EduBridge

A Project Report On

School Management System

By

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Introduction:

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

Modules:

- Student Module
- Teacher Module
- Admin (School) Module

I have developed this Application in **Java and MySQL.**

The main objective of the School management system is to reduce manual work and time. It is difficult and time-consuming to collect fees information of each student and payment (Salary) information of each teacher. To avoid this problem, we have planned to develop a console-based School management system.

In Admin module, admin can add, update, delete, search,pay salary and receive fees. He can also view the total number of student and total number of teacher at present in the school.

- It manages the details of student records, teacher records, and funds management records.
- Saves the time of account and faculties.
- This system makes student information and teacher information more secure.

Modules :

➢ **Admin Module:** Admin can able to handle Student portal and Teacher portal. It maintain student and teacher funds of school.

➢ **Teacher Module:** Teacher can access this system by signing up. Teacher are able to view salary status, and teacher can change the password.

➢ **Student Module:** Student can access this system by signing up. Student are able to view fees status, and student can change the password.

Software Requirements :

Front end: Java.

Back end: MySQL workbench 8.0.25 CE.

IDE: Eclipse for Java EE Developers.

Operating System: Ubuntu / Linux.

Data Dictionary:

- Database: SchoolManagement.

- Table 1: School.

```
mysql> use SchoolManagement;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> desc School;
+------------------+------+------+-----+---------+-------+
| Field            | Type | Null | Key | Default | Extra |
+------------------+------+------+-----+---------+-------+
| totalMoneyEarned | int  | YES  |     | NULL    |       |
| totalMoneySpent  | int  | YES  |     | NULL    |       |
+------------------+------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```

Table 2:Teacher.

```
mysql> desc Teacher;
+--------------+--------------+------+-----+---------+-------+
| Field        | Type         | Null | Key | Default | Extra |
+--------------+--------------+------+-----+---------+-------+
| id           | int          | NO   | PRI | NULL    |       |
| name         | varchar(100) | YES  |     | NULL    |       |
| salary       | int          | YES  |     | NULL    |       |
| salaryEarned | int          | YES  |     | 0       |       |
| password     | varchar(100) | YES  |     | Teacher |       |
+--------------+--------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

Table 3:Student.

```
mysql> desc Student;
+----------+--------------+------+-----+---------+-------+
| Field    | Type         | Null | Key | Default | Extra |
+----------+--------------+------+-----+---------+-------+
| id       | int          | NO   | PRI | NULL    |       |
| name     | varchar(100) | YES  |     | NULL    |       |
| grade    | int          | YES  |     | NULL    |       |
| feesPaid | int          | YES  |     | 0       |       |
| feesTotal| int          | YES  |     | 30000   |       |
| password | varchar(50)  | YES  |     | Student |       |
+----------+--------------+------+-----+---------+-------+
6 rows in set (0.00 sec)
```

