



*Where hope is cured*

## Database Project

### Step One Report

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**Course Code: MIS 6326.001**

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## 1. Company Background

Believe Health Care Center is a General Hospital that was established on January 1990 in Richardson, Texas. The purpose of constructing the Believe Health Care Center was to serve the people of Richardson city who had to go all the way to the city of Dallas to obtain proper medical treatment. The Hospital has been growing ever since in terms of patients and medical facilities provided to its patients.

The medical facilities provided by the hospital are as follows:

Clinics with the following kinds of doctors:

- Pediatrician
- General Physician
- Dermatologist
- Eye Specialist
- Dentist
- Cardiologist
- Neurologist

A General Ward

Emergency Rooms

Private Rooms

An Intensive Care Unit

A Medical Laboratory

A Pharmacy

## 2. Problems

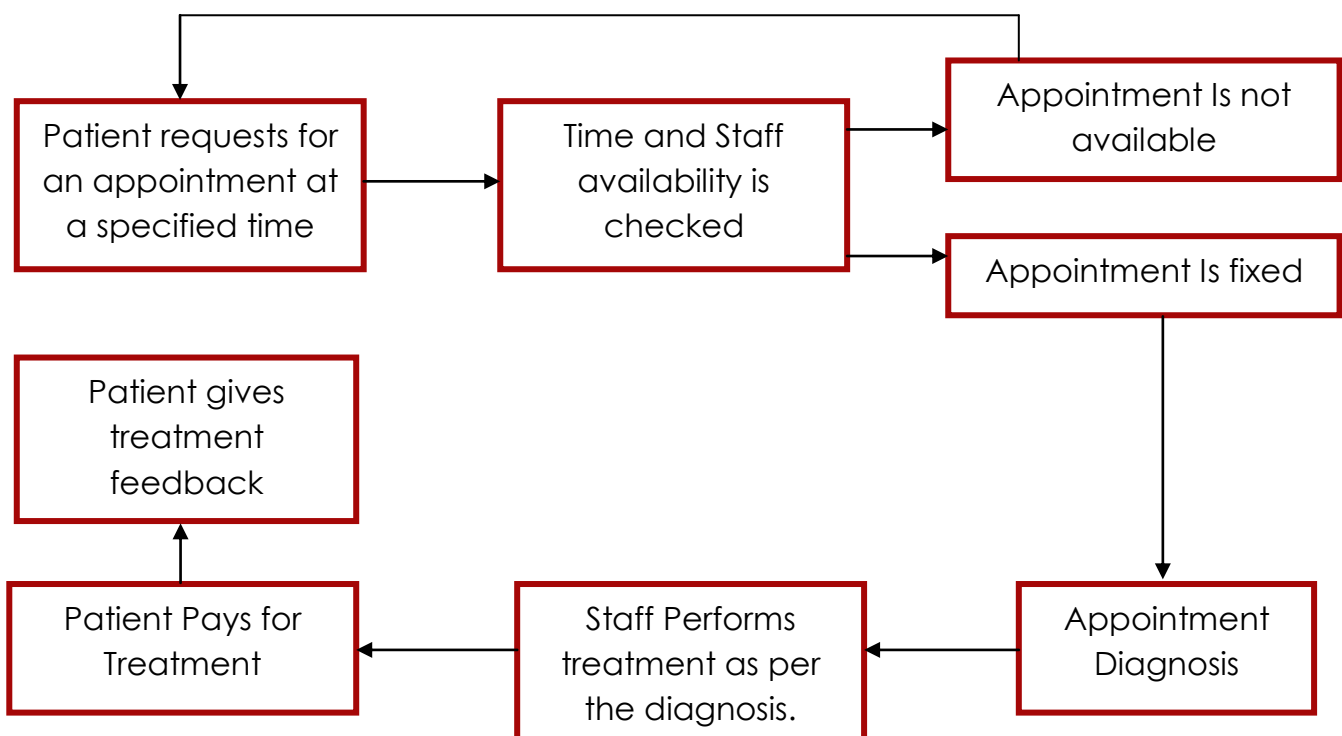
The hospital has been around for a long while. Ever since the hospital doubled its growth after announcing its tie up with the government to provide better schemes to the patients, new patients keep coming in everyday along with those who are loyal customers. With the boost in the incoming public, the hospital has identified that the database system it has in place to keep track of patient records and appointments isn't efficient in the following ways:

- Proper regulations aren't in place with regards to how data of a patient is collected. Some patient details are recorded directly into the databases in the system, while other resort to writing the details down on paperwork which sometimes get lost.
- A patient's record for previous visits is not properly stored and causes problems in tracking patient history.
- A record with up-to date personal information on the patient like address, phone number etc. is not readily available.
- The hospital has so far offered to only keep a year load of data for each patient which is a concern for patients who come back more than a year later.
- Patients arrive at times when a doctor is busy in another appointment.
- Patients who book an appointment do not show up. That is a waste of time for the doctor if there are no walk-in patients and also a missed opportunity for a potential patient who wanted that time slot.

