



Spring-2024 DataBase Systems (CS-103)

Lab Task # 02

Database Application Using Microsoft Access

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Date: 19 March 2023

Important Instruction

1. No plagiarism allowed.
2. You will required to submit only soft copy via google classroom
3. Late submission not accepted
4. Rename submission file DB24-Name-RegNo. like: **DB24-hamza-1234**
5. You will required to submit **Microsoft access** file with extension **.accdb**

Question 1

Hospital management System

A Hospital Management System is an integrated information system for managing all aspects of a hospital's operations such as medical, financial, administrative, legal, and compliance. It includes electronic health records, business intelligence, and revenue cycle management. Hospitals and healthcare facilities improve the quality of healthcare services, reduce operating costs, and improve the revenue cycle by using such hospital management systems. Your Task is to Create a Table, Form, and Report which contains the following information:

Note: Each form perform following operation:

1. Save Record
2. Add new Record
3. Print Record
4. Search Record
5. Delete Record
6. Close Form
7. Form must be open in separate window

- Create Database name **hospital management system**.
- Admin information table.
- Admin login form.
- Patient Detail table.
- Patient Detail form.
- Doctor Detail table.
- Doctor Detail form.
- Diagnosis Detail table
- Diagnosis Detail form
- Patient Diet Advice form.

- Patient Diet Advice table.
- Create a report of Patient Detail, Diagnosis Detail, Doctor Detail, Patient Diet Advice

Table Details:

1. Admin information table:

Field Name	Data Type	Description
User_Name	Text	
Password	Text	

2. Patient Detail table:

Field Name	Data Type	Example
Name	Text	Ali
Address	Text	Bahria town
City	Text	Rawalpindi
Registration No.	Text	HM24-1256
Registration Date	Date	01-Mar-24
Phone	Number	+921325551122
Gender	Text	Male/Female (Drop down)
Marital Status	Text	Married/Single (Drop down)
Age	Number	20
Father/Husband name	Text	Ahmed

3. Doctor Detail:

Field Name	Data Type	Example
Name	Text	Ali
Address	Text	Bahria town
City	Text	Rawalpindi
Hospital ID	Text	HS24-1256
Hospital joining Date	Date	01-Mar-24
Phone	Number	+921325551122
Gender	Text	Male/Female (Drop down)
Marital Status	Text	Married/Single (Drop down)
Age	Number	20
Father/Husband name	Text	Ahmed

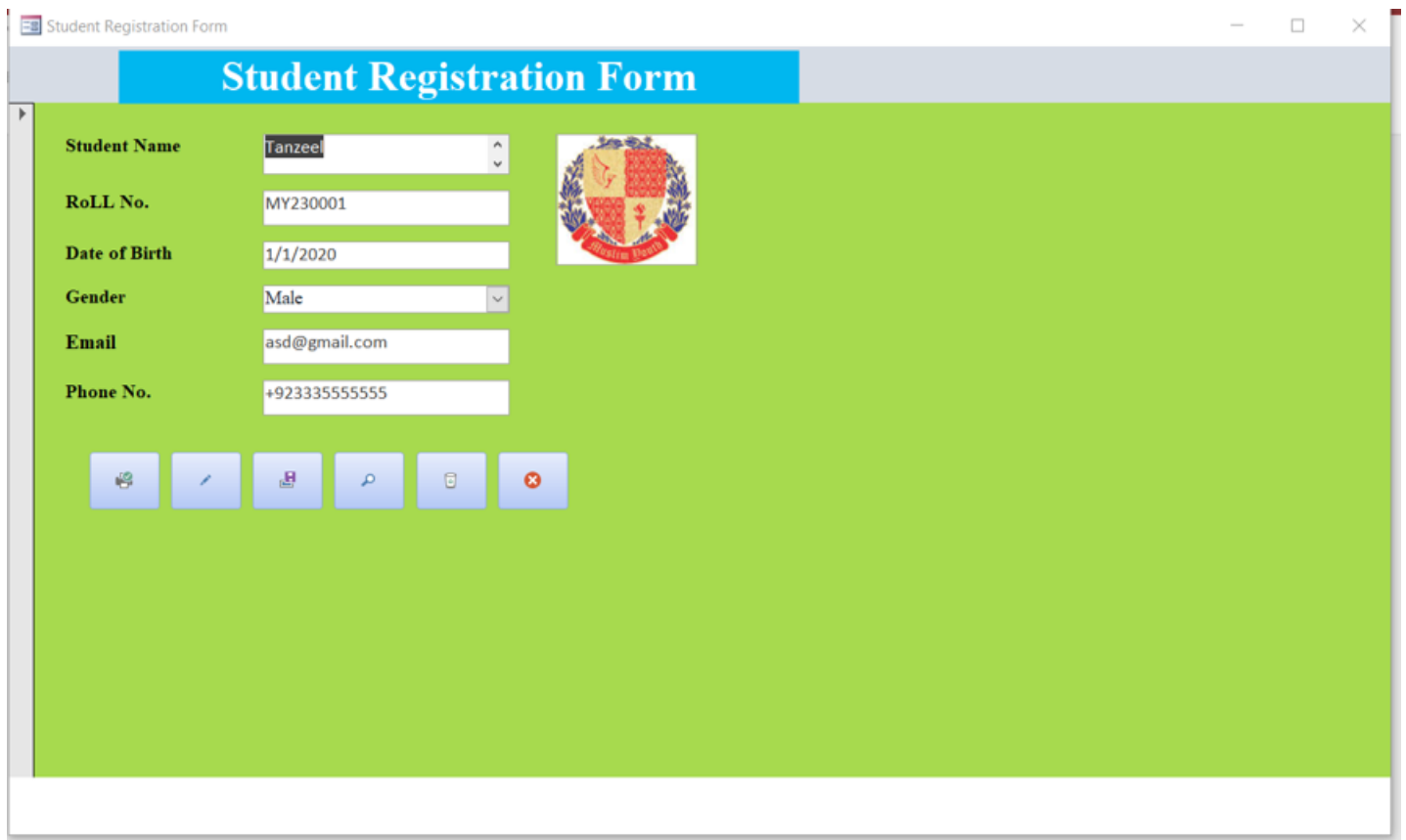
4. Diagnosis Detail table:

Field Name	Data Type	Example
Patient Name	Text	Ali
Registration No	Text	HS24-1256
BioChemistry	Text	Yes/No (Drop down)
Stool	Text	Yes/No (Drop down)
Blood	Text	Yes/No (Drop down)
Colonoscopy	Text	Yes/No (Drop down)
Gastroscopy	Text	Yes/No (Drop down)
Urine	Text	Yes/No (Drop down)
X-Ray	Text	Yes/No (Drop down)
SONOGRAPHY	Text	Yes/No (Drop down)
Others	Text	Text
Reconsultation Advice Week	Text	Text
Reconsultation Advice Date	Date	01-Mar-24
FINAL Diagnosis	Text	Text
ECG	Text	Yes/No (Drop down)

5. Patient Diet Advice table:

Field Name	Data Type	Example
Patient Name	Text	Ali
Registration No	Text	HS24-1256
Doctor Name	Text	Ali
Hospital ID	Text	HS24-1256
Diet Advice	Text	Yes/No (Drop down)

Solution Example of login form:

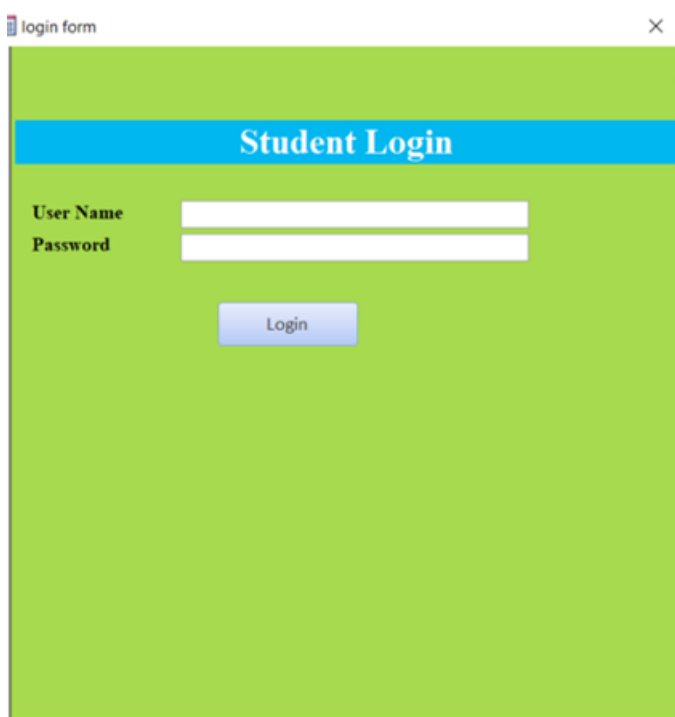


The screenshot shows a window titled "Student Registration Form". The form has a blue header bar with the title "Student Registration Form". The background is light green. The form fields are as follows:

Field Label	Value
Student Name	Tanzeel
RoLL No.	MY230001
Date of Birth	1/1/2020
Gender	Male
Email	asd@gmail.com
Phone No.	+92333555555

Below the form fields is a row of six buttons: a printer icon, a pencil icon, a document icon, a magnifying glass icon, a trash can icon, and a close icon (X).

Example of other detail form:



The screenshot shows a window titled "login form". The form has a blue header bar with the title "Student Login". The background is light green. The form fields are as follows:

Field Label	Value
User Name	
Password	

Below the form fields is a blue button labeled "Login".