Hospital Management System

Project Submitted by:

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Section: 60_B
Department of Computer Science and Engineering
Daffodil International University

Project Submitted to:

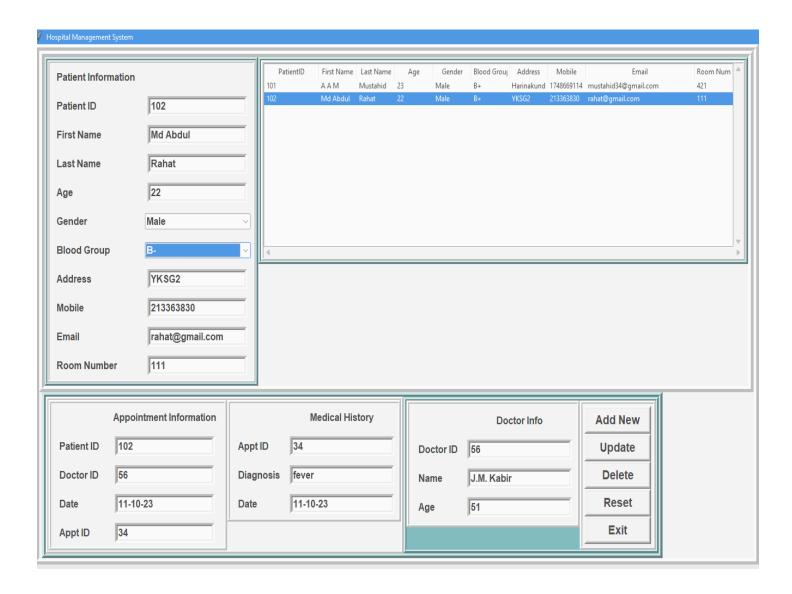**Ms. Nusrat Khan**
Lecturer
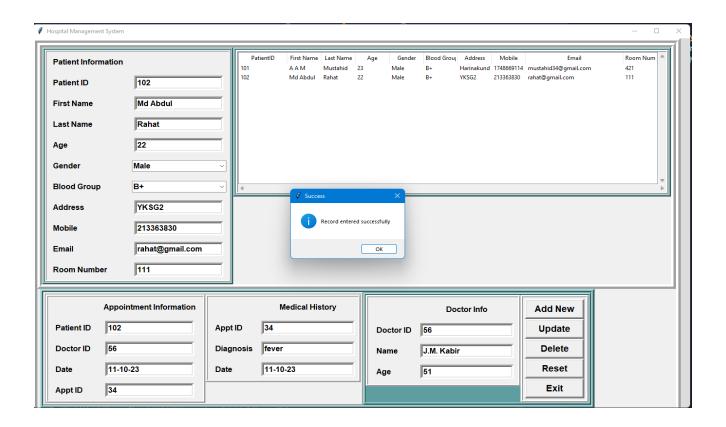Dept. Computer Science & Engineering

Md. Shohidul Islam Polash
Lectrurer
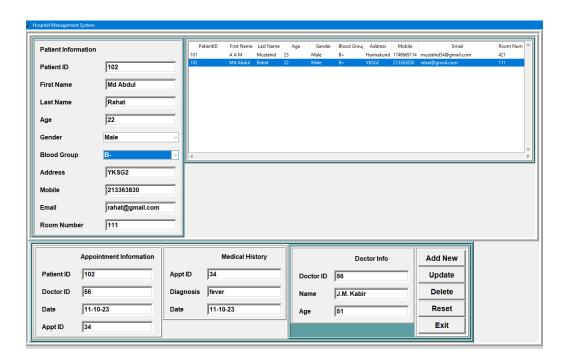Dept. of Computer Science & Engineering