### 3. Proposed solutions and Process

The solutions that a new database for keeping track of patient records and appointments can offer are as follows:

- A regulation to consistently update a centralized database with the help of an online portal and restrictions on any paperwork.
- Up-to date information on a patient's past visits, current situation and any follow-ups that the patient needs to do in terms of medical help or appointments.
- Information of a doctor's availability to a patient.
- Regular updating of cancellation of appointments so that the time slot can be passed on to the next patient who had applied for the same time slot.



## 4. Proposed Tables for Believe Healthcare Centre Database

**Staff Table:** This table is used to record details of the staffs employed in the hospital. Each staff has a unique staff ID (PK). Other details stored in the table will be the staff's name, gender, joining date, designation ID (FK), department ID (FK) to identify what department they belong to.

**Patient Table:** The patient table is used to store information about the patients scheduling an appointment or visiting the hospital. This table includes a unique patient ID (PK), name, gender, address, date of birth, Insurance ID(FK) etc.

**Department Table:** This table stores information on which department a particular staff belongs to like Dental, Cardiology, Neurology etc. The attributes in the table include a unique department ID (PK), department names and the department description.

**Designation Table:** This table is used to store the different roles of the staff like nurse, doctor, administrator etc in the hospital. The attributes in this table will include a designation ID (PK) as primary key and a designation description.

**Facility Table:** This table contains information on the various facilities offered in the hospital like ICU, private rooms, pharmacy, laboratory services etc. There will be a unique facility ID (PK), facility name, facility availability as attributes in the table.

**Visit History Table:** This table is used to store a patient's history to keep track of their visits to the hospital and health record. It will have visit history ID (PK) and the Patient ID(PK) as primary keys. The Treatment ID(FK) and Appointment ID(FK) are foreign keys.

**Appointment Table:** The appointment table contains the details of appointments scheduled for the patients. This table includes attributes like the appointment ID(PK) patient ID(FK), Facility ID(FK), appointment date, time and appointment status attribute that is used to update the status of the scheduled appointments in case they are cancelled or postponed.

**Assigned Staff Table:** The assigned staff table is to keep track of all the staff members that are associated with a particular appointment and treatment. The attributes in this table include a unique assigned staff ID(PK), appointment ID(PK), Staff ID(FK).

**Diagnosis Table:** This table is used to record the diagnosis done at every appointment for a patient. It has a diagnosis ID(PK), diagnosis name, treatment ID(FK) and the appointment ID(FK) as attributes.

