame9.Visible = False  
    Frame7.Visible = True  
    txtreceipt.Text = a  
    MsgBox "Patient found in the database!", vbInformation, "Success"  
    txtUHID.Text = Adodc1.Recordset.Fields(1)  
    txtdept.Text = Adodc1.Recordset.Fields(11)  
    txtdept.Enabled = False  
    txtService.Text = Adodc1.Recordset.Fields(4)  
    txtUHID.Enabled = False  
    txtipd.Text = Adodc1.Recordset.Fields(12)  
    txtipd.Enabled = False  
    txtpno.Text = Adodc1.Recordset.Fields(2)  
    txtpno.Enabled = False  
    txtnm.Text = Adodc1.Recordset.Fields(13)  
    txtnm.Enabled = False  
    txtfnm.Text = Adodc1.Recordset.Fields(14)  
    txtfnm.Enabled = False  
    txtage.Text = Adodc1.Recordset.Fields(15)  
    txtage.Enabled = False  
    txtsex.Text = Adodc1.Recordset.Fields(16)  
    txtsex.Enabled = False  
    txtadd.Text = Adodc1.Recordset.Fields(17)  
    txtadd.Enabled = False  
    txtmobile.Text = Adodc1.Recordset.Fields(18)  
    txtmobile.Enabled = False  
    txtdate.Text = Adodc1.Recordset.Fields(3)  
    txtdate.Enabled = False  
    txtService.Enabled = False
```

```

txtRoomtype.Text = Adodc1.Recordset.Fields(5)
txtRoomtype.Enabled = False
txtRoomNo.Text = Adodc1.Recordset.Fields(7)
txtRoomNo.Enabled = False
txtPtype.Text = Adodc1.Recordset.Fields(6)
txtPtype.Enabled = False
txtBedno.Text = Adodc1.Recordset.Fields(8)
txtBedno.Enabled = False
txtPrice.Text = Adodc1.Recordset.Fields(9)
txtPrice.Enabled = False
Frame7.Visible = True
If Adodc1.Recordset.Fields(19) <> "" Then
    lblrefno.Caption = Adodc1.Recordset.Fields(19)
Else
    lblrefno.Caption = ""
End If
labbillno.Caption = Adodc1.Recordset.Fields(20)
End If
If Adodc1.Recordset.Fields(5) = "Special Ward" Then
    txtNcharge.Text = "1200"
End If
If Adodc1.Recordset.Fields(5) = "General Ward Non AC" Then
    txtNcharge.Text = "200"
End If
If Adodc1.Recordset.Fields(5) = "General Ward AC" Then
    txtNcharge.Text = "600"
End If
errmsg:
End Sub

Private Sub cmdOK_Click()
fun
If Text1.Text <> "" And txtA.Text <> "" And Text2.Text <> "" And Text3.Text <> "" And
Text4.Text <> "" And Text5.Text <> "" And txtOcharge.Text <> "" And txtNcharge.Text <> ""
Then
    Adodc2.RecordSource = "SELECT * FROM tbl_Treatment where billno= '" & Text1.Text & "'"
    Adodc2.Refresh
    If Adodc2.Recordset.EOF Then
        sql = "insert into tbl_Treatment values('" + Text1.Text + "','" + txtipd.Text + "','" +
        txtUHID.Text + "','" + txtpno.Text + "','" + txtreceipt.Text + "','" + txtnm.Text + "','" +
        txtfnm.Text + "','" + txtage.Text + "','" + txtsex.Text + "','" + txtadd.Text + "','" + txtmobile.Text

```

```

+ "','" + txtService.Text + "','" + txtRoomtype.Text + "','" + txtRoomNo.Text + "','" +
txtPtype.Text + "','" + txtBedno.Text + "','" + txtPrice.Text + "','" + txtdate.Text + "','" +
labbillno.Caption + "','" + lblrefno.Caption + "','" + txtA.Text + "','" + lblAd1.Caption + "','" +
Text3.Text + "','" + Text2.Text + "','" + lblAd2.Caption + "','" + Text5.Text + "','" + Text4.Text +
"','" + lblDnm1.Caption + "','" + lblDdate1.Caption + "','" + lblDcharge1.Caption + "','" +
lblDt1.Caption + "','" + lbltotal1.Caption + "','" + lblDnm2.Caption + "','" + lblDdate2.Caption +
"','" + lblDcharge2.Caption + "','" + lblDt2.Caption + "','" + lbltotal2.Caption + "','" +
txtOcharge.Text + "','" + txtNcharge.Text + "','" + txtstatus.Text + "')"

Set rs = conn.Execute(sql)
Set DataGrid2.DataSource = Adodc2.Recordset
Adodc2.RecordSource = "SELECT * FROM tbl_Treatment where billno=''" & Text1.Text &
"''"
Adodc2.Refresh
Set DataGrid2.DataSource = Adodc2.Recordset
Frame9.Visible = True
MsgBox "record saved !!", vbInformation + vbOKOnly, "DOCTOR's Account"
txtA.Text = ""
Frame6.Visible = False
txtreceipt.Text = ""
txtdept.Text = ""
Frame13.Visible = False
Option1.Value = False
Option2.Value = False
Option3.Value = False
Clears
Form14.Show
Form14.m_update.Enabled = True
Else
    MsgBox "Please fill all mandatory fields !!", vbCritical + vbOKOnly, "Warning"
End If
End If
End Sub

```

```
Private Sub cmdSearchDoctorName_Click()
```

```

    Frame9.Visible = True
    Frame13.Visible = True
End Sub

```

```
Public Function cmd()
```

```
Dim L As Integer
```

```
Adodc2.Refresh
```

```
If Adodc2.Recordset.EOF Then
    MsgBox "No Doctor's Available. ", vbExclamation, "Failed"
Else
    lblMessage.Caption = DataGrid2.VisibleRows
    L = lblMessage.Caption
    MsgBox "There are " & Val(L) & " Doctors in this Department... ", vbInformation,
"Rajeshwar Hospital"
    Frame1.Visible = True
    Frame6.Visible = False
    Frame3.Visible = False
End If
End Function
```

```
Private Sub Command1_Click()
    Adodc2.RecordSource = "SELECT deptid,servicenm,dname FROM tbl_DrDetail where
deptid='' & txtdept.Text & "" AND servicenm like '%Neonatal Intensive Care Unit%'"
    Adodc2.Refresh
    Set DataGrid2.DataSource = Adodc2.Recordset
    Frame9.Visible = True
    cmd
    cmd
End Sub
```

```
Private Sub Command10_Click()
    Adodc2.Refresh
    Adodc2.RecordSource = "SELECT deptid,servicenm,dname FROM tbl_DrDetail where
deptid='' & txtdept.Text & "" AND servicenm like '%Covid-19%'"
    Frame9.Visible = True
    cmd
    cmd
End Sub
```

```
Private Sub Command11_Click()
    Adodc2.RecordSource = "SELECT deptid,servicenm,dname FROM tbl_DrDetail where
deptid='' & txtdept.Text & "" AND servicenm like '%Critical Care Unit%'"
    Adodc2.Refresh
    Set DataGrid2.DataSource = Adodc2.Recordset
    Frame9.Visible = True
    cmd
    cmd
End Sub
```

```
Private Sub Command2_Click()
    Adodc2.RecordSource = "SELECT deptid,servicenm,dname FROM tbl_DrDetail where
deptid=''" & txtdept.Text & "" AND servicenm like '%New Born and Pediatric ICU%'"
    Adodc2.Refresh
    Set DataGridView2.DataSource = Adodc2.Recordset
    Frame9.Visible = True
    cmd
    cmd
End Sub
```

```
Private Sub Command4_Click()
    Adodc2.RecordSource = "SELECT deptid,servicenm,dname FROM tbl_DrDetail where
deptid=''" & txtdept.Text & "" AND servicenm like '%Hand Therapy%'"
    Adodc2.Refresh
    Set DataGridView2.DataSource = Adodc2.Recordset
    Frame9.Visible = True
    cmd
    cmd
End Sub
```

```
Private Sub Command5_Click()
    Adodc2.RecordSource = "SELECT deptid,servicenm,dname FROM tbl_DrDetail where
deptid=''" & txtdept.Text & "" AND servicenm like '%Consultant Physiotherapy%'"
    Adodc2.Refresh
    Set DataGridView2.DataSource = Adodc2.Recordset
    Frame9.Visible = True
    cmd
    cmd
End Sub
```

```
Private Sub Command6_Click()
    Adodc2.RecordSource = "SELECT deptid,servicenm,dname FROM tbl_DrDetail where
deptid=''" & txtdept.Text & "" AND servicenm like '%Functional Physiotherapy%'"
    Adodc2.Refresh
    Set DataGridView2.DataSource = Adodc2.Recordset
    Frame9.Visible = True
    cmd
    cmd
End Sub
```

```
Private Sub Command7_Click()
    Adodc2.RecordSource = "SELECT deptid,servicenm,dname FROM tbl_DrDetail where
deptid="" & txtdept.Text & "" AND servicenm like '%Trauma Center%'"
    Adodc2.Refresh
    Set DataGridView2.DataSource = Adodc2.Recordset
    Frame9.Visible = True
    cmd
    cmd
End Sub
```

```
Private Sub Command8_Click()
    Adodc2.RecordSource = "SELECT deptid,servicenm,dname FROM tbl_DrDetail where
deptid="" & txtdept.Text & "" AND servicenm like '%Ophthalmology%'"
    Adodc2.Refresh
    Set DataGridView2.DataSource = Adodc2.Recordset
    Frame9.Visible = True
    cmd
    cmd
End Sub
```

```
Private Sub Command9_Click()
    Adodc2.RecordSource = "SELECT deptid,servicenm,dname FROM tbl_DrDetail where
deptid="" & txtdept.Text & "" AND servicenm like '%Surgery%'"
    Adodc2.Refresh
    Set DataGridView2.DataSource = Adodc2.Recordset
    Frame9.Visible = True
    cmd
    cmd
End Sub
```

```
Public Function cmd()
    Dim sql As String
    sql = "SELECT deptid,servicenm,dname FROM tbl_DrDetail"
    Adodc1.RecordSource = sql
    Adodc1.Refresh
End Function
```

```
Private Sub Form_Load()
    lblMessage.Visible = False
    m_update.Enabled = False
    Label35.Visible = False
End Sub
```

```
Label30.Visible = False
Label31.Visible = False
Label32.Visible = False
txtreceipt.Visible = False
Frame13.Visible = False
Text2.Enabled = False
Text4.Enabled = False
txtNcharge.Enabled = False
lblAd1.Visible = False
lblAd2.Visible = False
labbillno.Visible = False
lblrefno.Visible = False
txtstatus.Visible = False
Frame11.Visible = False
Frame1.Visible = False
Frame4.Visible = True
Frame9.Visible = False
Frame6.Visible = False
Frame7.Visible = False
Label8.Visible = False
txtadd.Visible = False
ComboTimes.AddItem "1"
ComboTimes.AddItem "2"
ComboTimes.AddItem "3"
ComboTimes.AddItem "4"
ComboTimes.AddItem "5"
txtipd.Enabled = False
Text1.Enabled = False
txtA.Enabled = False
DTPicker1.Value = Date
DTPicker2.Value = Date
DTPicker3.Value = Date
End Sub
```

```
Private Sub M_logout_Click()
Me.Hide
HOME
MDIForm1.M_MENU.Enabled = True
End Sub
```

```
Private Sub M_update_Click()
```

```
a = InputBox("Enter Bill Number which you want to search.")  
Adodc2.RecordSource = "SELECT * FROM tbl_Treatment where billno = '" & a & "'"  
Adodc2.Refresh  
Set DataGrid2.DataSource = Adodc2.Recordset  
If Adodc2.Recordset.EOF Then  
    MsgBox "Bill Number not found!" & vbCrLf & "Please insert valid Bill Number.",  
vbExclamation, "Failed"  
Else  
    Adodc2.Recordset.Fields(39) = Label35.Caption  
    MsgBox "Record updated successfully!", vbOKOnly + vbInformation, "Update  
successful!"  
    Adodc2.Recordset.Update  
    Frame9.Visible = True  
    Set DataGrid2.DataSource = Adodc2.Recordset  
End If  
End Sub
```

```
Private Sub optDrVisit1_Click()  
If optDrVisit1.Enabled = True Then  
    lblDnm1.Caption = txtDr_visit.Text  
    lblDcharge1.Caption = txtCharge.Text  
    lblDdate1.Caption = DTPicker1.Value  
    lblDt1.Caption = ComboTimes.Text  
    lbltotal1.Caption = txtCharge.Text * ComboTimes.Text  
    Frame3.Visible = True  
    Option4.Value = False  
    optClean  
End If  
End Sub
```

```
Private Sub optDrVisit2_Click()  
If optDrVisit2.Enabled = True Then  
    lblDnm2.Caption = txtDr_visit.Text  
    lblDcharge2.Caption = txtCharge.Text  
    lblDdate2.Caption = DTPicker1.Value  
    lblDt2.Caption = ComboTimes.Text  
    lbltotal2.Caption = txtCharge.Text * ComboTimes.Text  
    Option5.Value = False  
    optClean  
End If  
End Sub
```

```
Private Sub Option1_Click()
    IblAd1.Caption = DTPicker2.Value
    Frame11.Visible = True
End Sub
```

```
Private Sub Option2_Click()
    IblAd2.Caption = DTPicker3.Value
    Frame1.Visible = True
    optDrVisit1.Value = False
    optDrVisit2.Value = False
    Option4.Value = False
    Option5.Value = False
End Sub
```

