**Project Report**

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**Title of Project:** Student Record System.

**1.0 Problem Definition:**

Student Management System is software which is helpful for students as well as the School / College authorities. In the current system all the activities are done manually. Our Student Management System deals with the various activities related to the students.

There are mainly 2 modules in this software

Admin Login

Student Login

In the Software we can register as a user and user has of two types administrator and student. Administrator has the power to add new user as student and can edit and delete a user as student. A student view marks and attendance on his profile.

**2.0 Rationale:**

Java is platform independent, open-source object-oriented programming language enriched with free and open-source libraries. In current industries scenario Java has the broad industry support and its prerequisite with many allied technologies like Advanced Java, Java server Pages and Android Application Development. Thus, current industrial trends necessitate acquiring Java knowledge for Computer Engineering and Information Technology graduates. This course develops necessary skills in students to apply object-oriented programming technologies in Java so that student will be able to develop complete application using core Java.

**3.0 Aim /Benefits of Micro-Project:**

1. This microproject applicable at Schools/Colleges.
2. To get fixed and relevant data related to school/colleges.
3. This project manages the information about the students such as Student, Attendance, Class, Subject, Student Profile etc.

**4.0 Course Outcomes Achieved (COs):**

**CO402.1:** Develop program using Object Oriented methodology in Java

**CO402.2:** Apply concept of inheritance for code Reusability.

**CO402.4:** Implement Execution Handling.

**CO402.6:** Develop program for handling I/O and file streams.

**5.0 Literature Review:**

In olden days register book is present, by using it school/college head takes record of Students. In this book school/college head write downs all records in this book. If head want to check info of one student so he/she wants to see all the record done and also had to add of all info. It was very lengthy process to change in one student’s info. We proposed Student Record System with various features.

Benefits:

1. Record of Students is easy to find.

2. Easy to update data of Students.

**6.0 Actual Methodology followed:**

1. Study of Student Record System.

2. Referring Various websites related to Student Record System.

3. Preparing Algorithm and Flowchart for Designing Student Record System.

4. Develop Java program modules using input-output functions, class, object, etc.

5. Modules are: Admin Login, Student Login.

6. Testing all modules and making corrections as per suggestions by guide.

7. Finalizing all modules Student Record System.

8. Generation of final output for Displaying Student Record System.

**7.0 Actual Resources used:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Name of Resource/material** | **Specifications** | **Quantity** | **Remarks** |
| 1 | Laptop | Intel\*Celeron\*CPU N3060 @  1.60 GHz, RAM: 6GB, HDD: 1 TB | 01 | Available |
| 2 | Operating system | Windows 10 x64 bit | 01 | Available |
| 3 | Java Compiler | JDK 8.0.1 | 01 | Available |
| 4 | Other Software | MS Office | 01 | Available |
| 5 | Printer | HP Laser Printer | 01 | Available |
| 6 | Reference Books | The Complete Reference  By Herbert Schildt | 01 | Available |

**8.0 Outputs of the Micro-Project:**

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= K K WAGH POLYTECHNIC, NASHIK =

= DEPARTMENT OF COMPUTER TECHNOLOGY =

= =

= JAVA PROJECT FOR STUDENT RECORD SYSTEM =

= =

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PROJECT BY:-

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|Roll No| Name |

|\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|

| 08 |Nisharg Barochiya |

| 62 |Darshan Parmar |

| 64 |Maitri Dulla |

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Press Any Key for Main Menu...

1

1. **Admin Module**
2. **Invalid Password**

=============================

= \* MAIN MENU \* =

= =

= 1: ADMIN =

= 2: STUDENT =

= 3: EXIT =

= =

=============================

Enter Your Choice:

1

Enter Username:

Admin@3009

Enter Password:

Admin

Invalid Username/Password!!!

Please Check It....

1. **Invalid Password**

=============================

= \* MAIN MENU \* =

= =

= 1: ADMIN =

= 2: STUDENT =

= 3: EXIT =

= =

=============================

Enter Your Choice:

1

Enter Username:

Admin@3009

Enter Password:

admin@3009

1. **Insert Record**

================================

= \* ADMIN MODULE \* =

= =

= 1: INSERT RECORD =

= 2: UPDATE RECORD =

= 3: DELETE RECORD =

= 4: VIEW RECORD =

= 5: EXIT =

= =

================================

Enter Your Choice:

1

1. **Insert Student**

=================================

= \* INSERT MODULE \* =

= =

= 1: INSERT STUDENT =

= 2: INSERT MARKS =

= 3: EXIT =

= =

==================================

Enter Your Choice:

1

Enter Full Name:

Maitri

Enter Roll No:

64

Enter Phone Number:

6353691441

Enter Department:

CM

Record Created

=================================

= \* INSERT MODULE \* =

= =

= 1: INSERT STUDENT =

= 2: INSERT MARKS =

= 3: EXIT =

= =

==================================

Enter Your Choice:

1

Enter Full Name:

Nisharg

Enter Roll No:

8

Enter Phone Number:

9518372207

Enter Department:

CM

Record Created

1. **Insert Marks**

=================================

= \* INSERT MODULE \* =

= =

= 1: INSERT STUDENT =

= 2: INSERT MARKS =

= 3: EXIT =

= =

==================================

Enter Your Choice:

2

Enter Roll of Student:

8

Enter Marks:

JPR:

99

MIC:

99

SEN:

99

DCC:

99

Record Sucessfully Entered...

=================================

= \* INSERT MODULE \* =

= =

= 1: INSERT STUDENT =

= 2: INSERT MARKS =

= 3: EXIT =

= =

==================================

Enter Your Choice:

2

Enter Roll of Student:

64

Enter Marks:

JPR:

99

MIC:

90

SEN:

99

DCC:

90

Record Sucessfully Entered...

1. **Exit Module**

=================================

= \* INSERT MODULE \* =

= =

= 1: INSERT STUDENT =

= 2: INSERT MARKS =

= 3: EXIT =

= =

==================================

Enter Your Choice:

3

1. **Update Record**

================================

= \* ADMIN MODULE \* =

= =

= 1: INSERT RECORD =

= 2: UPDATE RECORD =

= 3: DELETE RECORD =

= 4: VIEW RECORD =

= 5: EXIT =

= =

================================

Enter Your Choice:

2

Enter Roll of Student:

8

Do you want to update Mob No (Y/N):

y

Do you want to update Department (Y/N):

y

Enter New Department:

CH

Enter New Mobile Number:

6353691441

Record Sucessfully Updated...

1. **Delete Record**

================================

= \* ADMIN MODULE \* =

= =

= 1: INSERT RECORD =

= 2: UPDATE RECORD =

= 3: DELETE RECORD =

= 4: VIEW RECORD =

= 5: EXIT =

= =

================================

Enter Your Choice:

3

Enter Roll Number:

8

Record Sucessfully Deleted...

1. **View Record**

================================

= \* ADMIN MODULE \* =

= =

= 1: INSERT RECORD =

= 2: UPDATE RECORD =

= 3: DELETE RECORD =

= 4: VIEW RECORD =

= 5: EXIT =

= =

================================

Enter Your Choice:

4

Name no Phno dept

Maitri 64 6353691441 CM

1. **Exit Module**

================================

= \* ADMIN MODULE \* =

= =

= 1: INSERT RECORD =

= 2: UPDATE RECORD =

= 3: DELETE RECORD =

= 4: VIEW RECORD =

= 5: EXIT =

= =

================================

Enter Your Choice:

5

1. **Student Module**

=============================

= \* MAIN MENU \* =

= =

= 1: ADMIN =

= 2: STUDENT =

= 3: EXIT =

= =

=============================

Enter Your Choice:

2

1. **View Marks**

================================

= \* STUDENT MODULE \* =

= =

= 1: VIEW MARKS =

= 2: VIEW RECORD =

= 3: EXIT =

= =

================================

Enter Your Choice:

1

Enter Roll No:

64

Name JPR MIC SEN DCC

Maitri 99 90 99 90

1. **View Record**

================================

= \* STUDENT MODULE \* =

= =

= 1: VIEW MARKS =

= 2: VIEW RECORD =

= 3: EXIT =

= =

================================

Enter Your Choice:

2

Enter Roll No:

64

Name no Phno dept

Maitri 64 6353691441 CM

1. **Exit Module**

================================

= \* STUDENT MODULE \* =

= =

= 1: VIEW MARKS =

= 2: VIEW RECORD =

= 3: EXIT =

= =

================================

Enter Your Choice:

3

**9.0 Skill Developed / Learning outcome of this Micro-Project:**

1. Coding a Java program, compiling it and debugging it using JDK 8.0.1
2. Implementing various concepts of Java language such as input-output operations, classes and objects, functions, inheritance.
3. Developing a Java programsear to solve broad-based computer related problems.
4. Working in a team, time management, group discussion, decision making and documentation.
5. **Applications of Micro Project:**
6. This microproject applicable at Schools/Colleges.
7. To get fixed and relevant data related to school/colleges.
8. This project manages the information about the students such as Student, Attendance, Class, Subject, Student Profile etc.