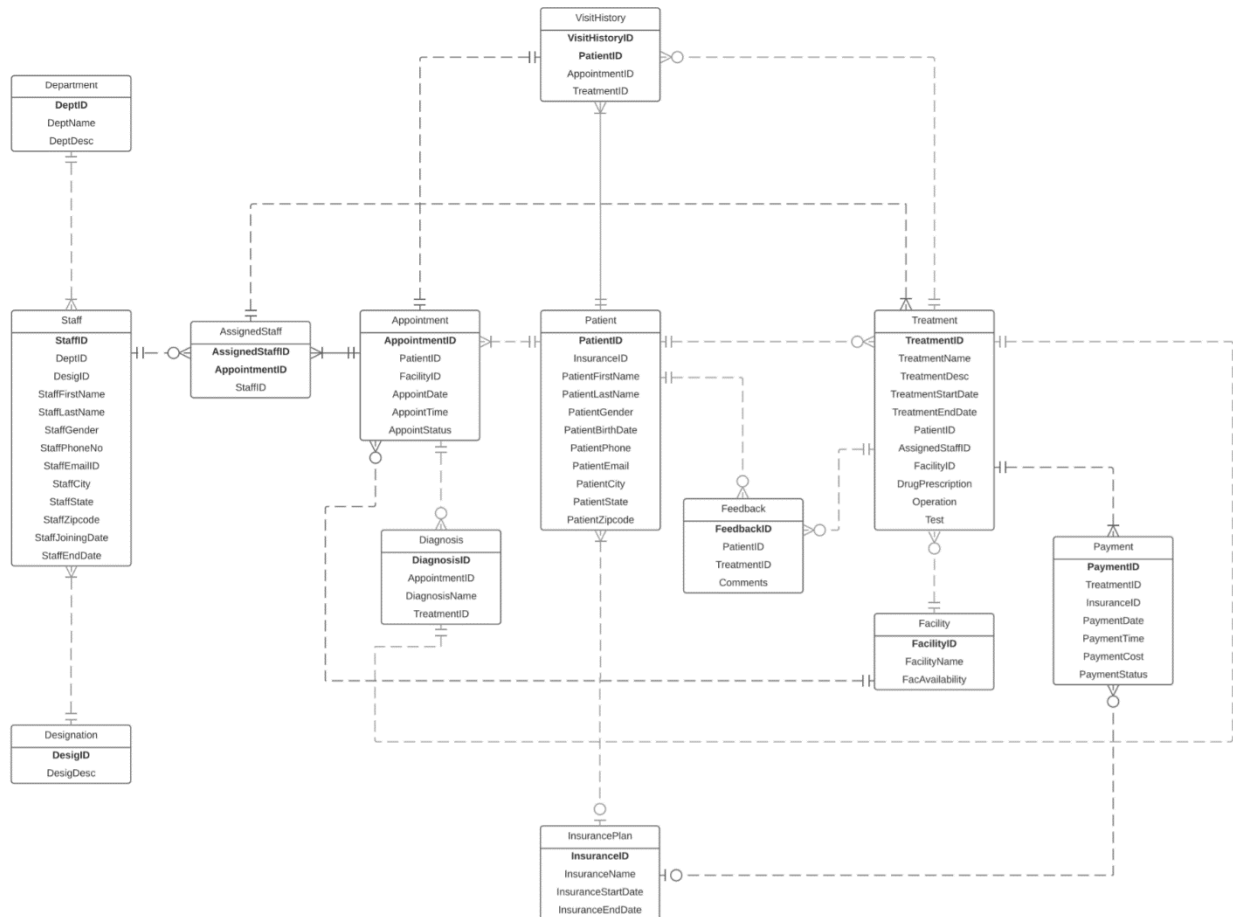
**Treatment Table:** The treatment table is used to store information like the tests required, medicines prescribed, assigned staff, treatment date, treatment time etc. It has a treatment ID(PK), Patient ID(FK), Assigned Staff ID(FK), Facility ID(FK) etc.

**Insurance Plan Table:** The insurance plan table is used to store the insurance details of a patient. Insurance ID(PK), Insurance name, Insurance start date, Insurance end date are a few attributes in this table.

**Payment Table:** This table is used to maintain the appointment/treatment cost details of a patient. It includes a unique payment ID(PK). It also includes treatment ID(FK), Insurance ID(FK) as foreign keys and other attributes like payment date, payment status etc.

**Feedback Table:** This table is used to record feedback from the patients about their views on the treatment services received that can be used to improve hospital operations. It includes a feedback ID which is the primary key. Patient ID and treatment ID will be the foreign keys.

## 5. Entity Relationship Diagram





## 6. Relational Database Schema

### **CREATE TABLE Patient**

|                  |             |           |
|------------------|-------------|-----------|
| PatientID        | CHAR(11)    | NOT NULL, |
| InsuranceID      | VARCHAR(30) | NOT NULL, |
| PatientFirstName | VARCHAR(30) | NOT NULL, |
| PatientLastName  | VARCHAR(30) | NOT NULL, |
| PatientGender    | CHAR(6)     | NOT NULL, |
| PatientBirthDate | CHAR(6)     | NOT NULL, |
| PatientPhone     | CHAR(14)    | NOT NULL, |
| PatientEmail     | CHAR(20)    | NOT NULL, |
| PatientCity      | CHAR(30)    | NOT NULL, |
| PatientState     | CHAR(2)     | NOT NULL, |
| PatientZipCode   | CHAR(10)    | NOT NULL, |

CONSTRAINT PatientPK PRIMARY KEY (PatientID),  
CONSTRAINT InsuranceFK FOREIGN KEY (InsuranceID) REFERENCES InsurancePlan )

### **CREATE TABLE InsurancePlan**

|                    |             |           |
|--------------------|-------------|-----------|
| InsuranceID        | VARCHAR(30) | NOT NULL, |
| InsuranceName      | VARCHAR(30) | NULL,     |
| InsuranceStartDate | DATETIME    | NOT NULL, |
| InsuranceEndDate   | DATETIME    | NOT NULL, |

CONSTRAINT InsurancePK PRIMARY KEY (InsuranceID))

### **CREATE TABLE Department**

(DeptID                VARCHAR(30) NOT NULL,  
DeptName            VARCHAR(30) NOT NULL,  
DeptDesc            VARCHAR(30) NOT NULL  
CONSTRAINT DepartmentPK PRIMARY KEY (DeptID))