```
Private Sub Option3_Click()
    Frame6.Visible = True
End Sub
```

```
Private Sub Option4_Click()
If Option4.Enabled = True Then
    IblDnm1.Caption = ""
    IblDdate1.Caption = ""
    IblDcharge1.Caption = ""
    IblDt1.Caption = ""
    Ibltotal1.Caption = ""
    optDrVisit1.Value = False
End If
End Sub
```

```
Private Sub Option5_Click()
If Option5.Enabled = True Then
    IblDnm2.Caption = ""
    IblDdate2.Caption = ""
    IblDcharge2.Caption = ""
    IblDt2.Caption = ""
    Ibltotal2.Caption = ""
    optDrVisit2.Value = False
End If
End Sub
```

```
Private Sub Text3_KeyPress(KeyAscii As Integer)
```

```
Select Case KeyAscii
```

```
    Case 48 To 57, 8
```

```
        'Let these key codes pass through
```

```
    Case Else
```

```
        'All others get trapped
```

```
        MsgBox "Only numbers are allowed."
```

```
        KeyAscii = 0
```

```
End Select
```

```
End Sub
```

```
Private Sub Text5_KeyPress(KeyAscii As Integer)
```

```
Select Case KeyAscii
```

```
    Case 48 To 57, 8
```

```
        'Let these key codes pass through
```

```
    Case Else
```

```
        'All others get trapped
```

```
        MsgBox "Only numbers are allowed."
```

```
        KeyAscii = 0
```

```
End Select
```

```
End Sub
```

```
Private Sub Text5_LostFocus()
```

```
    txtOcharge.Text = Text5.Text
```

```
    txtOcharge.Enabled = False
```

```
End Sub
```

```
Private Sub txtcharge_KeyPress(KeyAscii As Integer)
```

```
Select Case KeyAscii
```

```
    Case 48 To 57, 8
```

```
        'Let these key codes pass through
```

```
    Case Else
```

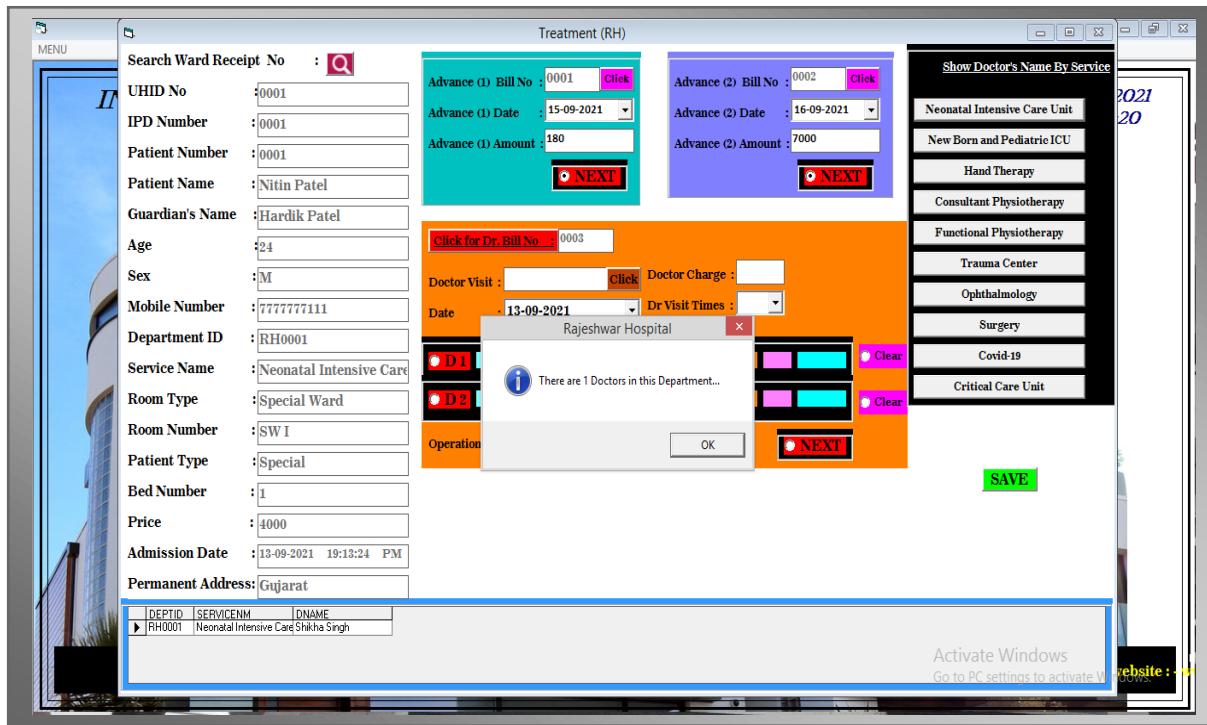
```
        'All others get trapped
```

```
        MsgBox "Only numbers are allowed."
```

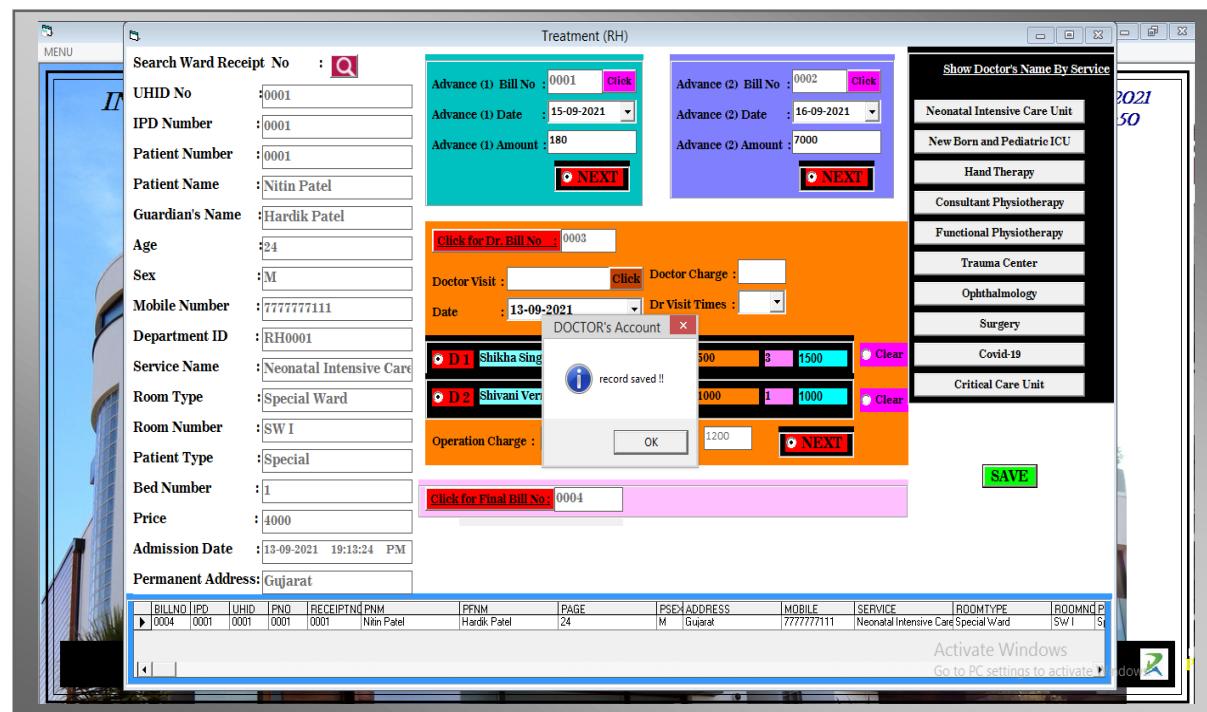
```
        KeyAscii = 0
```

```
End Select
```

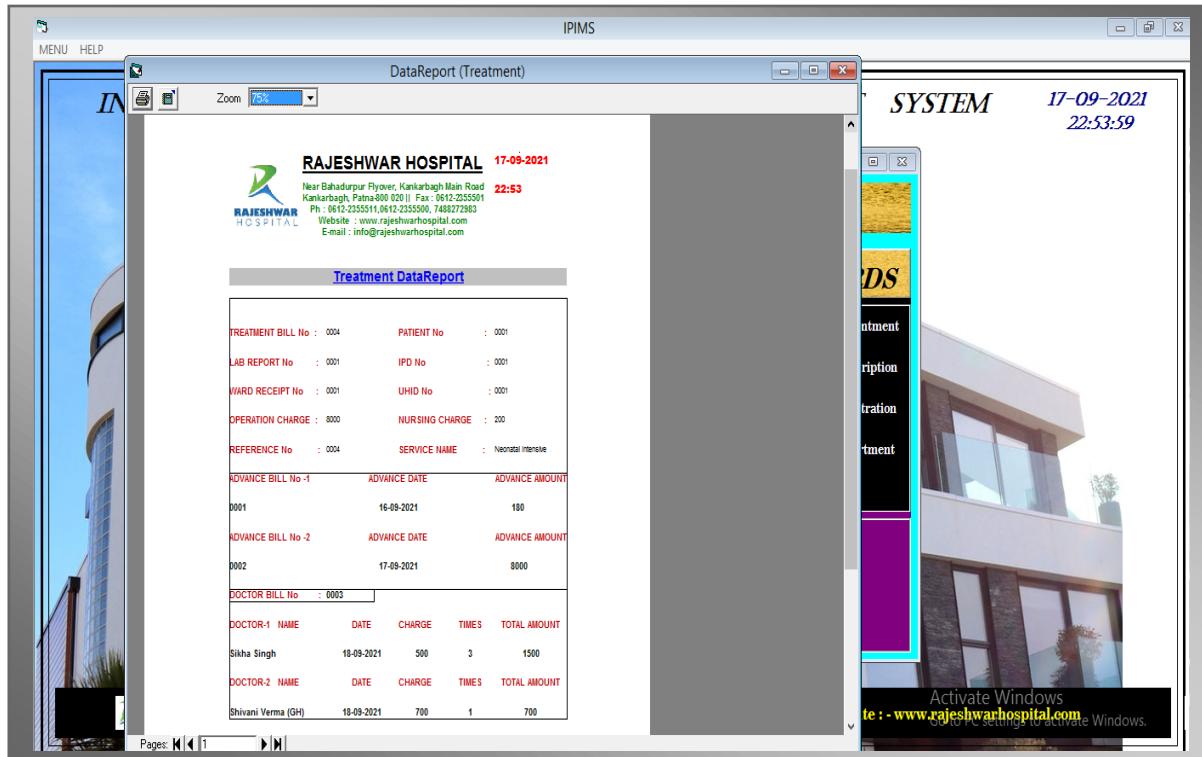
```
End Sub
```

b) Screen Shot:


Step1: Search Ward Receipt No. Related data will be display and First advance frame will also be display. Fill all fields then click on “Next” option. Same process will be applied on next frame. After click second “Next” option next frame will be open. Now if user wants to see how many doctors are there in which service, then user will click on the “Click” button and a frame will open. Now in the field named service name, the button of the same name has to be clicked in the service name that is been displayed. Then one massage box will be display in which it will be written that how many doctors are there in that service and that doctor’s detail will also be show in data grid. Now fill all mandatory fields in this frame and click “Next” option. After click next option one new frame will be open. Now click “click for final bill no” and then click “Save” button.



C) Treatment Data Report



18. Discharge Bill Form

a) Code:

```
Private Sub cmdLogout_Click()
Me.Hide
HOME
MDIForm1.M_MENU.Enabled = True
End Sub
```

```
Private Sub cmdPrint_Click()
Frame1.Visible = False
PrintForm
End Sub
```

```
Private Sub cmdSAVE_Click()
fun
If txtDischargeBillno.Text <> "" And Text1.Text <> "" And lblpaymentmode.Caption <> "" And
lblDischargetype.Caption <> "" And Label159.Caption <> "" Then
```

```

Adodc2.RecordSource = "SELECT * FROM tbl_Dischargebill where dbillno=''" &
txtDischargeBillno.Text & """
Adodc2.Refresh
If Adodc2.Recordset.EOF Then
    sql = "insert into tbl_Dischargebill values('' + txtDischargeBillno.Text + '','' + Text1.Text
+ '','' + IblDdate.Caption + ',' + Label164.Caption + ',' + Label163.Caption + ',' +
Label162.Caption + ',' + Label161.Caption + ',' + Label160.Caption + ',' + Label159.Caption
+ ',' + Label171.Caption + ',' + Iblbillpreparedtime.Caption + '','' +
Iblpaymentmode.Caption + ',' + IblDischargetype.Caption + ',' + Label154.Caption + ',' +
txtstatus.Text + '')"
    Set rs = conn.Execute(sql)
    Set DataGrid2.DataSource = Adodc2.Recordset
    Adodc2.RecordSource = "SELECT * FROM tbl_Dischargebill where dbillno=''" &
txtDischargeBillno.Text & """
    Adodc2.Refresh
    Set DataGrid2.DataSource = Adodc2.Recordset
    Frame1.Visible = True
    MsgBox "record saved !!", vbInformation + vbOKOnly
    DataGrid1.Visible = False
    Frame5.Visible = True
    txtDischargeBillno.Text = """
    Form13.Visible = True
    Form13.m_update.Enabled = True
    Form8.Visible = True
    Form8.m_update.Enabled = True
    Else
        MsgBox "Please fill all mandatory fields !!", vbCritical + vbOKOnly, "Warning"
    End If
End If
End Sub

```