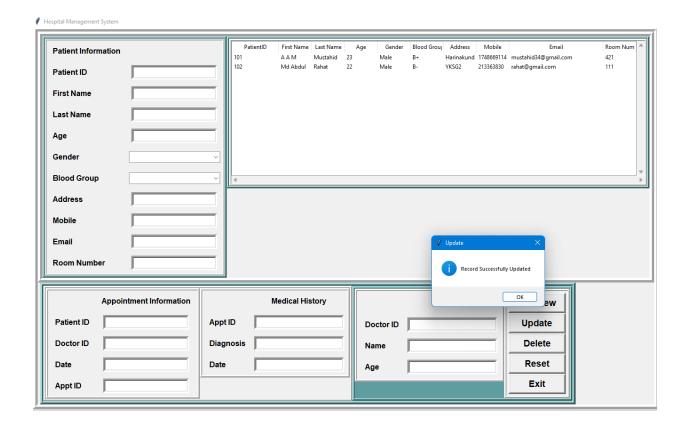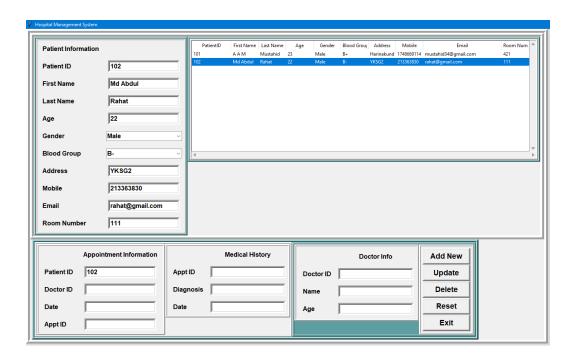## Key Functionalities of the project:

1. Insert:

PatientID	First Name	Last Name	Age	Gender	Blood Group	Address	Mobile	Email	Room Num
101	A A M	Mustahid	23	Male	B+	Harinakund	1748669114	mustahid34@gmail.com	421
102	Md Abdul	Rahat	22	Male	B+	YKSG2	213363830	rahat@gmail.com	111

Patient Information

Patient ID	102
First Name	Md Abdul
Last Name	Rahat
Age	22
Gender	Male
Blood Group	B-
Address	YKSG2
Mobile	213363830
Email	rahat@gmail.com
Room Number	111

Appointment Information

Patient ID	102
Doctor ID	56
Date	11-10-23
Appt ID	34

Medical History

Appt ID	34
Diagnosis	fever
Date	11-10-23

Doctor Info

Doctor ID	56
Name	J.M. Kabir
Age	51

Add New
Update
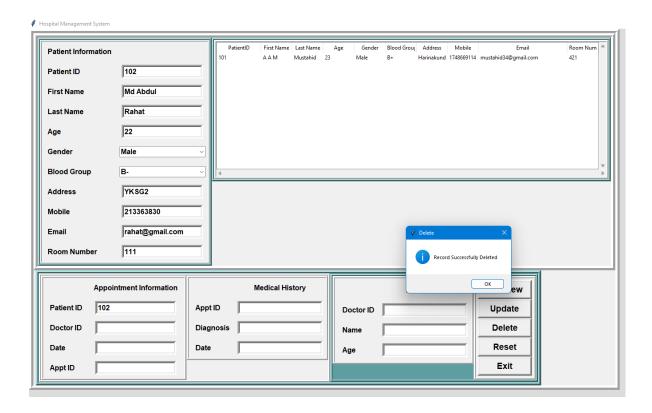Delete
Reset
Exit

Hospital Management System

2. Update:

3. Delete:
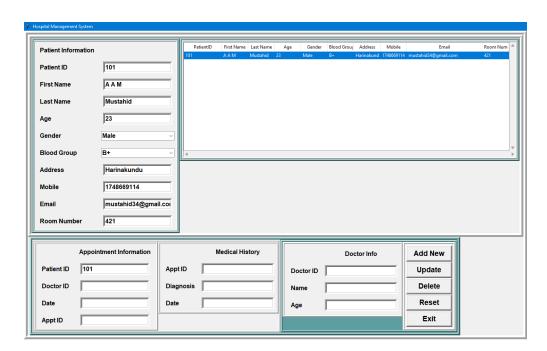
 Before Deleting

After the deletion:

4. Reset:

5. Exit:

SQL Query :