### **CREATE TABLE Designation**

(DesigID            VARCHAR(30)        NOT NULL,  
DesigDesc           VARCHAR(30)        NOT NULL,  
CONSTRAINT DesignationPK PRIMARY KEY (DesignID))

### **CREATE TABLE Staff**

(StaffID            VARCHAR(30)        NOT NULL,  
DeptID              VARCHAR(30)        NOT NULL,  
DesigID            VARCHAR(30)        NOT NULL,  
StaffFirstName      VARCHAR(30)        NOT NULL,  
StaffLastName       VARCHAR(30)        NOT NULL,  
StaffGender         CHAR(6)             NOT NULL,  
StaffPhoneNo        CHAR(14)            NOT NULL,  
StaffEmailID        CHAR(20)            NOT NULL,  
StaffCity            CHAR(30)            NOT NULL,  
StaffState           CHAR(2)             NOT NULL,  
StaffZipCode        CHAR(10)            NOT NULL,  
StaffJoiningDate    DATETIME            NOT NULL,  
StaffEndDate        DATETIME            NOT NULL,  
CONSTRAINT StaffPK PRIMARY KEY (StaffID),  
CONSTRAINT DepartmentFK FOREIGN KEY (DeptID) REFERENCES Department,  
CONSTRAINT DesignationFK FOREIGN KEY (DesigID) REFERENCES Designation )

### **CREATE TABLE Facility**

(FacilityID            VARCHAR(30)       NOT NULL,  
FacilityName        VARCHAR(30)       NOT NULL,  
FacAvailability      VARCHAR(30)       NOT NULL,  
CONSTRAINT FacilityPK PRIMARY KEY (FacilityID))

### **CREATE TABLE Treatment**

(TreatmentID            VARCHAR(30)       NOT NULL,  
TreatmentName        VARCHAR(30)       NOT NULL,  
TreatmentDesc        VARCHAR(30)       NOT NULL,  
TreatmentStartDate    DATETIME          NOT NULL,  
TreatmentEndDate      DATETIME          NOT NULL,  
PatientID              CHAR(11)          NOT NULL,  
AssignedStaffID        VARCHAR(30)       NOT NULL,  
FacilityID              VARCHAR(30)       NOT NULL,  
DrugPrescription      VARCHAR(30)       NOT NULL,  
Operation              VARCHAR(30)       NOT NULL,  
Test                    VARCHAR(30)       NOT NULL,  
CONSTRAINT TreatmentPK PRIMARY KEY (TreatmentID),  
CONSTRAINT PatientFK FOREIGN KEY (PatientID) REFERENCES Patient,  
CONSTRAINT AssignedStaffFK FOREIGN KEY (AssignedStaffID) REFERENCES  
AssignedStaff,  
CONSTRAINT FacilityFK FOREIGN KEY (FacilityID) REFERENCES Facility )

### **CREATE TABLE Payment**

(PaymentID        VARCHAR(30)        NOT NULL,  
TreatmentID       VARCHAR(30)        NOT NULL,  
InsuranceID        VARCHAR(30)        NOT NULL,  
PaymentDate        DATETIME            NOT NULL,  
PaymentTime        TIME                 NOT NULL,  
PaymentCost        VARCHAR(30)        NOT NULL,  
PaymentStatus      VARCHAR(30)        NOT NULL,  
CONSTRAINT PaymentPK PRIMARY KEY (PaymentID),  
CONSTRAINT TreatmentnewFK FOREIGN KEY (TreatmentID) REFERENCES Treatment,  
CONSTRAINT InsurancenewFK FOREIGN KEY (InsuranceID) REFERENCES InsurancePlan)

### **CREATE TABLE Feedback**

(FeedbackID        VARCHAR(30)        NOT NULL,  
PatientID           CHAR(11)            NOT NULL,  
TreatmentID        VARCHAR(30)        NOT NULL,  
Comments           VARCHAR(30)        NULL,  
CONSTRAINT FeedbackPK PRIMARY KEY (FeedbackID),  
CONSTRAINT Patientnew1FK FOREIGN KEY (PatientID) REFERENCES Patient,  
CONSTRAINT Treatmentnew1FK FOREIGN KEY (TreatmentID) REFERENCES Treatment)