```

Private Sub cmdSearchBillNo_Click()
a = InputBox("Enter Bill Number which you want to search.")
    Adodc1.RecordSource = "select
t.billno,t.slno,t.ipd,t.UHID,t.pno,t.receiptno,t.pnm,t.pfnm,t.page,t.psex,t.Address,t.mobile,t.
service,t.roomtype,t.roomno,t.Ptype,t.bednumber,t.price,t.admissiondate,t.visited_Dr1_nm
,t.dr1_billdate,t.dr1_charge,t.dr1_visit_times,t.dtotal1,t.visited_Dr2_nm,t.dr2_billdate,t.dr2
_charge,t.dr2_visit_times,t.dtotal2,t.status,t.LabReportNo,t.refno,t.Abill1,t.Adate1,t.Aamou
nt1,t.Abill2,t.Adate2,t.Aamount2,t.Operation_Charge,t.Nurshing_Charge,r.RegFee,l.Idate,l.g
roup1,l.group2,l.group3,l.group4,l.group5,l.labtest1,l.labtest2,l.labtest3,l.labtest4,l.labtest5,
l.charge1,l.charge2,l.charge3,l.charge4,l.charge5,l.total1,l.total2,l.total3,l.total4,l.total5 from

```

```

tbl_Treatment t ,tbl_Registration r,tbl_LabTest l where t.ipd = r.ipd and t.LabReportNo =
l.LabReportNo and billno = "" & a & " AND t.status like "%Done%"

Adodc1.Refresh
If Adodc1.Recordset.EOF Then
    MsgBox "Bill Number not found!" & vbCrLf & "Please insert valid Bill Number. ",
    vbExclamation, "Failed"
Else
    DataGridView1.Visible = True
    Frame5.Visible = False
    Label6.Caption = Adodc1.Recordset.Fields(4) & "/" & txtDischargeBillno.Text
    Text1.Text = a
    Iblipdno.Caption = Adodc1.Recordset.Fields(4) & "/" & Adodc1.Recordset.Fields(2)
    Ibluhidno.Caption = Adodc1.Recordset.Fields(4) & "/" & Adodc1.Recordset.Fields(3)
    Iblpnm.Caption = Adodc1.Recordset.Fields(6)
    Iblpfnm.Caption = Adodc1.Recordset.Fields(7)
    Ibladd.Caption = Adodc1.Recordset.Fields(10)
    Iblroomtype.Caption = Adodc1.Recordset.Fields(13) & " R.No." &
Adodc1.Recordset.Fields(14) & " B.No. " & Adodc1.Recordset.Fields(16)
    Iblptype.Caption = Adodc1.Recordset.Fields(15)
    If Adodc1.Recordset.Fields(31) <> "" Then
        Iblrefno.Caption = Adodc1.Recordset.Fields(31)
    Else
        Iblrefno.Caption = ""
    End If
    Iblbillno.Caption = Adodc1.Recordset.Fields(4) & "/" & Adodc1.Recordset.Fields(0)
    If Adodc1.Recordset.Fields(9) = "M" Then
        Iblagesex.Caption = Adodc1.Recordset.Fields(8) & " Years/ Male"
    Else
        Iblagesex.Caption = Adodc1.Recordset.Fields(8) & " Years/ Female"
    End If
    Iblmobile.Caption = Adodc1.Recordset.Fields(11)
    Ibladmitdatetime.Caption = Adodc1.Recordset.Fields(18)
    Iblcorporate.Caption = Left(Iblptype.Caption, 7)
    Iblreceipt.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(5)
'Lab Bill Date
    Label54.Caption = Left(Adodc1.Recordset.Fields(41), 10)
    Label55.Caption = Left(Adodc1.Recordset.Fields(41), 10)
    Label56.Caption = Left(Adodc1.Recordset.Fields(41), 10)
    Label57.Caption = Left(Adodc1.Recordset.Fields(41), 10)
    Label58.Caption = Left(Adodc1.Recordset.Fields(41), 10)
    Label59.Caption = Left(Adodc1.Recordset.Fields(41), 10)

```

'Lab Bill Number
Label60.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(30)
Label61.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(30)
Label62.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(30)
Label63.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(30)
label9.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(30)
Label65.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(30)
'Lab Service Group
Label66.Caption = Adodc1.Recordset.Fields(42)
Label67.Caption = Adodc1.Recordset.Fields(43)
Label68.Caption = Adodc1.Recordset.Fields(44)
Label69.Caption = Adodc1.Recordset.Fields(45)
Label71.Caption = Adodc1.Recordset.Fields(46)
'Lab Test Name
Label72.Caption = Adodc1.Recordset.Fields(47)
Label73.Caption = Adodc1.Recordset.Fields(48)
Label74.Caption = Adodc1.Recordset.Fields(49)
Label75.Caption = Adodc1.Recordset.Fields(50)
Label77.Caption = Adodc1.Recordset.Fields(51)
'Lab Test Charge
Label78.Caption = Adodc1.Recordset.Fields(52)
Label79.Caption = Adodc1.Recordset.Fields(53)
Label80.Caption = Adodc1.Recordset.Fields(54)
Label81.Caption = Adodc1.Recordset.Fields(55)
lblcharge.Caption = Adodc1.Recordset.Fields(40) & " x 1"
Label83.Caption = Adodc1.Recordset.Fields(56)
'Lab Test Total
Label84.Caption = Adodc1.Recordset.Fields(57) & ".00"
Label85.Caption = Adodc1.Recordset.Fields(58) & ".00"
Label86.Caption = Adodc1.Recordset.Fields(59) & ".00"
Label87.Caption = Adodc1.Recordset.Fields(60) & ".00"
Label88.Caption = Adodc1.Recordset.Fields(40) & ".00"
Label89.Caption = Adodc1.Recordset.Fields(61) & ".00"

'total.....
Label91.Caption = Val(Label84.Caption) + Val(Label85.Caption) + Val(Label86.Caption) +
Val(Label87.Caption) + Val(Label88.Caption) + Val(Label89.Caption) & ".00"
Label92.Caption = "0.00"
Label93.Caption = Label91.Caption
'Advance.....
Label95.Caption = Adodc1.Recordset.Fields(33)

```
Label96.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(32)
Label105.Caption = Adodc1.Recordset.Fields(36)
Label106.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(35)
Label99.Caption = Adodc1.Recordset.Fields(34) & ".00"
Label109.Caption = Adodc1.Recordset.Fields(37) & ".00"
Label101.Caption = Label99.Caption
Label102.Caption = Label92.Caption
Label103.Caption = Label101.Caption
Label111.Caption = Label109.Caption
Label112.Caption = Label92.Caption
Label113.Caption = Label111.Caption
'Doctor .....
Label133.Caption = "Doctor Visit"
Label132.Caption = "Doctor Visit"
Label143.Caption = Adodc1.Recordset.Fields(20)
Label142.Caption = Adodc1.Recordset.Fields(25)
Label139.Caption = Label142.Caption
Label140.Caption = Label142.Caption
Label141.Caption = Label142.Caption
Label128.Caption = Adodc1.Recordset.Fields(19)
Label127.Caption = Adodc1.Recordset.Fields(24)
Label134.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(1)
Label135.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(1)
Label136.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(1)
Label137.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(1)
Label138.Caption = Adodc1.Recordset.Fields(4) & Adodc1.Recordset.Fields(1)
Label131.Caption = Left(lblptype.Caption, 7) & " Services"
Label130.Caption = "IPD"
Label129.Caption = Left(Label18.Caption, 9)
txtfilldate.Text = Left(lblDdate.Caption, 2) - Left(lbladmitdatetime, 2)
If Adodc1.Recordset.Fields(13) = "Special Ward" Then
    txtNcharge.Text = "SW"
    Label125.Caption = "Nurshing Charge For " & (txtNcharge.Text)
    Label119.Caption = "1200" & " x " & txtfilldate.Text
End If
If Adodc1.Recordset.Fields(13) = "General Ward Non AC" Then
    txtNcharge.Text = "GW"
    Label125.Caption = "Nurshing Charge For " & (txtNcharge.Text)
    Label119.Caption = "600 " & "x " & txtfilldate.Text
End If
If Adodc1.Recordset.Fields(13) = "General Ward AC" Then
```

```
txtNcharge.Text = "GW"
Label125.Caption = "Nurshing Charge For " & (txtNcharge.Text)
Label119.Caption = "800 " & "x " & txtfilldate.Text
End If
Label124.Caption = Adodc1.Recordset.Fields(13)
' .....
Label120.Caption = Adodc1.Recordset.Fields(26) & " x " & txtfilldate.Text
Label121.Caption = Adodc1.Recordset.Fields(38) & " x 1"

Label122.Caption = Adodc1.Recordset.Fields(26) & " x " & Adodc1.Recordset.Fields(27)
Label123.Caption = Adodc1.Recordset.Fields(21) & " x " & Adodc1.Recordset.Fields(22)
Label118.Caption = Val(Adodc1.Recordset.Fields(21)) *
Val(Adodc1.Recordset.Fields(22))
Label117.Caption = Val(Adodc1.Recordset.Fields(26)) *
Val(Adodc1.Recordset.Fields(27))
Label116.Caption = Val(Adodc1.Recordset.Fields(38))
Label154.Caption = Val(Label99.Caption) + Val(Label109.Caption)
Label114.Caption = Left(Label119.Caption, 4)
Label115.Caption = Adodc1.Recordset.Fields(26)
Label151.Caption = Val(Label114.Caption) + Val(Label115.Caption) +
Val(Label116.Caption) + Val(Label117.Caption) + Val(Label118.Caption) & ".00"
Label150.Caption = "0.00"
Label149.Caption = Label151.Caption
Label164.Caption = Val(Label91.Caption) + Val(Label149.Caption) & ".00"
Label163.Caption = Val(Label93.Caption) + Val(Label103.Caption) +
Val(Label113.Caption) & ".00"
Label162.Caption = Val(Label164.Caption) - Val(Label163.Caption) & ".00"
Label161.Caption = Right(Label162.Caption, 6)
Label160.Caption = Val(Label162.Caption) - Val(Label161.Caption) & ".00"
Label11.Caption = ":- " & Label160.Caption
Label13.Caption = Label164 * 10 / 100
If lblbillno.Caption <> "" Then
Label161.Caption = Val(Label13.Caption) + Val(Right(Label162.Caption, 6)) & ".00"
Else
Label161.Caption = Right(Label162.Caption, 6)
End If
Label126.Caption = "Operation Charge"
Label97.Caption = "Advance"
Label98.Caption = "Advance"
Label107.Caption = "Advance"
Label108.Caption = "Advance"
```

```
lblConsultant.Caption = "Dr. Rajeshwar Hospital"  
lblipd.Caption = "IPD"  
lbladmissioncharge.Caption = "Admission Charge Day"  
lblDept.Caption = "Medicine"  
MsgBox "Bill Number found in the database!", vbInformation, "Success"  
End If  
End Sub
```

```
Private Sub ComboDischargeType_Click()  
    lblDischargetype.Caption = ComboDischargeType.Text  
End Sub
```

```
Private Sub ComboPaymentMode_Click()  
    lblpaymentmode.Caption = ComboPaymentMode.Text  
End Sub
```

```
Private Sub cmdAdd_Click()  
    fun  
    Set rs = New ADODB.Recordset  
    rs.Open "select * from tbl_Dischargebill order by dbillno", conn, 3, 3  
    Dim num1 As String * 4  
    Dim num2 As Long  
    With rs  
        If rs.EOF Then  
            num1 = "0001"  
            txtDischargeBillno.Text = num1  
        Else  
            rs.MoveLast  
            num2 = Right(!dbillno, 3) + 1  
            num1 = Right("000" & num2, 4)  
        End If  
        txtDischargeBillno.Text = num1  
    End With  
    Set rs = Nothing  
End Sub
```

```
Private Sub cmdClear_Click()  
    ComboPaymentMode.Text = ""  
    ComboDischargeType.Text = ""  
    Label11.Caption = ""
```

Text2.Text = ""
Text3.Text = ""
Label171.Caption = ""
Label126.Caption = ""
Label7.Caption = ""
Label159.Caption = ""
lblipd.Caption = ""
lblpaymentmode.Caption = ""
lbladmissioncharge.Caption = ""
lblDischargetype.Caption = ""
lblConsultant.Caption = ""
lblDept.Caption = ""
Label6.Caption = ""
Text1.Text = ""
lblipdno.Caption = ""
lbluhidno.Caption = ""
lblpnm.Caption = ""
lblpfnm.Caption = ""
lbladd.Caption = ""
lblroomtype.Caption = ""
lblptype.Caption = ""
lblrefno.Caption = ""
lblbillno.Caption = ""
lblagesex.Caption = ""
lblagesex.Caption = ""
lblmobile.Caption = ""
lbladmitdatetime.Caption = ""
lblcorporate.Caption = ""
lblreceipt.Caption = ""
'Lab Bill Date
Label54.Caption = ""
Label55.Caption = ""
Label56.Caption = ""
Label57.Caption = ""
Label58.Caption = ""
Label59.Caption = ""
'Lab Bill Number
Label60.Caption = ""
Label61.Caption = ""
Label62.Caption = ""
Label63.Caption = ""

```
label9.Caption = ""  
Label65.Caption = ""  
'Lab Service Group  
Label66.Caption = ""  
Label67.Caption = ""  
Label68.Caption = ""  
Label69.Caption = ""  
Label71.Caption = ""  
'Lab Test Name  
Label72.Caption = ""  
Label73.Caption = ""  
Label74.Caption = ""  
Label75.Caption = ""  
Label77.Caption = ""  
'Lab Test Charge  
Label78.Caption = ""  
Label79.Caption = ""  
Label80.Caption = ""  
Label81.Caption = ""  
lblcharge.Caption = ""  
Label83.Caption = ""  
'Lab Test Total  
Label84.Caption = ""  
Label85.Caption = ""  
Label86.Caption = ""  
Label87.Caption = ""  
Label88.Caption = ""  
Label89.Caption = ""  
  