Screenshot :

```
eclipse-workspace - Eclipse IDE

 Problems   Declaration   Console ×   Progress
<terminated> Main (1) [Java Application] /home/samarth/.p2/pool/plugins/org.eclipse.justj.openjdk.hotsp

==================================================================
------------------ School Management Application ------------------
==================================================================
                1)Admin Login.
                2)Teacher Login.
                3)Student Login.
                4)Exit.
Enter Your Choice :
1
==================================================================
Admin Login :|
Enter Admin ID:
123
Enter Admin Password:
Admin
==================================================================
                    Administrator Portal
==================================================================
Dashbord:
                1)Manage Teacher.
                2)Manage Student.
                3)Display Student And Teacher Record.
                4)Display School Status.
                5)Logout.
==================================================================
Enter your choice:
1
==================================================================
Menu:
                1)Add Teacher.
                2)Update Teacher.
                3)Delete Teacher.
                4)Search Teacher.
                5)Pay the Salary
                6)Payment Status.
                7)Return back.
==================================================================
Enter your choice:
1
==================================================================
Enter Teacher Id:
1004
Enter Teacher Name:
Suraj
Enter Teacher Salary:
38000
Teacher record inserted successfully..!!
==================================================================
Menu:
                1)Add Teacher.
                2)Update Teacher.
                3)Delete Teacher.
                4)Search Teacher.
                5)Pay the Salary
                6)Payment Status.
                7)Return back.
==================================================================
Enter your choice:
2
==================================================================
Enter teacher id:
1004
Teacher Information:
   id      Name    Salary     SalaryEarn
--------------------------------------------------
 1004     Suraj   38000.0           0.0
due you want |to update Salary of Teacher, if yes then press 1,else press 0

eclipse-workspace - Eclipse IDE
```

```
Dashbord:
                1)Manage Teacher.
                2)Manage Student.
                3)Display Student And Teacher Record.
                4)Display School Status.
                5)Logout.
===============================================================
Enter your choice:
2
===============================================================
Menu:
                1)Add Student.
                2)Update Student.
                3)Delete Student.
                4)Search Student.
                5)Receive Fees.
                6)Fees Status.
                7)Return back.
===============================================================
Enter your choice:
1
===============================================================
Enter Student Id:
4
Enter Student Name:
Arpita
Enter Student Grade:
12
Student record inserted successfully..!!
---------------------------------------------------------------
Menu:
                1)Add Student.
                2)Update Student.
                3)Delete Student.
                4)Search Student.
                5)Receive Fees.
                6)Fees Status.
                7)Return back.
===============================================================
Enter your choice:
6
===============================================================
Enter Student id:
4
Fee is pending..!!

===============================================================
Menu:
                1)Add Student.
                2)Update Student.
                3)Delete Student.
                4)Search Student.
                5)Receive Fees.
                6)Fees Status.
                7)Return back.
===============================================================
Enter your choice:
5
===============================================================
Enter student id:
4
 Fees received successfull..!!
===============================================================
```

```
==================================================================
Menu:
              1)Add Student.
              2)Update Student.
              3)Delete Student.
              4)Search Student.
              5)Receive Fees.
              6)Fees Status.
              7)Return back.
==================================================================
Enter your choice:
3
==================================================================
Enter student id:
4
Student Information:
  id            Name      Grade      Fees Paid      Total Fees
-----------------------------------------------------------
    4          Arpita      12          30000          30000Student record deleted successfully..!!

==================================================================
Menu:
              1)Add Student.
              2)Update Student.
              3)Delete Student.
              4)Search Student.
              5)Receive Fees.
              6)Fees Status.
              7)Return back.
==================================================================
Enter your choice:
7
Dashbord:
              1)Manage Teacher.
              2)Manage Student.
              3)Display Student And Teacher Record.
              4)Display School Status.
              5)Logout.
==================================================================
Enter your choice:
3
==================================================================
Menu:
              1)Display Teachers Record.
              2)Display Students Record.
              3)Return back.
==================================================================
Enter your choice:
1
==================================================================
Teacher Information:
  id      Name    Salary      SalaryEarn
-----------------------------------------------
 1001   Siddhesh  60000.0       60000.0
 1002   Saurabh   45000.0       45000.0
 1003    Masud    65000.0       65000.0
==================================================================
Menu:
              1)Display Teachers Record.
              2)Display Students Record.
              3)Return back.
==================================================================
Enter your choice:
2
==================================================================
All Schools Record:
  id      Name    Grade Fees PaidTotal Fees
-----------------------------------------------
    1      Jay      12     30000     30000
    2    Manish     10       0       30000
```

```
Dasnbora:
                1)Manage Teacher.
                2)Manage Student.
                3)Display Student And Teacher Record.
                4)Display School Status.
                5)Logout.
==================================================================
Enter your choice:
4
==================================================================
Menu:
                1)Display Number of Student.
                2)Display Number of Teacher.
                3)Display Profit and Loss.
                4)Return back.
==================================================================
Enter your choice:
1


==================================================================
                Total Number of Student :3
                1 students paid Fees.
                2 students not Paid Fees.
==================================================================
Menu:
                1)Display Number of Student.
                2)Display Number of Teacher.
                3)Display Profit and Loss.
                4)Return back.
==================================================================
Enter your choice:
2


==================================================================
Teachers Count :
                Total Number of Teacher :3
                Payment of 3 teachers complete.
                Payment of 0 teachers pending.
==================================================================
Menu:
                1)Display Number of Student.
                2)Display Number of Teacher.
                3)Display Profit and Loss.
                4)Return back.
==================================================================
Enter your choice:
3
==================================================================
Profit And Loss :
                Total Money spent on teachers salary :220000.0
                Total Earning                       :-160000.0
Loss of -160000.0
==================================================================
Menu:
                1)Display Number of Student.
                2)Display Number of Teacher.
                3)Display Profit and Loss.
                4)Return back.
==================================================================
Enter your choice:
4
Dashbord:
                1)Manage Teacher.
                2)Manage Student.
                3)Display Student And Teacher Record.
                4)Display School Status.
                5)Logout.
==================================================================
Enter your choice:
5

==================================================================
Bye...
==================================================================
                1)Admin Login.
                2)Teacher Login.
                3)Student Login.
                4)Exit.
Enter Your Choice :|
```

```
2
================================================================
Teacher Login :
Enter Teacher ID:
1001
Enter Teacher Password:
Teacher
================================================================
                    Teacher Portal

================================================================
Dashbord:
                1)Check Salary Status
                2)Change Password
                3)Logout
================================================================
Enter your choice:
1
================================================================
 Salary Paid..!!

================================================================
Dashbord:
                1)Check Salary Status
                2)Change Password
                3)Logout
================================================================
Enter your choice:
2
Enter Password for update:
Teacher1
Password updated successfully..!!
================================================================
                1)Admin Login.
                2)Teacher Login.
                3)Student Login.
                4)Exit.
Enter Your Choice :
3
================================================================
Student Login :
Enter Student ID:
1
Enter Student Password:
Student
================================================================
                    Student Portal

================================================================
Dashbord:
                1)Check fees Status
                2)Change Password
                3)Logout
================================================================
Enter your choice:
1
================================================================
Fee complete..!!

================================================================
Dashbord:
                1)Check fees Status
                2)Change Password
                3)Logout
================================================================
Enter your choice:
2
Enter Password for update:
Student1
Password updated successfully..!!
```

```
================================================================
Enter your choice:
3
================================================================
Bye...
================================================================
                    1)Admin Login.
                    2)Teacher Login.
                    3)Student Login.
                    4)Exit.
Enter Your Choice :
3
================================================================
Student Login :
Enter Student ID:
1
Enter Student Password:
Student1
================================================================
                       Student Portal

================================================================
Dashbord:
                    1)Check fees Status
                    2)Change Password
                    3)Logout
================================================================
Enter your choice:
3
================================================================
Bye...
================================================================
                    1)Admin Login.
                    2)Teacher Login.
                    3)Student Login.
                    4)Exit.
Enter Your Choice :
4
================================================================
```

Thank you…..

Suggestions?......