**CREATE TABLE VisitHistory**

(VisitHistoryID            VARCHAR(30)    NOT NULL,  
PatientID                CHAR(11)        NOT NULL,  
TreatmentID            VARCHAR(30)    NOT NULL,  
AppointmentID          VARCHAR(30)    NOT NULL,  
CONSTRAINT VisitHistoryIDPK PRIMARY KEY (VisitHistoryID),  
CONSTRAINT Patientnew2FK FOREIGN KEY (PatientID) REFERENCES Patient,  
CONSTRAINT Treatmentnew2FK FOREIGN KEY (TreatmentID) REFERENCES Treatment  
CONSTRAINT Appointmentnew2FK FOREIGN KEY (AppointmentID) REFERENCES  
Appointment  
CONSTRAINT PatientID2PK PRIMARY KEY (PatientID))

**CREATE TABLE Appointment**

(AppointmentID          VARCHAR(30)    NOT NULL,  
PatientID                CHAR(11)        NOT NULL,  
FacilityID                VARCHAR(30)    NOT NULL,  
AppointDate             DATETIME        NOT NULL,  
AppointTime             TIME             NOT NULL,  
AppointStatus            VARCHAR(30)    NOT NULL,  
CONSTRAINT AppointmentPK PRIMARY KEY (AppointmentID),  
CONSTRAINT FacilityFK FOREIGN KEY (FacilityID) REFERENCES Facility,  
CONSTRAINT Patientnew3FK FOREIGN KEY (PatientID) REFERENCES Patient)

**CREATE TABLE AssignedStaff**

```
(AssignedStaffID      VARCHAR(30)      NOT NULL
AppointmentID         VARCHAR(30)      NOT NULL,
StaffID               VARCHAR(30)      NOT NULL,
DesigID               VARCHAR(30)      NOT NULL
CONSTRAINT AssignStaffPK PRIMARY KEY (AssignedStaffID),
CONSTRAINT AppointmentPK PRIMARY KEY (AppointmentID),
CONSTRAINT AppointmentFK FOREIGN KEY (AppointmentID) REFERENCES
Appointment
CONSTRAINT Staffnew2FK FOREIGN KEY (StaffID) REFERENCES Staff);
```

**CREATE TABLE Diagnosis**

```
(DiagnosisID          VARCHAR (15)      NOT NULL,
AppointmentID         VARCHAR(30)      NOT NULL,
DiagnosisName         VARCHAR(30)      NOT NULL,
TreatmentID           VARCHAR(30)      NOT NULL,
CONSTRAINT DiagnosisPK PRIMARY KEY (DiagnosisID),
CONSTRAINT Appointmentnew3FK FOREIGN KEY (AppointmentID) REFERENCES
Appointment,
CONSTRAINT TreatmentIDnew34FK FOREIGN KEY (TreatmentID) REFERENCES
Treatment)
```

## 7. Believe Health Care Center Main Menu

The Hospital Administrators will navigate through the Hospital database with the help of the Main Menu where they will be directed to all the different aspects of the database.



Patient



Staff



Facilities



Departments



About us

Generate Hospital Reports

## 8. Data Input and Manipulation Screen Forms

### Patient Form:

The Patient form helps you to navigate through the patient details. For each patient, the administrator can view the patient's appointments, treatments, patient bills, visit history and any feedback he gave for a particular treatment.

It also allows you to add, edit and delete a patient record.

### Patient

Find Patient

PatientID

1001

InsuranceID

I12564

PatientFirstName

Roshni

PatientLastName

Prasad

PatientGender

F

PatientBirthDate

8/24/1995

PatientPhone

4698317950

PatientEmail

roshprasad@gmail.com

PatientCity

Plano

PatientState

TX

PatientZipCode

75025

Add Patient

Edit Patient

Delete Patient

View Appointments

View Treatments

View Patient Bills

View History

View Feedback

Previous Patient

Next Patient

Close

Clicking 'View appointments' will show the appointments that a patient has and the diagnosis that resulted from that appointment.

### Patient Appointments

InsuranceID

I12564

PatientFirstName

Roshni

PatientLastName

Prasad

PatientGender

F

PatientBirthDate

8/24/1995

PatientPhone

4698317950

PatientEmail

roshprasad@gmail.com

PatientCity

Plano

PatientID

1001

PatientState

TX

PatientZipCode

75025

|   | AppointmentID | PatientID | FacilityID | AppointDate | AppointTime | AppointStatus |
|---|---------------|-----------|------------|-------------|-------------|---------------|
| ▶ | A90166        | 1001      | F08        | 4/7/2007    | 4:00:00 PM  | Completed     |
| * |               | 1001      |            |             |             |               |

Show Appointment Diagnosis

Record: 1 of 1

Add Appointment

Close



Clicking 'View Treatments' will show the treatment details for a patient.