'total.....  
Label91.Caption = ""  
Label92.Caption = ""  
Label93.Caption = ""  
'Advance.....  
Label95.Caption = ""  
Label96.Caption = ""  
Label105.Caption = ""  
Label106.Caption = ""  
Label99.Caption = ""  
Label109.Caption = ""  
Label101.Caption = ""
```

```
Label102.Caption = ""  
Label103.Caption = ""  
Label111.Caption = ""  
Label112.Caption = ""  
Label113.Caption = ""  
'Doctor .....  
Label133.Caption = ""  
Label132.Caption = ""  
Label143.Caption = ""  
Label142.Caption = ""  
Label139.Caption = ""  
Label140.Caption = ""  
Label141.Caption = ""  
Label128.Caption = ""  
Label127.Caption = ""  
Label134.Caption = ""  
Label135.Caption = ""  
Label136.Caption = ""  
Label137.Caption = ""  
Label138.Caption = ""  
Label131.Caption = ""  
Label130.Caption = ""  
Label129.Caption = ""  
txtncharge.Text = ""  
Label125.Caption = ""  
Label119.Caption = ""  
Label125.Caption = ""  
Label119.Caption = ""  
txtncharge.Text = ""  
Label125.Caption = ""  
Label119.Caption = ""  
Label124.Caption = ""  
' .....  
Label120.Caption = ""  
Label121.Caption = ""  
Label122.Caption = ""  
Label123.Caption = ""  
Label118.Caption = ""  
Label117.Caption = ""  
Label116.Caption = ""  
Label115.Caption = ""
```

```
Label114.Caption = ""  
Label154.Caption = ""  
Label151.Caption = ""  
Label150.Caption = ""  
Label149.Caption = ""  
Label164.Caption = ""  
Label163.Caption = ""  
Label162.Caption = ""  
Label161.Caption = ""  
Label160.Caption = ""  
Label11.Caption = ""  
Label13.Caption = ""  
lblbillno.Caption = ""  
End Sub  
Private Sub Form_Load()  
Label171.Caption = Form7.Label2.Caption  
Label156.Caption = "Administrator"  
Frame5.Visible = False  
cmdSAVE.Visible = False  
txtstatus.Text = "Close"  
Text1.Visible = False  
Label13.Visible = False  
txtNcharge.Visible = False  
txtfilldate.Visible = False  
txtwardcharge.Visible = False  
txtNcharge.Enabled = False  
lblcharge.Caption = ""  
If Time > "12:00:00" Then  
    lblDdate.Caption = Date & Space(5) & Time & Space(5) & "PM"  
End If  
If Time < "12:00:00" Then  
    lblDdate.Caption = Date & Space(5) & Time & Space(5) & "AM"  
End If  
ComboPaymentMode.AddItem "Cash"  
ComboPaymentMode.AddItem "Mobile Payments"  
ComboPaymentMode.AddItem "Credit Card"  
lblAddress.Caption = "Near Bahadurpur Petrol Pump" & vbCrLf & "Kankarbagh Main  
Road, Patna-20" & vbCrLf & "PH : 0612-2355511, 7488272983 FAX :-0612-2355501 Fax  
: 0612-2355501" & vbCrLf & "E-mail : info@rajeshwarhospital.com website :  
www.rajeshwarhospital.com"  
ComboDischargeType.AddItem "Alive"
```

```
ComboDischargeType.AddItem "Dead"
cmdSAVE.Visible = True
End Sub
Private Sub Text2_KeyPress(KeyAscii As Integer)
Select Case KeyAscii
    Case 48 To 57, 8
        'Let these key codes pass through
    Case 13
        Text3.SetFocus
    Case Else
        'All others get trapped
        MsgBox "Only numbers are allowed."
        KeyAscii = 0
End Select
End Sub
Private Sub Text2_LostFocus()
Label159.Caption = Text2.Text & ".00"
End Sub
Private Sub Text3_KeyPress(KeyAscii As Integer)
Select Case KeyAscii
    Case 65 To 90, 8, 32
        'Let these key codes pass through
    Case 97 To 122, 8, 32
        'Let these key codes pass through
    Case 13
        cmdSAVE.SetFocus
    Case Else
        'All others get trapped
        MsgBox "Only Upper and Lower case alphabets are allowed."
        KeyAscii = 0
End Select
End Sub
Private Sub Text3_LostFocus()
Text3.Text = StrConv(Text3.Text, vbProperCase)
Label7.Caption = "(Paid Rs. " & Text3.Text & " Only)"
End Sub
Private Sub Timer1_Timer()
If Time > "12:00:00" Then
    lblbillpreparedtime.Caption = Time & Space(5) & "PM"
```

```
End If  
If Time < "12:00:00" Then  
    lblbillpreparedtime.Caption = Time & Space(5) & "AM"  
End If  
End Sub
```

b) Screen Shot:

MENU	HELP	  	<input style="width: 100px; height: 25px; border: 1px solid black; border-radius: 5px;" type="text" value="Cash"/>	Paid Amount :- 2000.00	Write In :-	<input style="width: 100px; height: 25px; border: 1px solid black; border-radius: 5px;" type="button" value="Clear"/>																																																																																																																																																																																																													
			<input style="width: 100px; height: 25px; border: 1px solid black; border-radius: 5px;" type="text" value="Alive"/>	<input style="width: 100px; height: 25px; border: 1px solid black; border-radius: 5px;" type="text" value="Numbers 2000"/>	<input style="width: 100px; height: 25px; border: 1px solid black; border-radius: 5px;" type="text" value="Characters Two Thousand"/>	<input style="width: 100px; height: 25px; border: 1px solid black; border-radius: 5px;" type="button" value="SAVE"/>																																																																																																																																																																																																													
		<input style="width: 100px; height: 25px; border: 1px solid black; border-radius: 5px;" type="button" value="Print"/>																																																																																																																																																																																																																	
		<input style="width: 100px; height: 25px; border: 1px solid black; border-radius: 5px;" type="button" value="Logout"/>																																																																																																																																																																																																																	
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For RAJESHWAR HOSPITAL																																																																																																																																																																																																																			

Step4: Fill all fields which is present in the paid amount frame.

Step5: click save button

C) Discharge Bill Data Report:

Submitted By: Shivani Kumari (18166)

d) Live Discharge Bill:

 RAJESHWAR HOSPITAL	<p>RAJESHWAR HOSPITAL Near Bahadurpur Petrol Pump Kankarbagh Main Road, Patna-20 PH :- 0612 - 2355511, 7488272983 FAX :- 0612-2355501 E-mail :- info@rajeshwarhospital.com website : www.rajeshwarhospital.com GSTIN NO :- 10AKYPS9872J1Z6</p>																																																																																																																																																																																																			
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19. Doctor Home Page

a) Code:

```
Private Sub D_APPOINTMENT_Click()
    Form15.Show
End Sub

Private Sub cmdActive_Click()
    fun
    On Error GoTo errmsg
    If txtuser.Text = Adodc1.Recordset.Fields(4) Then
        Adodc1.RecordSource = "select * from tbl_Appointments where doctorname='"
        txtuser.Text + "' And status like '%A%'"
        Adodc1.Refresh
    Else
        MsgBox "No Appointments", vbCritical + vbOKOnly, "Appointment"
        txtuser.Text = ""
        txtuser.SetFocus
    End If
errmsg:
End Sub

Private Sub cmdDeactive_Click()
    fun
    On Error GoTo errmsg
    If txtuser.Text = Adodc1.Recordset.Fields(4) Then
        Adodc1.RecordSource = "select * from tbl_Appointments where doctorname='"
        txtuser.Text + "' And status like '%D%'"
        Adodc1.Refresh
    Else
        MsgBox "No Appointments", vbCritical + vbOKOnly, "Appointment"
        txtuser.Text = ""
        txtuser.SetFocus
    End If
errmsg:
End Sub

Private Sub cmdRefresh_Click()
    Dim sql As String
    sql = "SELECT * FROM tbl_Appointments"
```

```
Adodc1.RecordSource = sql
Adodc1.Refresh
End Sub
```

```
Private Sub cmdSHOWappointment_Click()
    cmdActive.Visible = True
    cmdDeactive.Visible = True
    fun
    Adodc1.RecordSource = "select * from tbl_Appointments where doctorname=''" +
    txtuser.Text + """
    Adodc1.Refresh
    If Adodc1.Recordset.EOF Then
        MsgBox "No Appointments. ", vbExclamation, "Failed"
        txtuser.Text = Empty
        txtuser.SetFocus
    Else
    End If
End Sub
```

```
Private Sub Command1_Click()
    Command3.Visible = True
    Command2.Visible = True
    fun
    Adodc2.RecordSource = "select receiptno,Service,status from tbl_WardServices where
Service=''" + Text1.Text + """
    Adodc2.Refresh
    If Adodc2.Recordset.EOF Then
        MsgBox "No Appointments. ", vbExclamation, "Failed"
        Text1.Text = Empty
        Text1.SetFocus
    Else
    End If
End Sub
```

```
Private Sub Command2_Click()
    fun
    On Error GoTo errormsg
    If Text1.Text = Adodc2.Recordset.Fields(1) Then
        Adodc2.RecordSource = "select receiptno,Service,status from tbl_WardServices where
Service=''" + Text1.Text + "" And status like '%Close%'"
        Adodc2.Refresh
    End If
End Sub
```

```
Else
    MsgBox "No Appointments", vbCritical + vbOKOnly, "Appointment"
    Text1.Text = ""
    Text1.SetFocus
End If
errmsg:
End Sub

Private Sub Command3_Click()
    fun
    On Error GoTo errmsg
    If Text1.Text = Adodc2.Recordset.Fields(1) Then
        Adodc2.RecordSource = "select receiptno,Service,status from tbl_WardServices where
Service=""" + Text1.Text + """ And status like '%Done%'"
        Adodc2.Refresh
    Else
        MsgBox "No Appointments", vbCritical + vbOKOnly, "Appointment"
        Text1.Text = ""
        Text1.SetFocus
    End If
errmsg:
End Sub

Private Sub D_DECISION_Click()
    Form17.Show
    Form11.Hide
    Form13.Hide
End Sub

Private Sub D_LOGOUT_Click()
    HOME
    MDIForm1.M_MENU.Enabled = True
    Me.Hide
    Form5.Hide
    Form1.Hide
End Sub

Private Sub D_PRESCRIPTION_Click()
    Form11.Show
    Form17.Hide
    Form13.Hide

```

End Sub

Private Sub D_TREATMENT_Click()

Form13.Show

Form11.Hide

Form17.Hide

End Sub

Private Sub Form_Load()

FrameShowAppointment.Visible = False

Frame1.Visible = False

End Sub

Private Sub m_apmnt_Click()

FrameShowAppointment.Visible = False

Frame1.Visible = True

End Sub

Private Sub M_Apmnts_Click()

FrameShowAppointment.Visible = True

Frame1.Visible = False

End Sub

Private Sub txtuser_KeyPress(KeyAscii As Integer)

cmdActive.Visible = False

cmdDeactive.Visible = False

If KeyAscii = 13 Then

cmdSHOWappointment.SetFocus

End If

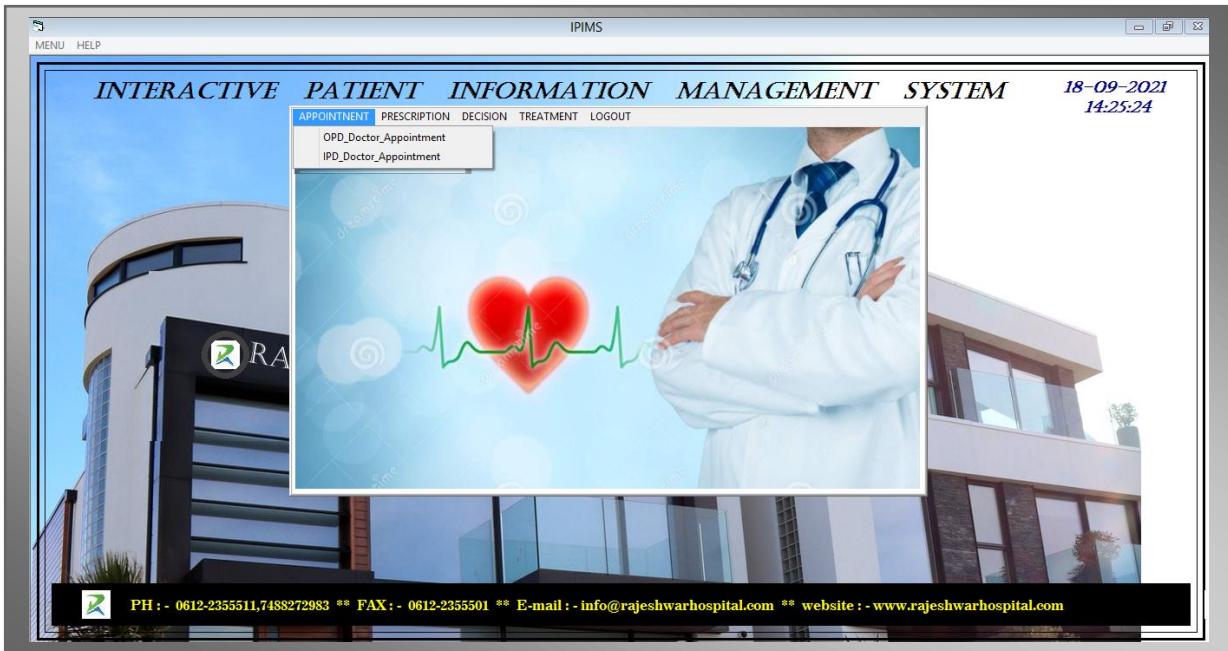
End Sub

Private Sub txtuser_LostFocus()

txtuser.Text = StrConv(txtuser.Text, vbProperCase)

End Sub

b) Screen Shot:



This page will open when only the doctor will login successfully. Where doctors can open these forms like prescription, decision, treatment and they can also check their appointment status.

20. Staff Home Page

a) Code:

```

Private Sub Form_Load()
    Adodc1.Visible = False
    DataGridView1.Visible = False
End Sub

Private Sub M_Add_Patient_Click()
    Label2.Caption = ""
    a = InputBox("Enter staff ID which you want to search.")
    Adodc1.RecordSource = "select * from tbl_Sdetail where sid=" & a & " and deptid like
    '%RH0004%'"
    Adodc1.Refresh
    If Adodc1.Recordset.EOF Then
        MsgBox "Staff not found!" & vbCrLf & "Please insert valid Department id.", 
        vbExclamation, "Failed"
    Else
        MsgBox "Staff found in the database!", vbInformation, "Success"
        Label2.Caption = Adodc1.Recordset.Fields(1)
        Form15.txtAppFixBy.Text = Label2.Caption
    End If
End Sub

```

```
Form8.Show
Form15.Hide
Form18.Hide
Form9.Hide
Form14.Hide
Form16.Hide
End If
End Sub
```

```
Private Sub M_In_Patient_Registration_Click()
    Form14.Visible = True
End Sub
```

```
Private Sub M_Patient_Detail_Click()
    Form8.Show
End Sub
```

```
Private Sub M_Patient_Registration_Click()
    Form8.Hide
    Form9.Show
End Sub
```

```
Private Sub S_EXIT_Click()
    HOME
    MDIForm1.M_MENU.Enabled = True
End Sub
```

```
Private Sub M_Bill_Click()
    Label2.Caption = ""
    a = InputBox("Enter Medicine Department's staff ID which you want to search.")
    Adodc1.RecordSource = "select * from tbl_Sdetail where sid=''' & a & ''' and deptid like
    '%RH0003'''"
    Adodc1.Refresh
    If Adodc1.Recordset.EOF Then
        MsgBox "Staff not found!" & vbCrLf & "Please insert valid Department id.", ,
        vbExclamation, "Failed"
    Else
        MsgBox "Staff found in the database!", vbInformation, "Success"
        Label2.Caption = Adodc1.Recordset.Fields(1)
        Form16.Show
        Form16.Frame1.Visible = True
    End If
End Sub
```

```
Form8.Hide
Form15.Hide
Form18.Hide
Form9.Hide
Form14.Hide
End If
End Sub

Private Sub M_datareport_Click()
Label2.Caption = ""
a = InputBox("Enter Medicine Department's staff ID which you want to search.")
Adodc1.RecordSource = "select * from tbl_Sdetail where sid=''' & a & ''' and deptid like
'%RH0003'''"
Adodc1.Refresh
If Adodc1.Recordset.EOF Then
    MsgBox "Staff not found!" & vbCrLf & "Please insert valid Department id. ",
vbExclamation, "Failed"
Else
    MsgBox "Staff found in the database!", vbInformation, "Success"
    Label2.Caption = Adodc1.Recordset.Fields(1)
    Form20.Show
    Form8.Hide
    Form15.Hide
    Form16.Hide
    Form18.Hide
    Form9.Hide
    Form14.Hide
End If
End Sub

Private Sub M_Labtest_Click()
On Error GoTo errormsg
Label2.Caption = ""
a = InputBox("Enter Pathology Department's staff ID which you want to search.")
Adodc1.RecordSource = "select * from tbl_Sdetail where sid=''' & a & ''' and deptid like
'%RH0005'''"
Adodc1.Refresh
If Adodc1.Recordset.EOF Then
    MsgBox "Staff not found!" & vbCrLf & "Please insert valid Department id. ",
vbExclamation, "Failed"
Else
```

```
MsgBox "Staff found in the database!", vbInformation, "Success"
Label2.Caption = Adodc1.Recordset.Fields(1)
Form18.Show
Form8.Hide
Form15.Hide
Form9.Hide
Form14.Hide
Form16.Hide
End If
errmsg:
End Sub

Private Sub M_Registration_Click()
On Error GoTo errmsg
Label2.Caption = ""
a = InputBox("Enter Registration Department's staff ID which you want to search.")
Adodc1.RecordSource = "select * from tbl_Sdetail where sid="" & a & "" and deptid like
'%RH0006%'"
Adodc1.Refresh
If Adodc1.Recordset.EOF Then
    MsgBox "Staff not found!" & vbCrLf & "Please insert valid Staff id. ",
vbExclamation, "Failed"
Else
    MsgBox "Staff found in the database!", vbInformation, "Success"
    Label2.Caption = Adodc1.Recordset.Fields(1)
    Form18.Hide
    Form8.Hide
    Form15.Hide
    Form9.Show
    Form14.Hide
    Form16.Hide
End If
errmsg:
End Sub

Private Sub M_Ward_Click()
Label2.Caption = ""
a = InputBox("Enter Department's staff ID which you want to search.")
Adodc1.RecordSource = "select * from tbl_Sdetail where sid="" & a & "" and deptid like
'%RH0006%'"
Adodc1.Refresh
```

```

If Adodc1.Recordset.EOF Then
    MsgBox "Staff not found!" & vbCrLf & "Please insert valid Department id.", 
    vbExclamation, "Failed"
Else
    MsgBox "Staff found in the database!", vbInformation, "Success"
    Label2.Caption = Adodc1.Recordset.Fields(1)
    Form14.Show
    Form8.Hide
    Form15.Hide
    Form18.Hide
    Form9.Hide
    Form16.Hide
End If
End Sub

```

```

Private Sub S_LOGOUT_Click()
    HOME
    MDIForm1.M_MENU.Enabled = True
    Me.Hide
    Form5.Hide
    Form1.Hide
End Sub

```

b) Screen Shot:



This page will open when only the staff will login successfully. In this form, all the menus are divided department wise. The patient and appointment menu can only be opened by the staff of the receptionist department. The labtest menu can only be opened by the staff of the pathology department. The registration and ward menu can only be opened by the staff of the registration department. The bill and datareport menu can only be opened by the staff of the medicine department.

21. Module

a) Code:

Option Explicit

Public conn As ADODB.Connection

Public rs As ADODB.Recordset

Public conn1 As ADODB.Connection

Public rs1 As ADODB.Recordset

Public sql As String

Public sql1 As String

Public userid As String

Public impath As String

Public dob As String

Public dec As String

Public Function fun()

Set conn = New ADODB.Connection

conn.Open "Provider=MSDAORA.1;Password=IPIMSshivani;User ID=IPIMSDB;Persist Security Info=True"

Set rs = New ADODB.Recordset

End Function

Public Function fun1()

Set conn1 = New ADODB.Connection

conn1.Open "Provider=MSDAORA.1;Password=IPIMSshivani;User ID=IPIMSDB;Persist Security Info=True"

Set rs1 = New ADODB.Recordset

End Function

Public Function HOME()

'Confirmation

Dim wish As Integer

wish = MsgBox("Do you really want to Logout ?", vbQuestion + vbYesNo)

If wish <> vbYes Then

Unload Form1

Unload Form2

Unload Form3

Unload Form4

Exit Function

End If

End Function

22. DataReport Form

a) Code:

```
Public Function clean()
```

```
    Text1.Text = ""
```

```
    Text2.Text = ""
```

```
End Function
```

```
Private Sub cmdApmnt_Click()
```

```
    DataReport8.Show
```

```
End Sub
```

```
Private Sub cmdBill_Click()
```

```
    DataReport15.Show
```

```
End Sub
```

```
Private Sub cmdDecision_Click()
```

```
    DataReport11.Show
```

```
End Sub
```

```
Private Sub cmdDept_Click()
```

```
    DataReport7.Show
```

```
End Sub
```

```
Private Sub cmdDetail_Click()
```

```
    DataEnvironment2.Connection1.Open
```

```
    DataEnvironment2.Command11.Text2.Text
```

```
    DataReport26.Show
```

```
    DataReport26.Refresh
```

```
    DataEnvironment2.Connection1.Close
```

```
End Sub
```

```
Private Sub cmdDrDetail_Click()
```

```
    DataReport3.Show
```

```
End Sub
```

```
Private Sub cmdDrLogin_Click()
```

```
    DataReport4.Show
```

```
End Sub
```

```
Private Sub cmdLabtest_Click()
    DataReport10.Show
End Sub
```

```
Private Sub cmdPatient_Click()
    DataReport1.Show
End Sub
```

```
Private Sub cmdPrescription_Click()
    DataReport9.Show
End Sub
```

```
Private Sub cmdReference_Click()
    DataReport2.Show
End Sub
```

```
Private Sub cmdRegistration_Click()
    DataReport12.Show
End Sub
```

```
Private Sub cmdSd_Click()
    DataEnvironment2.Connection1.Open
    DataEnvironment2.Command12.Text2.Text
    DataReport27.Show
    DataReport27.Refresh
    DataEnvironment2.Connection1.Close
End Sub
```

```
Private Sub cmdStDetail_Click()
    DataReport5.Show
End Sub
```

```
Private Sub cmdStLogin_Click()
    DataReport6.Show
End Sub
```

```
Private Sub cmdTreatment_Click()
    DataReport14.Show
End Sub
```

```
Private Sub cmdWardServices_Click()
    DataReport13.Show
End Sub
```

```
Private Sub Combo1_Click()
    Set rs = New ADODB.Recordset
    sql = "select * from tbl_PbasicDetail where pno=''" + Combo1.Text + "'"
    Set rs = conn.Execute(sql)
    While rs.EOF = False
        Text2.Text = rs.Fields(0)
        Text1.Text = rs.Fields(22)
        rs.MoveNext
    Wend
End Sub
```

```
Private Sub Combo10_Click()
    Set rs = New ADODB.Recordset
    sql = "select * from tbl_DepartmentDetail where deptid=''" + Combo10.Text + "'"
    Set rs = conn.Execute(sql)
    While rs.EOF = False
        Text1.Text = rs.Fields(0)
        rs.MoveNext
    Wend
End Sub
```

```
Private Sub Combo11_Click()
    Set rs = New ADODB.Recordset
    sql = "select * from tbl_DrDetail where did=''" + Combo11.Text + "'"
    Set rs = conn.Execute(sql)
    While rs.EOF = False
        Text2.Text = rs.Fields(0)
        rs.MoveNext
    Wend
End Sub
```

```
Private Sub Combo12_Click()
    Set rs = New ADODB.Recordset
    sql = "select * from tbl_Sdetail where sid=''" + Combo12.Text + "'"
    Set rs = conn.Execute(sql)
    While rs.EOF = False
        Text2.Text = rs.Fields(0)
```

```
rs.MoveNext
Wend
End Sub
```

```
Private Sub Combo13_Click()
Set rs = New ADODB.Recordset
sql = "select * from tbl_Dischargebill where dbillno=""" + Combo13.Text + """
Set rs = conn.Execute(sql)
While rs.EOF = False
Text1.Text = rs.Fields(0)
rs.MoveNext
Wend
End Sub
```

```
Private Sub Combo14_Click()
Set rs = New ADODB.Recordset
sql = "select * from tbl_DrLogin where mobile=""" + Combo14.Text + """
Set rs = conn.Execute(sql)
While rs.EOF = False
Text1.Text = rs.Fields(0)
rs.MoveNext
Wend
End Sub
```

```
Private Sub Combo15_Click()
Set rs = New ADODB.Recordset
sql = "select * from tbl_StLogin where mobile=""" + Combo15.Text + """
Set rs = conn.Execute(sql)
While rs.EOF = False
Text1.Text = rs.Fields(0)
rs.MoveNext
Wend
End Sub
```

```
Private Sub Combo2_Click()
Set rs = New ADODB.Recordset
sql = "select * from tbl_Reference where refno=""" + Combo2.Text + """
Set rs = conn.Execute(sql)
While rs.EOF = False
Text1.Text = rs.Fields(0)
rs.MoveNext
```

Wend

End Sub

Private Sub Combo3_Click()

Set rs = New ADODB.Recordset

sql = "select * from tbl_Appointments where appno=''" + Combo3.Text + """

Set rs = conn.Execute(sql)

While rs.EOF = False

Text1.Text = rs.Fields(0)

rs.MoveNext

Wend

End Sub

Private Sub Combo4_Click()

Set rs = New ADODB.Recordset

sql = "select * from tbl_Prescription where receipt=''" + Combo4.Text + """

Set rs = conn.Execute(sql)

While rs.EOF = False

Text1.Text = rs.Fields(0)

rs.MoveNext

Wend

End Sub

Private Sub Combo5_Click()

Set rs = New ADODB.Recordset

sql = "select * from tbl_LabTest where LabReportNo=''" + Combo5.Text + """

Set rs = conn.Execute(sql)

While rs.EOF = False

Text1.Text = rs.Fields(0)

rs.MoveNext

Wend

End Sub

Private Sub Combo6_Click()

Set rs = New ADODB.Recordset

sql = "select * from tbl_Decision where UHID=''" + Combo6.Text + """

Set rs = conn.Execute(sql)

While rs.EOF = False

Text1.Text = rs.Fields(0)

rs.MoveNext

Wend

End Sub

