EduBridge

A Project

Report On

Student Management System

By

Batch: 2022 – 7397

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Introduction:

Student Management System manages student information in the college . It improves existing system. It has the facility of maintaining the details of the student, thereby reducing the manual work. It will save time and energy which are spending in making reports and collecting data. Student Management System can be accessed throughout the college with proper login provided.

. **Modules:-**

- Student Module
- StudentApp Module
- DBConnection Module

I have developed this Console Application in **Java and MySQL.** It's a Console-based projects so I have used **Core-Java and MySQL.**

The main objective of the Student Management system is to reduce manual work and time. It is difficult and time-consuming to collect all the details from each student. To avoid this problem, we have planned to develop a Console-based Student Management System.

- It manages the details of student records.
- Saves the time of faculties.
- This system makes student information more secure.

Student Module: This module contain all the data of the students.

StudentApp Module: This module contain actual implementation of the student management system.It allows the students to store their informations and access ,modify,delete from the database.

DBConnection Module: This module contain the code for database connection which is used to store,fetch,modify,delete the student records

Software Requirements:

Front end: Java/J2EE technologies.

Back end: MySQL workbench 8.0 CE.

Operating System: Window

Data Dictionary:

- Create Database Student Management;

```
mysql> desc studentInfo;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| studentId      | varchar(4)  | NO   | PRI | NULL    |       |
| studentName    | varchar(20) | NO   |     | NULL    |       |
| gender         | char(6)     | NO   |     | NULL    |       |
| studentAddress | varchar(20) | NO   |     | NULL    |       |
| studentClass   | char(4)     | NO   |     | NULL    |       |
| studentContact | varchar(10) | YES  | UNI | NULL    |       |
| studentEmail   | varchar(30) | YES  | UNI | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)
```

Screenshots:-

Main Menu:

```
=================================================
-----------Student Management System---------------
=================================================
              1)Insert Student Information
              2)View All Student Information
              3)Update Student Information by ID
              4)Delete Student Information by ID
              5)Delete All Student Information
=================================================
Enter Your Choice....
```

Add Student Information:

```
id..
101
Enter Student Name.
Muni
Student gender..
Male
Enter Student Address.
Chennai
Enter Student Class.
X
Enter Student Contact.
9951037513
Enter Email
muni@gmail.com
student information added
```

View Student Information:

```
            1)Insert Student Information
            2)View All Student Information
            3)Update Student Information by ID
            4)Delete Student Information by ID
            5)Delete All Student Information
=====================================================
Enter Your Choice....
2
==========================================================================
101 Muni Male Chennai X 9951037513 muni@gmail.com
102 Venkatesh Male Mumbai V 1234567899 venkatesh@gmail.com
103 Lakshmi Female Delhi IX 4587237628 lakshmi@gmail.com
==========================================================================
Do you want to continue?(Y->Yes/N->No)
```

Update Student Information By Id:

```
            1)Insert Student Information
            2)View All Student Information
            3)Update Student Information by ID
            4)Delete Student Information by ID
            5)Delete All Student Information
=====================================================
Enter Your Choice....
3
enter student id..
103
Enter Student Name.
Lakshmi
enter student gender..
Female
Enter Student Address.
Hyderabad
Enter Student Class.
XI
Enter Student Contact.
9441352693
Enter mail
Lakshmi123@gmail.com
Updated successfully..
Do you want to continue?(Y->Yes/N->No)
```

```
mysql> select * from studentInfo;
+-----------+-------------+--------+---------------+--------------+---------------+----------------------+
| studentId | studentName | gender | studentAddress | studentClass | studentContact | studentEmail        |
+-----------+-------------+--------+---------------+--------------+---------------+----------------------+
| 101       | Muni        | Male   | Chennai       | X            | 9951037513    | muni@gmail.com       |
| 102       | Venkatesh   | Male   | Mumbai        | V            | 1234567899    | venkatesh@gmail.com  |
| 103       | Lakshmi     | Female | Hyderabad     | XI           | 9441352693    | Lakshmi123@gmail.com |
+-----------+-------------+--------+---------------+--------------+---------------+----------------------+
3 rows in set (0.00 sec)
```

Delete Student Information by Id:

```
y
                    1)Insert Student Information
                    2)View All Student Information
                    3)Update Student Information by ID
                    4)Delete Student Information by ID
                    5)Delete All Student Information
======================================================
Enter Your Choice....
4
enter student id..
102
Record deleted from student table
Do you want to continue?(Y->Yes/N->No)
```

```
mysql> select * from studentInfo;
+-----------+-------------+--------+---------------+--------------+---------------+----------------------+
| studentId | studentName | gender | studentAddress | studentClass | studentContact | studentEmail        |
+-----------+-------------+--------+---------------+--------------+---------------+----------------------+
| 101       | Muni        | Male   | Chennai       | X            | 9951037513    | muni@gmail.com       |
| 103       | Lakshmi     | Female | Hyderabad     | XI           | 9441352693    | Lakshmi123@gmail.com |
+-----------+-------------+--------+---------------+--------------+---------------+----------------------+
```

Delete All Student Information:

```
                 1)Insert Student Information
                 2)View All Student Information
                 3)Update Student Information by ID
                 4)Delete Student Information by ID
                 5)Delete All Student Information
===========================================================
Enter Your Choice....
5

============================================================
Successfully deleted .

============================================================
```

```
mysql> select * from studentInfo;
Empty set (0.00 sec)
```

Thank you…..

Suggestions?......