### Patient Treatments

PatientID

1001

InsuranceID

I12564

PatientFirstName

Roshni

PatientLastName

Prasad

PatientGender

F

PatientBirthDate

8/24/1995

PatientPhone

4698317950

PatientEmail

roshprasad@gmail.com

PatientCity

Plano

PatientState

TX

PatientZipCode

75025

| TreatmentID | TreatmentName      | TreatmentDesc           | TreatmentStartDate | TreatmentEndDate |
|-------------|--------------------|-------------------------|--------------------|------------------|
| T1100       | Arrhythmias allevi | Coronary artery disease | 11/15/2014         |                  |
| *           |                    |                         |                    |                  |

Record: 1 of 1 | No Filter | Search

Add Treatment

Close

Clicking 'View Patient Bills' will show the billing details for a patient.

### Patient Bills

PatientID

1001

TreatmentID

T1100

TreatmentName

Arrhythmias alleviation

TreatmentDesc

Coronary artery disease

TreatmentStartDate

11/15/2014

TreatmentEndDate

11/16/2014

AssignedStaffID

AS10300

FacilityID

F05

DrugPrescription

lo

Operation

No

Test

Yes

| PaymentID | TreatmentID | InsuranceID | PaymentDate | PaymentTime | PaymentCost |
|-----------|-------------|-------------|-------------|-------------|-------------|
| P23456    | T1100       | I10086      | 11/16/2014  | 2:35:00 PM  | \$7,976     |
| *         | T1100       |             |             |             |             |

Record: 1 of 1 | No Filter | Search

Previous Patient

Next Patient

Treatments with no payments are Ongoing treatments.  
Cost will be added when Treatment finishes.

Close

Clicking 'View History' will show the visit details for a patient to the hospital for appointments and treatments.

### Patient History

|                  |                      |
|------------------|----------------------|
| PatientID        | 1001                 |
| InsuranceID      | I12564               |
| PatientFirstName | Roshni               |
| PatientLastName  | Prasad               |
| PatientGender    | F                    |
| PatientBirthDate | 8/24/1995            |
| PatientPhone     | 4698317950           |
| PatientEmail     | roshprasad@gmail.com |
| PatientCity      | Plano                |
| PatientState     | TX                   |
| PatientZipCode   | 75025                |

| VisitHistoryID | PatientID | TreatmentID | Appoint |
|----------------|-----------|-------------|---------|
| H1111          | 1001      | T1100       | A90166  |
| *              | 1001      |             |         |

Record: 1 of 1 No Filter Search

Close

Clicking 'View Feedback' will show all the feedback ever given by the patient for treatments.

### Patient Feedback

|                  |                      |
|------------------|----------------------|
| PatientID        | 1001                 |
| InsuranceID      | I12564               |
| PatientFirstName | Roshni               |
| PatientLastName  | Prasad               |
| PatientGender    | F                    |
| PatientBirthDate | 8/24/1995            |
| PatientPhone     | 4698317950           |
| PatientEmail     | roshprasad@gmail.com |
| PatientCity      | Plano                |
| PatientState     | TX                   |
| PatientZipCode   | 75025                |

| FeedbackID | PatientID | TreatmentID | Comments   |
|------------|-----------|-------------|--|
| F00100     | 1001      | T1100       | Unsatisfactory. Lab test reports were misplaced. |

Record: 1 of 1 No Filter Search

Close

## Staff Form:

The Staff form helps you to navigate through the staff details. For each staff member, the administrator can view the staff's appointments and assigned treatments. It also allows you to add, edit and delete a staff member record.

**Staff**

Find Staff

StaffID

S1010

DeptID

D09

DesigID

Des07

StaffFirstName

Frank

StaffLastName

Andrews

StaffGender

M

StaffPhoneNo

9723633948

StaffEmailID

frank-andrew@bhc.com

StaffCity

Plano

StaffState

TX

StaffZipCode

75054

StaffJoiningDate

10/10/2008

StaffEndDate

Add Staff

View Appointments

Edit Staff

View Assigned Treatments

Delete Staff

Previous Staff

Next Staff

Close

Clicking 'View Appointments' will show all the details of the appointments a staff member may have and the diagnosis that he made at that appointment for a particular patient.