```
Private Sub Combo7_Click()
    Set rs = New ADODB.Recordset
    sql = "select * from tbl_Registration where ipd=''" + Combo7.Text + "'"
    Set rs = conn.Execute(sql)
    While rs.EOF = False
        Text1.Text = rs.Fields(0)
        rs.MoveNext
    Wend
End Sub
```

```
Private Sub Combo8_Click()
    Set rs = New ADODB.Recordset
    sql = "select * from tbl_WardServices where receiptno=''" + Combo8.Text + "'"
    Set rs = conn.Execute(sql)
    While rs.EOF = False
        Text1.Text = rs.Fields(0)
        rs.MoveNext
    Wend
End Sub
```

```
Private Sub Combo9_Click()
    Set rs = New ADODB.Recordset
    sql = "select * from tbl_Treatment where billno=''" + Combo9.Text + "'"
    Set rs = conn.Execute(sql)
    While rs.EOF = False
        Text1.Text = rs.Fields(0)
        rs.MoveNext
    Wend
End Sub
```

```
Private Sub Command1_Click()
    DataEnvironment2.Connection1.Open
    DataEnvironment2.Command1.Text2.Text
    DataReport16.Show
    DataReport16.Refresh
    DataEnvironment2.Connection1.Close
End Sub
```

Public Function F1()

```
Frame2.Visible = False  
Frame3.Visible = False  
Frame4.Visible = False  
Frame5.Visible = False  
Frame6.Visible = False  
Frame7.Visible = False  
Frame8.Visible = False  
End Function
```

```
Public Function F2()  
    Frame9.Visible = False  
    Frame10.Visible = False  
    Frame11.Visible = False  
    Frame12.Visible = False  
    Frame13.Visible = False  
    Frame14.Visible = False  
    Frame15.Visible = False  
    Frame16.Visible = False  
End Function
```

```
Private Sub Command10_Click()  
    DataEnvironment2.Connection1.Open  
    DataEnvironment2.Command10.Text1.Text  
    DataReport25.Show  
    DataReport25.Refresh  
    DataEnvironment2.Connection1.Close  
End Sub
```

```
Private Sub Command13_Click()  
    DataEnvironment2.Connection1.Open  
    DataEnvironment2.Command13.Text1.Text  
    DataReport28.Show  
    DataReport28.Refresh  
    DataEnvironment2.Connection1.Close  
End Sub
```

```
Private Sub Command14_Click()  
    DataEnvironment2.Connection1.Open  
    DataEnvironment2.Command14.Text1.Text  
    DataReport29.Show  
    DataReport29.Refresh
```

```
DataEnvironment2.Connection1.Close  
End Sub
```

```
Private Sub Command15_Click()  
    DataEnvironment2.Connection1.Open  
    DataEnvironment2.Command15.Text1.Text  
    DataReport30.Show  
    DataReport30.Refresh  
    DataEnvironment2.Connection1.Close  
End Sub
```

```
Private Sub Command16_Click()  
    Frame1.Visible = True  
    Frame17.Visible = True  
    Frame18.Visible = False  
    Frame19.Visible = False  
End Sub
```

```
Private Sub Command17_Click()  
    Frame1.Visible = False  
    Frame17.Visible = False  
    Frame18.Visible = True  
    Frame19.Visible = True  
End Sub
```

```
Private Sub Command2_Click()  
    DataEnvironment2.Connection1.Open  
    DataEnvironment2.Command2.Text1.Text  
    DataReport17.Show  
    DataReport17.Refresh  
    DataEnvironment2.Connection1.Close  
End Sub
```

```
Private Sub Command3_Click()  
    DataEnvironment2.Connection1.Open  
    DataEnvironment2.Command3.Text1.Text  
    DataReport18.Show  
    DataReport18.Refresh  
    DataEnvironment2.Connection1.Close  
End Sub
```

```
Private Sub Command4_Click()
    DataEnvironment2.Connection1.Open
    DataEnvironment2.Command4.Text1.Text
    DataReport19.Show
    DataReport19.Refresh
    DataEnvironment2.Connection1.Close
End Sub
```

```
Private Sub Command5_Click()
    DataEnvironment2.Connection1.Open
    DataEnvironment2.Command5.Text1.Text
    DataReport20.Show
    DataReport20.Refresh
    DataEnvironment2.Connection1.Close
End Sub
```

```
Private Sub Command6_Click()
    DataEnvironment2.Connection1.Open
    DataEnvironment2.Command6.Text1.Text
    DataReport21.Show
    DataReport21.Refresh
    DataEnvironment2.Connection1.Close
End Sub
```

```
Private Sub Command7_Click()
    DataEnvironment2.Connection1.Open
    DataEnvironment2.Command7.Text1.Text
    DataReport22.Show
    DataReport22.Refresh
    DataEnvironment2.Connection1.Close
End Sub
```

```
Private Sub Command8_Click()
    DataEnvironment2.Connection1.Open
    DataEnvironment2.Command8.Text1.Text
    DataReport23.Show
    DataReport23.Refresh
    DataEnvironment2.Connection1.Close
End Sub
```

```
Private Sub Command9_Click()
```

```
DataEnvironment2.Connection1.Open  
DataEnvironment2.Command9.Text1.Text  
DataReport24.Show  
DataReport24.Refresh  
DataEnvironment2.Connection1.Close  
End Sub
```

```
Public Function A1()  
    cmdPatient.Visible = False  
    cmdReference.Visible = False  
    cmdApmnt.Visible = False  
    cmdPrescription.Visible = False  
    cmdDecision.Visible = False  
    cmdRegistration.Visible = False  
    cmdWardServices.Visible = False  
End Function
```

```
Public Function A2()  
    cmdTreatment.Visible = False  
    cmdBill.Visible = False  
    cmdLabtest.Visible = False  
    cmdStLogin.Visible = False  
    cmdStDetail.Visible = False  
    cmdDrDetail.Visible = False  
    cmdDrLogin.Visible = False  
    cmdDept.Visible = False  
End Function
```

```
Private Sub Form_Load()  
    Frame1.Visible = False  
    Frame17.Visible = False  
    Frame18.Visible = False  
    Frame19.Visible = False  
    DataEnvironment2.Connection1.Close  
    A1  
    A2  
    F1  
    F2  
    Option1.Value = False  
    Option2.Value = False  
    Option3.Value = False
```

```
Option4.Value = False
Option5.Value = False
Option6.Value = False
Option7.Value = False
Option8.Value = False
Option9.Value = False
Option10.Value = False
Option11.Value = False
Option12.Value = False
Option13.Value = False
Option14.Value = False
Option15.Value = False
Option16.Value = False
Option17.Value = False
Option18.Value = False
Option19.Value = False
Option20.Value = False
Option21.Value = False
Option22.Value = False
Option23.Value = False
Option24.Value = False
Option25.Value = False
Option26.Value = False
Option27.Value = False
Option28.Value = False
Option29.Value = False
Option30.Value = False
fun
Set rs = New ADODB.Recordset
sql = "select * from tbl_PbasicDetail"
Set rs = conn.Execute(sql)
While rs.EOF = False
Combo1.AddItem rs.Fields(0)
rs.MoveNext
Wend
'
..... .
Set rs = New ADODB.Recordset
sql = "select * from tbl_Reference"
Set rs = conn.Execute(sql)
While rs.EOF = False
Combo2.AddItem rs.Fields(0)
```

```
rs.MoveNext
Wend
'.....
Set rs = New ADODB.Recordset
sql = "select * from tbl_Appointments"
Set rs = conn.Execute(sql)
While rs.EOF = False
Combo3.AddItem rs.Fields(0)
rs.MoveNext
Wend
'.....
Set rs = New ADODB.Recordset
sql = "select * from tbl_Prescription"
Set rs = conn.Execute(sql)
While rs.EOF = False
Combo4.AddItem rs.Fields(0)
rs.MoveNext
Wend
'.....
Set rs = New ADODB.Recordset
sql = "select * from tbl_LabTest"
Set rs = conn.Execute(sql)
While rs.EOF = False
Combo5.AddItem rs.Fields(0)
rs.MoveNext
Wend
'.....
Set rs = New ADODB.Recordset
sql = "select * from tbl_Decision"
Set rs = conn.Execute(sql)
While rs.EOF = False
Combo6.AddItem rs.Fields(0)
rs.MoveNext
Wend
'.....
Set rs = New ADODB.Recordset
sql = "select * from tbl_Registration"
Set rs = conn.Execute(sql)
While rs.EOF = False
Combo7.AddItem rs.Fields(0)
rs.MoveNext
```

```
Wend
'.....  
Set rs = New ADODB.Recordset  
sql = "select * from tbl_WardServices"  
Set rs = conn.Execute(sql)  
While rs.EOF = False  
Combo8.AddItem rs.Fields(0)  
rs.MoveNext  
Wend  
'.....  
Set rs = New ADODB.Recordset  
sql = "select * from tbl_Treatment"  
Set rs = conn.Execute(sql)  
While rs.EOF = False  
Combo9.AddItem rs.Fields(0)  
rs.MoveNext  
Wend  
'.....  
Set rs = New ADODB.Recordset  
sql = "select * from tbl_DepartmentDetail"  
Set rs = conn.Execute(sql)  
While rs.EOF = False  
Combo10.AddItem rs.Fields(0)  
rs.MoveNext  
Wend  
'.....  
Set rs = New ADODB.Recordset  
sql = "select * from tbl_DrDetail"  
Set rs = conn.Execute(sql)  
While rs.EOF = False  
Combo11.AddItem rs.Fields(0)  
rs.MoveNext  
Wend  
'.....  
Set rs = New ADODB.Recordset  
sql = "select * from tbl_Sdetail"  
Set rs = conn.Execute(sql)  
While rs.EOF = False  
Combo12.AddItem rs.Fields(0)  
rs.MoveNext  
Wend
```

```
'.....  
Set rs = New ADODB.Recordset  
sql = "select * from tbl_Dischargebill"  
Set rs = conn.Execute(sql)  
While rs.EOF = False  
Combo13.AddItem rs.Fields(0)  
rs.MoveNext  
Wend  
'.....  
Set rs = New ADODB.Recordset  
sql = "select * from tbl_DrLogin"  
Set rs = conn.Execute(sql)  
While rs.EOF = False  
Combo14.AddItem rs.Fields(0)  
rs.MoveNext  
Wend  
'.....  
Set rs = New ADODB.Recordset  
sql = "select * from tbl_StLogin"  
Set rs = conn.Execute(sql)  
While rs.EOF = False  
Combo15.AddItem rs.Fields(0)  
rs.MoveNext  
Wend  
End Sub
```

```
Private Sub Option1_Click()  
Combo1.Text = ""  
clean  
Frame2.Visible = True  
Frame3.Visible = False  
Frame4.Visible = False  
Frame5.Visible = False  
Frame6.Visible = False  
Frame7.Visible = False  
Frame8.Visible = False  
F2  
End Sub
```

```
Private Sub Option10_Click()  
clean
```

```
F1
Frame9.Visible = False
Frame10.Visible = False
Frame11.Visible = True
Frame12.Visible = False
Frame13.Visible = False
Frame14.Visible = False
Frame15.Visible = False
Frame16.Visible = False
End Sub
```

```
Private Sub Option11_Click()
    clean
    F1
    Frame9.Visible = False
    Frame10.Visible = False
    Frame11.Visible = False
    Frame12.Visible = True
    Frame13.Visible = False
    Frame14.Visible = False
    Frame15.Visible = False
    Frame16.Visible = False
End Sub
```

```
Private Sub Option12_Click()
    clean
    F1
    Frame9.Visible = False
    Frame10.Visible = False
    Frame11.Visible = False
    Frame12.Visible = False
    Frame13.Visible = True
    Frame14.Visible = False
    Frame15.Visible = False
    Frame16.Visible = False
End Sub
```

```
Private Sub Option13_Click()
    clean
    F1
    Frame9.Visible = False
```

```
Frame10.Visible = False  
Frame11.Visible = False  
Frame12.Visible = False  
Frame13.Visible = False  
Frame14.Visible = True  
Frame15.Visible = False  
Frame16.Visible = False  
End Sub
```

```
Private Sub Option14_Click()  
clean  
F1  
Frame9.Visible = False  
Frame10.Visible = False  
Frame11.Visible = False  
Frame12.Visible = False  
Frame13.Visible = False  
Frame14.Visible = False  
Frame15.Visible = True  
Frame16.Visible = False  
End Sub
```

```
Private Sub Option15_Click()  
clean  
F1  
Frame9.Visible = False  
Frame10.Visible = False  
Frame11.Visible = False  
Frame12.Visible = False  
Frame13.Visible = False  
Frame14.Visible = False  
Frame15.Visible = False  
Frame16.Visible = True  
End Sub
```

```
Private Sub Option16_Click()  
cmdStLogin.Visible = True  
cmdTreatment.Visible = False  
cmdBill.Visible = False  
cmdLabtest.Visible = False  
cmdStDetail.Visible = False
```

```
cmdDrDetail.Visible = False  
cmdDrLogin.Visible = False  
cmdDept.Visible = False  
A1  
End Sub
```

```
Private Sub Option17_Click()  
    cmdDrLogin.Visible = True  
    cmdTreatment.Visible = False  
    cmdBill.Visible = False  
    cmdLabtest.Visible = False  
    cmdStLogin.Visible = False  
    cmdStDetail.Visible = False  
    cmdDrDetail.Visible = False  
    cmdDept.Visible = False  
    A1  
End Sub
```