1. **Insert**
2. **Select**
3. **Update**
4. **Delete**
5. **Reset**
6. **Exit**

```
CREATE TABLE patient (
  PatientID varchar(50) NOT NULL,
  FirstName varchar(50) NOT NULL,
  LastName varchar(50) DEFAULT NULL,
  Age int(11) NOT NULL,
  Gender varchar(45) NOT NULL,
  BloodGroup varchar(45) NOT NULL,
  Address varchar(45) DEFAULT NULL,
  Mobile int(11) NOT NULL,
  Email varchar(45) NOT NULL,
  RoomNumber int(11) DEFAULT NULL
);

CREATE TABLE doctor (
  DoctorID varchar(50) NOT NULL,
  Name varchar(45) NOT NULL,
  Age varchar(45) DEFAULT NULL
);

CREATE TABLE appointment (
  patientID varchar(50) NOT NULL,
  apptID int(11) NOT NULL,
  doctorID varchar(50) NOT NULL,
  date varchar(50) NOT NULL
);

CREATE TABLE medicalhistory (
  apptID int(11) NOT NULL,
  diagnosis varchar(45) NOT NULL,
```

```sql
  date varchar(50) DEFAULT NULL
);

INSERT INTO patient (PatientID, FirstName, LastName, Age, Gender, BloodGroup,
Address, Mobile, Email, RoomNumber) VALUES
('P01', 'Md. Abdul Rabbi', 'Rahat', 22, 'Male', 'AB+', 'YKSG2,Ashulia,Dhaka',
019########, 'lrabbi15-4583@diu.edu.bd', NULL),
('P02', 'AAM', 'Mustahid', 22, 'Male', 'AB-', 'Changaon,Ashulia,Dhaka', 017########,
'mustahid15-4251@diu.edu.bd', 421),
('P03', 'Anamika', 'Lily', 23, 'Female', 'O-', 'Zirabo,Ashulia,Dhaka', 018########,
'anamika15-4246@diu.edu.bd', NULL),
('P04', 'Walid', 'Khan', 24, 'Male', 'A+', 'Mirpur 10,Dhaka', 015########,
'walid15-4275@diu.edu.bd', 325),
('P05', 'Shohidul', 'Islam', 23, 'Male', 'B+', 'Paltan,Dhaka', 018########,
'shohidul@gmail.com', NULL);

INSERT INTO doctor (DoctorID, Name, Age) VALUES
('D01', 'Dr. Wlater White', '55'),
('D02', 'Dr. Shaun Murphy', '27'),
('D03', 'Dr. Stephen Strange', '45');


INSERT INTO appointment (patientID, apptID, doctorID, date) VALUES
('P01', 1, 'D01', '5th November 2023'),
('P02', 11, 'D01', '11th November 2023'),
('P03', 31, 'D02', '13th November 2023'),
('P04', 2, 'D03', '14th November 2023'),
('P05', 7, 'D03', '17th November 2023');

INSERT INTO medicalhistory (apptID, diagnosis, date) VALUES
(1, 'Keratoconous', '5th November 2023'),
(11, 'Back Pain', '11th November 2023'),
(31, 'Headache', '13th November 2023'),
(2, 'Retina', '14th November 2023'),
(7, 'Regular Checkup', '17th November 2023');


SELECT * FROM 'Hospital_Management_System'.'patient' WHERE PatientID = 'A01';
SELECT * FROM 'Hospital_Management_System'.'doctor' WHERE Name = 'Dr. Shaun
Murphy';
```

SELECT * FROM 'Hospital_Management_System'.'appointment' WHERE apptID = 11;
SELECT * FROM 'Hospital_Management_System'.'medicalhistory' WHERE diagnosis = 'Keratoconus';

UPDATE 'Hospital_Management_System'.'patient' SET Age=23 WHERE PatientID = 'A02';
UPDATE 'Hospital_Management_System'.'doctor' SET Name='Dr. Strange' WHERE Name = 'Dr. Stephen Strange';
UPDATE 'Hospital_Management_System'.'appointment' SET Date='14th November 2023' WHERE apptID = 31;
UPDATE 'Hospital_Management_System'.'medicalhistory' SET diagnosis='Fever' WHERE diagnosis = 'Retina';

DELETE FROM 'Hospital_Management_System'.'patient' WHERE PatientID = 'A05';
DELETE FROM 'Hospital_Management_System'.'doctor' WHERE Name = 'Dr. Walter White';
DELETE FROM 'Hospital_Management_System'.'appointment' WHERE apptID = 7;
DELETE FROM 'Hospital_Management_System'.'medicalhistory' WHERE diagnosis = 'Regular Checkup';

—--END—--