**Staff Appointments**

StaffID

S1010

DeptID

D09

DesigID

Des07

StaffFirstName

Frank

StaffLastName

Andrews

StaffGender

M

StaffPhoneNo

9723633948

StaffEmailID

frank-andrew@bhc.com

StaffCity

Plano

StaffState

TX

StaffZipCode

75054

StaffJoiningDate

10/10/2008

StaffEndDate

Assigned Treatment Operating Team

AssignedStaffID

AS10800

AppointmentID

A90166

StaffID

S1010

DesigID

Des07

| AppointmentID | PatientID | FacilityID | AppointDate | AppointTime | AppointStatus |
|---------------|-----------|------------|-------------|-------------|---------------|
| A90166        | 1001      | F08        | 4/7/2007    | 4:00:00 PM  | Completed     |
| A90166        |           |            |             |             |               |

View Appointment Diagnosis

Record: 1 of 1

Record: 1 of 2

Close

Clicking 'View Assigned Treatments' will show all the details of the treatments the staff member has performed.

### Staff Treatments

|                  |                      |
|------------------|----------------------|
| StaffID          | S1010                |
| DeptID           | D09                  |
| DesigID          | Des07                |
| StaffFirstName   | Frank                |
| StaffLastName    | Andrews              |
| StaffGender      | M                    |
| StaffPhoneNo     | 9723633948           |
| StaffEmailID     | frank-andrew@bhc.com |
| StaffCity        | Plano                |
| StaffState       | TX                   |
| StaffZipCode     | 75054                |
| StaffJoiningDate | 10/10/2008           |
| StaffEndDate     |                      |

AssignedStaffIDAS10800AppointmentIDA90166StaffIDS1010DesigIDDes07

| TreatmentID | TreatmentName   | TreatmentDesc         |
|-------------|-----------------|-----------------------|
| T3000       | Leukemia remova | Bone Marrow Treatment |

Record: 1 of 1No FilterSearch

Record: 1 of 2No FilterSearch

Close

## Facilities Form

The facilities form will help you navigate through the different facilities at the hospital and will show the details for all the appointments and treatments that may take place at a particular facility.

### Facility

|                 |                                     |
|-----------------|-------------------------------------|
| FacilityID      | F01                                 |
| FacilityName    | Private Room                        |
| FacAvailability | <input checked="" type="checkbox"/> |

View Appointments at Facility

View Treatments at Facility

Previous FacilityNext FacilityClose

Clicking 'View Appointments at Facility' will show the details of appointments at that facility.

**Facility Appointments**

FacilityID:

FacilityName:

FacAvailability: ☒

| AppointmentID | PatientID | FacilityID | AppointDate |
|---------------|-----------|------------|-------------|
| A90165        | 1936      | F04        | 8/20/2009   |
| A90167        | 1214      | F04        | 11/10/2011  |
| A90170        | 1340      | F04        | 10/23/2003  |
| A90172        | 2300      | F04        | 11/24/2016  |

Record: 1 of 5    No Filter    Search

Clicking 'View Treatments at Facility' will show the details of treatments at that facility.

**Facility Treatments**

FacilityID:

FacilityName:

FacAvailability: ☒

| TreatmentID | TreatmentName       | TreatmentDesc    | TreatmentStartDate | TreatmentEndDate | PatientID |
|-------------|---------------------|------------------|--------------------|------------------|-----------|
| T1000       | Pelvic pain release | Unusual vulvar   | 11/10/2011         | 11/13/2011       | 121       |
| T4000       | Bonding             | Tooth Bonding f  | 8/20/2009          | 8/30/2009        | 193       |
| T5000       | Seborrheic dermat   | Rashes on the sc | 10/23/2003         | 10/29/2003       | 101       |
| *           |                     |                  |                    |                  |           |

Record: 1 of 3    No Filter    Search

## Departments Form

The department form helps you to navigate through the details of all the departments at the hospital.

**Department**

DeptID:

DeptName:

DeptDesc:

**Staff at the Department**

| StaffID | DeptID | DesigID | StaffFirstName | StaffLastName | StaffGender | StaffPhoneNo | StaffEmail |
|---------|--------|---------|----------------|---------------|-------------|--------------|------------|
| S1211   | D01    | Des01   | Meredith       | Butler        | F           | 9723633956   | mere       |
| *       | D01    |         |                |               |             |              |            |

Record: 1 of 1    No Filter    Search

## **About us form**

This form gives a brief introduction of the hospital to give a warm welcome to someone who is new to working as a database administrator.

Believe Health Care Center is a General Hospital that was established on January 1990 in Richardson, Texas. The purpose of constructing the Believe Health Care Center was to serve the people of Richardson city who had to go all the way to the city of Dallas to obtain proper medical treatment. The Hospital has been growing ever since in terms of patients and medical facilities provided to its patients.

Signed By:  
Preeti Natarajan  
Jibran Asif Shareef  
Kumar Nischal  
Syed Imran Naqvi

## **Report form**

Helps you to generate specific hospital reports.