```
Private Sub Option18_Click()  
    cmdBill.Visible = True  
    cmdTreatment.Visible = False  
    cmdLabtest.Visible = False  
    cmdStLogin.Visible = False  
    cmdStDetail.Visible = False  
    cmdDrDetail.Visible = False  
    cmdDrLogin.Visible = False  
    cmdDept.Visible = False  
    A1  
End Sub
```

```
Private Sub Option19_Click()  
    cmdStDetail.Visible = True  
    cmdTreatment.Visible = False  
    cmdBill.Visible = False  
    cmdLabtest.Visible = False  
    cmdStLogin.Visible = False  
    cmdDrDetail.Visible = False  
    cmdDrLogin.Visible = False  
    cmdDept.Visible = False  
    A1  
End Sub
```

```
Private Sub Option2_Click()
    clean
    Frame2.Visible = False
    Frame3.Visible = True
    Frame4.Visible = False
    Frame5.Visible = False
    Frame6.Visible = False
    Frame7.Visible = False
    Frame8.Visible = False
    F2
End Sub
```

```
Private Sub Option20_Click()
    cmdDrDetail.Visible = True
    cmdTreatment.Visible = False
    cmdBill.Visible = False
    cmdLabtest.Visible = False
    cmdStLogin.Visible = False
    cmdStDetail.Visible = False
    cmdDrLogin.Visible = False
    cmdDept.Visible = False
    A1
End Sub
```

```
Private Sub Option21_Click()
    cmdDept.Visible = True
    cmdTreatment.Visible = False
    cmdBill.Visible = False
    cmdLabtest.Visible = False
    cmdStLogin.Visible = False
    cmdStDetail.Visible = False
    cmdDrDetail.Visible = False
    cmdDrLogin.Visible = False
    A1
End Sub
```

```
Private Sub Option22_Click()
    cmdTreatment.Visible = True
    cmdBill.Visible = False
    cmdLabtest.Visible = False
```

```
cmdStLogin.Visible = False
cmdStDetail.Visible = False
cmdDrDetail.Visible = False
cmdDrLogin.Visible = False
cmdDept.Visible = False
A1
End Sub
```

```
Private Sub Option23_Click()
    cmdWardServices.Visible = True
    cmdPatient.Visible = False
    cmdReference.Visible = False
    cmdApmnt.Visible = False
    cmdPrescription.Visible = False
    cmdDecision.Visible = False
    cmdRegistration.Visible = False
    A2
End Sub
```

```
Private Sub Option24_Click()
    cmdRegistration.Visible = True
    cmdDecision.Visible = False
    cmdPatient.Visible = False
    cmdReference.Visible = False
    cmdApmnt.Visible = False
    cmdPrescription.Visible = False
    cmdWardServices.Visible = False
    A2
End Sub
```

```
Private Sub Option25_Click()
    cmdDecision.Visible = True
    cmdPatient.Visible = False
    cmdReference.Visible = False
    cmdApmnt.Visible = False
    cmdPrescription.Visible = False
    cmdRegistration.Visible = False
    cmdWardServices.Visible = False
    A2
End Sub
```

```
Private Sub Option26_Click()
    cmdLabtest.Visible = True
    cmdTreatment.Visible = False
    cmdBill.Visible = False
    cmdStLogin.Visible = False
    cmdStDetail.Visible = False
    cmdDrDetail.Visible = False
    cmdDrLogin.Visible = False
    cmdDept.Visible = False
    A1
End Sub
```

```
Private Sub Option27_Click()
    cmdPrescription.Visible = True
    cmdPatient.Visible = False
    cmdReference.Visible = False
    cmdApmnt.Visible = False
    cmdDecision.Visible = False
    cmdRegistration.Visible = False
    cmdWardServices.Visible = False
    A2
End Sub
```

```
Private Sub Option28_Click()
    cmdApmnt.Visible = True
    cmdPatient.Visible = False
    cmdReference.Visible = False
    cmdPrescription.Visible = False
    cmdDecision.Visible = False
    cmdRegistration.Visible = False
    cmdWardServices.Visible = False
    A2
End Sub
```

```
Private Sub Option29_Click()
    cmdReference.Visible = True
    cmdPatient.Visible = False
    cmdApmnt.Visible = False
    cmdPrescription.Visible = False
    cmdDecision.Visible = False
    cmdRegistration.Visible = False
```

```
cmdWardServices.Visible = False  
A2  
End Sub
```

```
Private Sub Option3_Click()  
clean  
Frame2.Visible = False  
Frame3.Visible = False  
Frame4.Visible = True  
Frame5.Visible = False  
Frame6.Visible = False  
Frame7.Visible = False  
Frame8.Visible = False  
F2
```

```
End Sub
```

```
Private Sub Option30_Click()  
cmdPatient.Visible = True  
cmdReference.Visible = False  
cmdApmnt.Visible = False  
cmdPrescription.Visible = False  
cmdDecision.Visible = False  
cmdRegistration.Visible = False  
cmdWardServices.Visible = False  
A2
```

```
End Sub
```

```
Private Sub Option4_Click()  
clean  
Frame2.Visible = False  
Frame3.Visible = False  
Frame4.Visible = False  
Frame5.Visible = True  
Frame6.Visible = False  
Frame7.Visible = False  
Frame8.Visible = False  
F2
```

```
End Sub
```

```
Private Sub Option5_Click()  
clean
```

```
Frame2.Visible = False
Frame3.Visible = False
Frame4.Visible = False
Frame5.Visible = False
Frame6.Visible = True
Frame7.Visible = False
Frame8.Visible = False
F2
End Sub
```

```
Private Sub Option6_Click()
clean
Frame2.Visible = False
Frame3.Visible = False
Frame4.Visible = False
Frame5.Visible = False
Frame6.Visible = False
Frame7.Visible = True
Frame8.Visible = False
F2
End Sub
```

```
Private Sub Option7_Click()
clean
Frame2.Visible = False
Frame3.Visible = False
Frame4.Visible = False
Frame5.Visible = False
Frame6.Visible = False
Frame7.Visible = False
Frame8.Visible = True
F2
End Sub
```

```
Private Sub Option8_Click()
clean
F1
Frame9.Visible = True
Frame10.Visible = False
Frame11.Visible = False
Frame12.Visible = False
```

```

Frame13.Visible = False
Frame14.Visible = False
Frame15.Visible = False
Frame16.Visible = False
End Sub

```

```

Private Sub Option9_Click()
    clean
    F1
    Frame9.Visible = False
    Frame10.Visible = True
    Frame11.Visible = False
    Frame12.Visible = False
    Frame13.Visible = False
    Frame14.Visible = False
End Sub

```