Report menu

Generate Patient Appointment Details

Generate Patient Visit History

Generate Patient Feedback

Generate Patient Treatment Costs

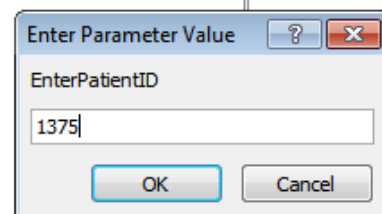
Generate Department Staff Count

## 9. Sample Reports

### Patient Appointment details

This report helps you look at all the appointments that a particular patient has had and the diagnosis he has received in each.

Generate Patient Appointment Details



#### Patient Appointment Details

| PatientID | PatientFullName | AppointmentID | PatientPhone | AssignedStaffID | DiagnosisName                 | FacilityName       | AppointDate | AppointTime | AppointStatus |
|-----------|-----------------|---------------|--------------|-----------------|-------------------------------|--------------------|-------------|-------------|---------------|
| 1375      | Bay Kennish     | A90164        | 9727041654   | AS10990         | Skin colour pale due to warts | ICU                | 3/22/2004   | 3:00:00 PM  | Completed     |
|           |                 | A90169        | 9727041654   | AS10600         | Cataract                      | Diagnostic Imaging | 4/3/2013    | 4:00:00 PM  | Completed     |

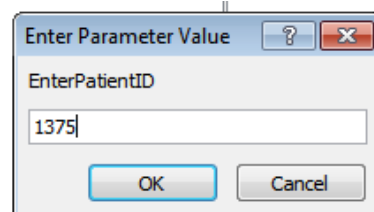
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### Patient visit history

This report helps you look at all the times the patient has visited the hospital for an appointment or a treatment.

Generate Patient Visit History



#### Patient Visit History

| PatientID | PatientFullName | AppointmentID | AppointDate | AppointTime | TreatmentID | TreatmentDesc                 | TreatmentStartDate | TreatmentEndDate |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------------------------|--------------------|------------------|
| 1375      | Bay Kennish     | A90164        | 3/22/2004   | 3:00:00 PM  | T2000       | Viral Skin Disease            | 11/10/1997         | 12/1/1997        |
|           |                 | A90169        | 4/3/2013    | 4:00:00 PM  | T9200       | Replacement with 78model lens | 11/2/2017          | 9/8/2017         |

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## Patient Feedback

This report helps you look at all the feedback that a patient has given for all his treatments.

Generate Patient Feedback

Enter Parameter Value

Enter PatientID

1936

OK

Cancel

## Patient Feedback

| PatientID | PatientFullName | TreatmentName | AssignedStaffID | Comments  |
|-----------|-----------------|---------------|-----------------|---|
| 1936      | Emily Parrish   | Bonding       | AS10500         | Satisfactory. Specialized care center services can be better. |

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## Patient Treatment Costs

This report helps you look at the total costs for a patient for all his treatments.

Generate Patient Treatment Costs

Enter Parameter Value

EnterPatientID

1936

OK

Cancel



## Patient Treatment Costs

| PatientID | PatientFullName | InsuranceID | TreatmentID | TreatmentName | PaymentCost | PaymentStatus |
|-----------|-----------------|-------------|-------------|---------------|-------------|---------------|
| 1936      | Emily Parrish   | I16432      | T4000       | Bonding       | \$871.00    | Due           |
|           |                 |             | T9100       | Chemotherapy  | \$1,800.00  | Due           |
| Total     |                 |             |             |               | \$2,671.00  |               |

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## Department Staff Count

This report generates the total number of staff members present in each department.

Generate Department Staff Count

## Department Staff Count

| DeptName    | NumberOfMembers |
|-------------|-----------------|
| Admissions  | 1               |
| Cardiology  | 2               |
| Dental      | 1               |
| Dermatology | 1               |
| ENT         | 1               |
| Gynecology  | 2               |
| Neurology   | 1               |
| Oncology    | 1               |
| Pediatrics  | 1               |

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## 10. Contributions

- **Kumar Nischal:**

Proposed the idea of the project

Created the initial ERD and helped in finalising it

Worked on inputting data into the database

Helped creating the project report

- **Jibran Asif Shareef:**

Created the initial ERD and helped in finalising it

Designed and Created Forms

Helped creating queries for the business reports

Formatted and aligned forms and reports

Built the menu driven environment

Helped creating the project report

- **Preeti Natarajan:**

Created the initial ERD and helped in finalising it

Worked on inputting data into the database

Developed queries and business reports

Formatted and aligned reports in Access

Helped creating the project report

- **Syed Naqvi:**

Created tables in the database

Created Relational database schema

Developed queries and business reports

Helped in creating the project report