```

Private Sub Timer1_Timer()
    If Time > "12:00:00" Then
        Label2.Caption = Date & Space(5) & Time & Space(5) & "PM"
    End If
    If Time < "12:00:00" Then
        Label2.Caption = Date & Space(5) & Time & Space(5) & "AM"
    End If
End Sub

```

b) Screen Shot:

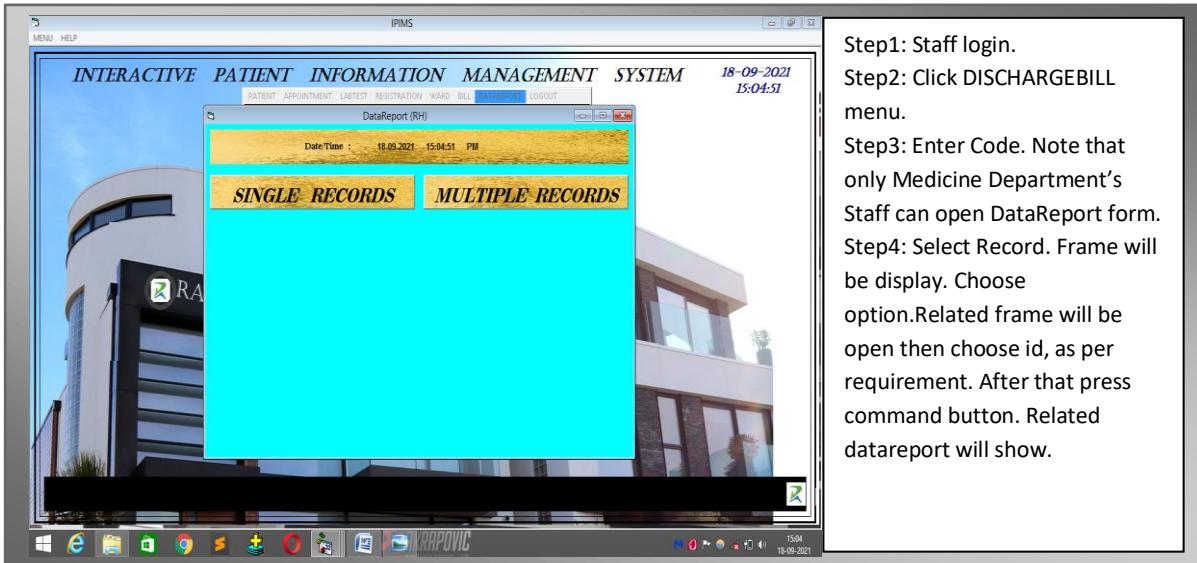


Figure1

Submitted By: Shivani Kumari (18166)



Figure2

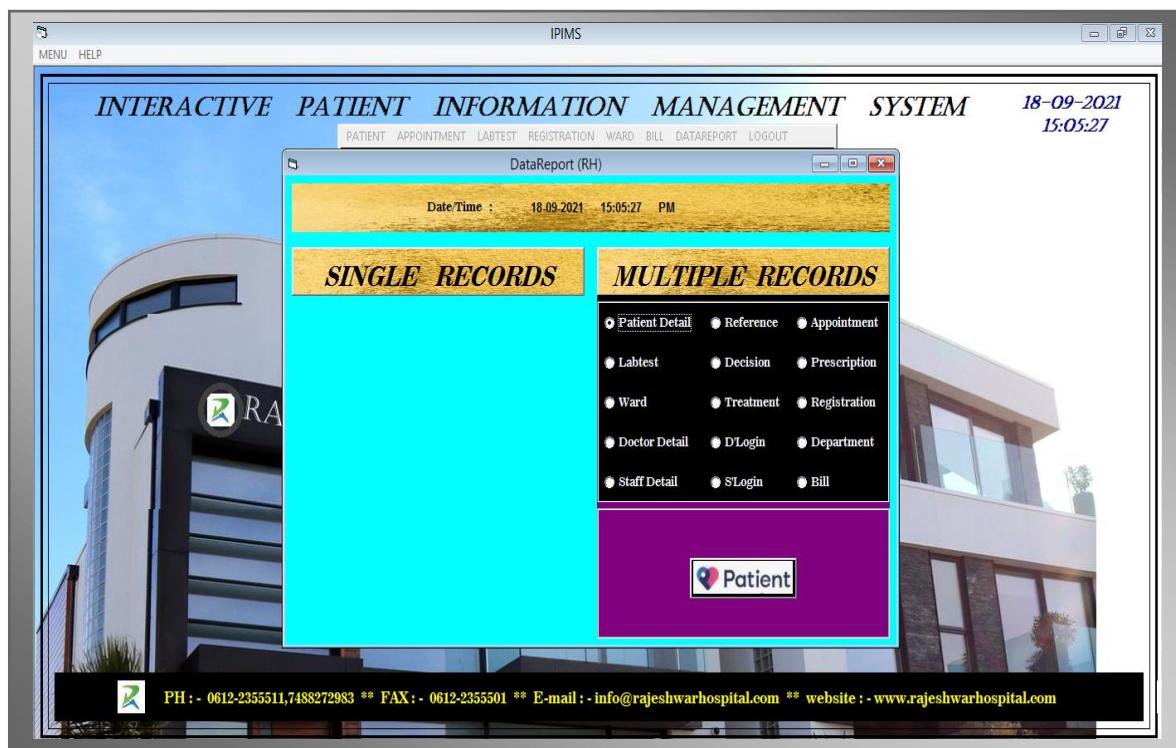


Figure3

Chapter 6. System Testing

After the completion of design and coding phase the next stage in the development of software project is testing phase. Testing plays a very critical role for quality assurance and for ensuring the reliability of the software. During testing the program to be tested is executed with set of test cases, and the output of the program for the test cases is evaluated to determine if the program is performing as it is expected to. Software testing is a critical element of software quality assurance and represents the ultimate review of specification, design and code generation. Once source code has been generated, software must be tested to uncover as many errors as possible before delivery.

In **Interactive Patient Information Management System**, I have separately tested each and every module/forms upon its completion.

a) Objectives: -

- Testing is a process of executing a program with the intention of finding an error.
- A good test case is one that has a high probability of finding an uncovered error.
- A successful test is one that uncovers a yet uncovered error.

b) Principles: -

- All tests should be traceable to customer requirements.
- Tests should be planned long before testing begins.
- The Pareto principle applies to software testing. States that 80% of all errors uncovered during testing are traceable to 20% of all program components. The problem of course is to isolate these suspect components and to thoroughly test them.
- Testing should begin “**in the small**” and progress toward testing “**in the large**”.
- Exhausting testing is not possible.
- To be most effective, testing should be conducted by an independent team.
- A good test has a high probability of finding an error.
- A good test is not redundant.
- A good test should be neither too simple nor too complex.

c) Testing Strategy Issues: -

- Specify product requirements in a quantifiable manner long before testing commences.
- State testing objectives explicitly.
- Understand the users of the software and develop a profile for each user category.
- Develop a testing plan that emphasizes “**rapid cycle testing**”.
- Build “**robust**” software that is designed to test itself.

- Use effective technical reviews as a filter prior to testing.
- Conduct formal technical reviews to assess the test strategy and test cases themselves.
- Develop a continuous improvement approach for the testing process.

d) Types of Testing: -

There are many different types of testing: -

1) Black Box Testing: - The test is conducted to test software interface i.e. demonstrate that software functions are operational, that input is properly accepted and output is correctly produced. It is also called behavioural testing which focus on the functional requirements of the software. Some sets of input are derived and exercised will all functional requirement for program. It is used to find errors like incorrect function, interface error, error in data structure, external data error, performance error, initialisation and termination error. Black box testing is later stage of testing.

This method of test design is applicable to all levels of software testing “unit, integration, functional testing, system and acceptance” the higher the level, and hence the bigger and more complex the box, the more one is forced to use black box testing to simplify. While this method can uncover unimplemented parts of the specification, one can not be sure that all existent paths are tested.

It covers following areas: -

- How is functional validity tested?
- How is system behavior and performance tested?
- What classes of input will make good test cases?
- Is the system particularly sensitive to certain input values?
- How are the boundaries of the data class?
- What data rates and data volume can the system tolerate?
- What effect will specific combinations of data have on system operations?

a) Advantages of Black Box Testing: -

- More effective on larger units of code than glass box testing.
- Tester needs to know about implementations, including specific programming languages.
- Tester and programmer are independent of each other.
- Tests are done from a user's point of view.
- Will help to expose any ambiguities or inconsistencies in the specifications.
- Test cases can be designed as soon as the specifications are complete.

b) Disadvantages of Black Box Testing: -

- Only a smaller number of possible inputs can actually be tested, to test every possible input stream would take nearly forever.
- Without clear and concise specifications, test cases are hard to design.
- There maybe unnecessary repetition of test inputs if the tester is not informed of test cases the programmer has already tried.
- May leave many program paths untested.
- Can not be directed toward specific segments of code which maybe very complex (and therefore more error prone).
- Most testing related research has been directed toward glass box testing.

2) White Box Testing: - The purpose of any security testing method is to insure the robustness of a system in the face of malicious attacks or regular software failures. White box testing is performed based on the knowledge of how the system is implemented. White box testing includes analyzing data flow, control flow, information flow, coding practices, exception and error handling within the system, to test the intended and unintended software behaviour. White box testing can be performed to validate whether code implementation follows intended design, to validate implemented security functionality, and to uncover exploitable vulnerabilities.

White box testing requires access to the source code. Though white box testing can be performed any time in the life cycle after the code is developed, it is a good practice to perform white box testing during the unit testing phase.

White box testing requires knowing what makes software secure or insecure, how to think like an attacker, and how to use different testing tools and techniques. The first step in white box testing is to comprehend and analyze source code. So knowing what makes software secure is a fundamental requirement. Second, to create tests that exploit software or tester must think like an attacker. Third, to perform testing effectively, testers need to know the different tools and techniques available for white box testing. The three requirements do not work in isolation, but together.

The general outline of the white box testing process is as follows: -

- Perform risk analysis to guide the whole testing process.
- Develop a test strategy that defines what testing activities are needed to accomplish testing goals.
- Develop a detailed test plan that organizes the subsequent testing process.
- Prepare the test environment for test execution.
- Execute test cases and communicate results.

- Prepare a report.

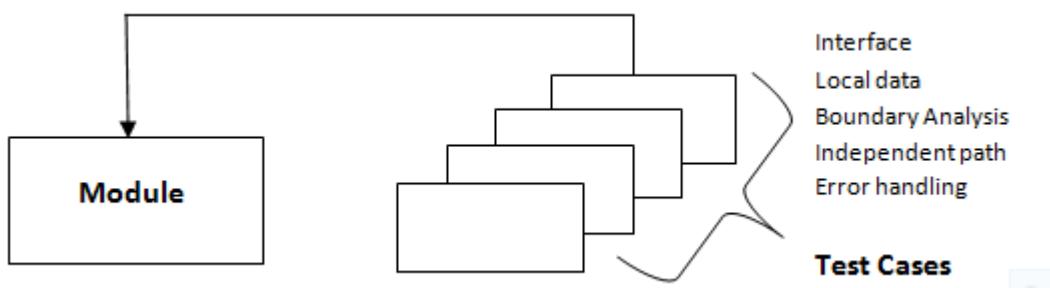
White box testing exercises all logical decisions executes all loops at their boundaries and also tests internal data structure to ensure their validity. It assumes that:

- Logic errors and incorrect assumptions are inversely proportional to the probability that a program path will be executed.
- We often believe that a logical path is not likely to be executed when it may be executed on a regular basis.
- Typographical errors (typing) are random.

White box testing is also called “**glass box testing**”. It is also used to test “**Basic Path**” of program, which is represented as **Flow Graph**.

❖ **Verification and validation:** - Verification refers to the set of activities that ensure that software correctly implements a specific function. It is performed by developer to test “**Are we building the product right?**” during development end. Validation refers to a different set of activities that ensures that the software that has been built is traceable to customer requirements. It is done by developer and customer both to test “**Are we building the product right?**”. Both test activity are software quality assurance (SQA) which includes formal technical review, quality and configuration audits, performance monitoring, simulation, feasibility study, documentation review, database review, algorithm analysis, development testing, qualification testing etc.

3) Unit testing: - Unit testing is white box testing which focuses on verification effort on the smallest unit of software-module or program. The module interface is tested to ensure that information properly flows in and out of the program. The local data structure is examined in an algorithm's executions. Boundary conditions are also tested to ensure that all modules operate properly. All independent paths are also tested. The goal of unit testing is to isolate each part of the program and show that individual paths are correct. A unit test provides a strict, written contract that the piece of code must satisfy. As a result, it affords several benefits.



Common errors in computations are:

- Incorrect arithmetic precedence
- Mix mode operations
- Incorrect initialization
- Precision inaccuracy
- Incorrect symbolic representation of an expression

Unit test cases uncovered errors like:

- Comparison of different data types
- Incorrect logical operator or precedences
- Expectation of equality
- Incorrect comparison of variables
- Improper loop termination
- Failure to exit

Unit test is performed during coding step to test each unit individually. Unit testing is simplified when a component with high cohesion is designed. When only one function performed by one component.

Six rules of unit testing: -

- (i) Write the test first
- (ii) Never write a test that succeeds the first time
- (iii) Start with the null case, or something that doesn't work
- (iv) Don't be afraid of doing something trivial to make the test work
- (v) Loose coupling and testability go hand in hand
- (vi) Use mock objects

4) Integration testing: - Software is collection of programs or module. Each module is individually tested using unit testing, but on integration or combination it generates interface error, global data structure problem etc. It is a systematic technique for constructing the program structure while at the same time conducting tests to uncover interface errors. It is black box.

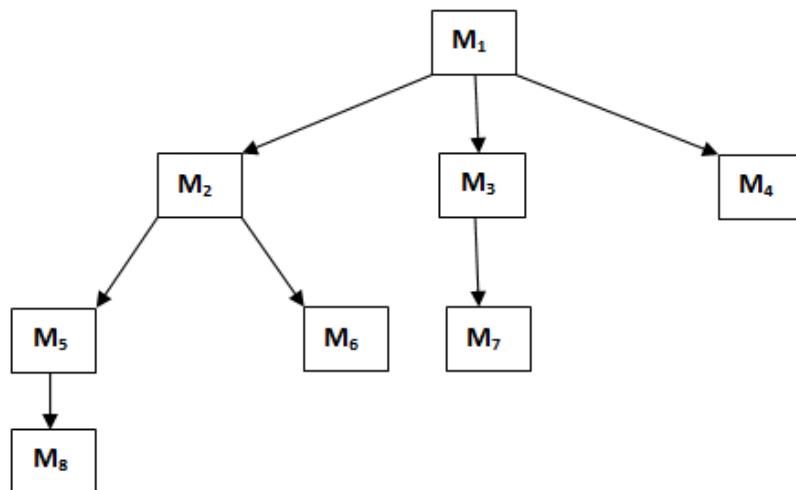
Integration testing strategies are: -

- (i) Top-down integration
- (ii) Bottom-up integration
- (iii) Regression testing

(i) Top-down integration: - It is an incremental approach to construct a program structure which starts with highest level of module and proceeds to the lowest level of module.

Top-down integration is performed in a series of five steps: -

- The main control module is used as a test driver.
- Depending on the integration approach subordinate modules are integrated.
- Tests are conducted as each component is integrated.
- On completion of each set of tests, it is replaced with real module.
- Regression testing.

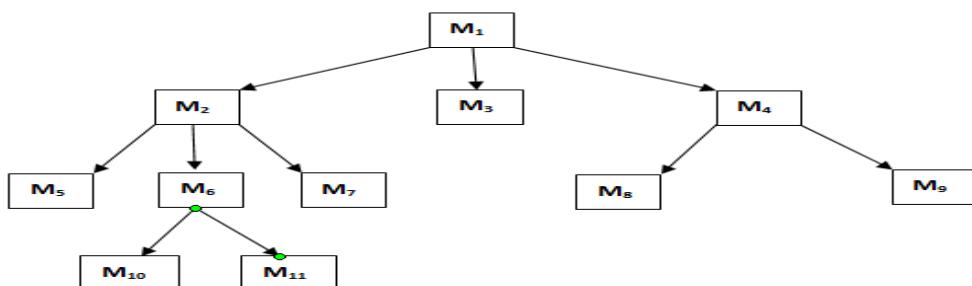


For example: - Integration testing is first performed with M₁, M₂, M₅ and M₈. Then M₃ and M₇ and at last M₄.

(ii) Bottom-up integration: - It starts with atomic level and proceeds to higher level.

Bottom-up integration is performed in a series of four steps: -

- Low level components are combined into clusters.
- A driver (a control program for testing) is written to co-ordinate test.
- The cluster is tested.
- Higher level is tested.



For example: - M₁₀ and M₁₁ are integrated and tested. After that M₅, M₆ and M₇ are integrated as M₂ and tested. M₈ and M₉ are integrated as M₄ and tested. Finally M₂, M₃ and M₄ are integrated as M₁ and tested.

(iii) Regression testing: - Regression testing important strategy for reducing “side effects”. Each time a new module is added as part of integration testing, the software changes. New data flow paths are established, new I/O (input /output) may occurs and new control logic is invoked. Regression testing is the re-execution of some subset of tests that have been already conducted to ensure that changes have not propagated side effects. It may be conducted manually.

5) Alpha and Beta testing: - When software is built for specific customer, a series of acceptance tests are conducted to enable the customer to validate all requirements. It is conducted by the end user not by the developer. Acceptance testing can be conducted over a period of week or months. During this period user collects all uncovered errors which are removed by the developer.

Alpha and **Beta** testing is acceptance testing. The alpha test is conducted at the developer's site by a customer. It is conducted in a controlled environment.

The **Beta** test is conducted at one or more customer sites by the end-user of the software. During Beta testing developers are not present so it is live application of software. The customer records all problems and reports to developer regularly which is short out.

6) System testing: - Software is a complex system which is integration of multiple modules. Before delivery of software it must be tested according to “software requirement specification”.

It is actually a series of different tests whose primary purpose is to fully exercise the computer based system. Software elements are hardware, people and information.

Level of system testing: -

- (i) Recovery testing:** - Software must be recovered from faults and resumes processing within specific time. Recovery testing is a system testing that forces the software to fail and verify the recovery.
- (ii) Security testing:** - Security testing attempts to verify that protection mechanisms built into a system will protect it from unauthorized access.
- (iii) Stress testing:** - It executes a system in a manner that demands resources in abnormal quality, frequency or volume. It is also called sensitivity testing.

(iv) Performance testing: - It is designed to test the run time performance of software within the context of an integrated system. A performance test is applied throughout all steps in the testing specially with stress testing. It usually requires both hardware and software.

Chapter 7. System Implementation

After completion of testing the application, a standard **EXE** of the application is made. Then a setup of the application is created by another application, which is available with Visual Basic 6.0 that is package and development wizard. In this application all the run time files of the proper version (which is compulsory for an application to run on a machine made with Visual Basic 6.0) and active data are attached with the standard **EXE**, which ensures if any case the customer does not have Oracle 10G or Microsoft Visual Basic run time libraries (with correct version) it has to update the system while installation. After creation of the setup, it is copied to **CD** and then it is installed on the owner's system.

Maintainance

- Although I have put restrictions in all the fields, but still there are some fields in which it is necessary to enter proper value.
- The user should try to keep his computer Virus free by having an up to date Antivirus. Because Viruses can affect the computer any destroyed database as well as the whole application.
- The operating system (MS WINDOWS 8/10) should be maintained properly. The user should be alert that other application removal software should not remove the run-time files.
- The backup CD should be kept very safely, as something happens to the application that he/she can setup it again.

Validation

The system has been tested and implemented successfully and thus ensured that the entire requirement listed in the software requirement specification is completely fulfilled. In case of erroneous input corresponding error messages are displayed.

Chapter 8. Future Scope and Further Enhancement of the project

The proposed project is for the **Interactive Patient Information Management System** governed by Health Department. This software takes care of all the requirements of an average hospital and is capable to provide easy and effective storage of information related to patients that come up to the hospital.

This project has the facility to manage the whole Functionality of Hospital efficiently for all sections like Patient, Doctors and Test etc. It generates test reports; provide prescription details including various tests and medicines prescribed to patient by doctor. It also provides billing facility to indoor patient.

Also **Interactive Patient Information Management System** still remained to Computerizes if i want to further extend or enhance the project then the left sections can be included in addition with this existing system.

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