Exam Automation System
CS262 DBMS PROJECT
GROUP 13

Languages Used: Java, SQL

Software Used: IntelliJ idea, PHPmyAdmin, XamPP

Group members-

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STEPS to run project:

1) Install MySQL connector jar file for IntelliJ.

It helps to connect our project to SQL database server.

2) There is code written in java file for connection to particular database. In connection, we need to give SQL admin name and password.

3) Now we use statement and pre-statement class for running queries.

4) To connect to database, we used Xampp server connection software.

5) After establishing connection, you need to run the provided Java file.

6) To execute the queries, there are proper instructions in the IDE terminal to do different tasks.

There are 18 different functionalities in our project.

```
"C:\Users\This PC\.jdks\openjdk-16.0.1\bin\java.exe" "-javaag
:----Instruction----:
Click 1 for Set the Exam:
Click 2 for Inserting the Student:
Click 3 for Update the Students:
Click 4 for Deleting the Students:
Click 5 for View Students Data:
Click 6 for Inserting the Hall
Click 7 for Update the Hall
Click 8 for Deleting the Hall:
Click 9 for View Halls Data:
Click 10 for Inserting the Teacher
Click 11 for Update the Teacher
Click 12 for Deleting the Teacher:
Click 13 for View Teachers Data:
Click 14 for Inserting the Course
Click 15 for Update the Course
Click 16 for Deleting the Course:
Click 17 for View Courses Data:
Click 18 for Show the Exam Sheet According to Exam_ID:
Click 0 for Exit:
```

```
------------------Set New Exam-----------------------
-------------------------------------------
Write the Date of the Exam:
2022-5-15
Write the Time of the Exam:
6am to 9am
Exam of Which Branch Student:
CS
Exam of Which Semester Student:
4
Exam of which Course:
Cs202
Exam Set----
----------------------------------------------------------------
```

```
------------------INSERT NEW STUDENT----------------------
How many new Student you want to insert:
1
Enter Student_ID:
202051029
Enter First Name of the Student:
Ankur
Enter Last name of the Student:
Shukla
Enter Branch of the Student:
CS
Enter Semester of the Student:
4
Inserted......
----------------------------------------------------------------------
```

```
------------------UPDATE STUDENT----------------------

How many column do you want to update:

1

Write the name of that columns:

Student_Branch

Write the condition:

Student_ID="202051038"

Write the value of that columns:

IT

Updated Successfully----

----------------------------------------------------------------------
```

```
------------------DELETE FROM STUDENT--------------------

Write the condition:

Student_ID="202051029"

Deleted Successfully----

----------------------------------------------------------------------
```

```
------------------DISPLAY STUDENT DATA--------------------
Write the condition:
Student_Semester=4

-----------------------------------------------------------------------------------

    Student_ID        Student_firstName      Student_lastName      Student_Branch          Student_semester
    202051036    Arunava   Barua   IT   4
    202051038    Aryan    Gupta   IT   4
    202051087    vishal    hotwani   CS   4

------------------------------------------------------------------------------------

----------------------------------------------------------------
```

```
------------------INSERT NEW Hall----------------------
How many new Hall you want to insert:
1
Enter Hall_ID:
9003
Enter Hall capacity:
60
Enter Hall availability:
True
Inserted......

--------------------------------------------------------------------------
```

```
------------------Update Hall----------------------
How many column do you want to update:
1
Write the name of that columns:
Hall_Capacity
Write the condition:
Hall_ID="9003"
Write the value of that columns:
50
Updated Successfully----

--------------------------------------------------------------------------
```

```
-------------------DELETE FROM Hall---------------------

Write the condition:

Hall_ID="9001"

Deleted Successfully----

.............................................................................
```

```
------------------DISPLAY HALL DATA---------------------
Write the condition:
Hall_Availability="true"
-------------------------------------------------------------------------------------

     Hall_ID      Hall_Capacity      Hall_Availability
   9003    50    True
   9202    50    true

-------------------------------------------------------------------------------------
-----------------------------------------------------------------
```

```
-----------------INSERT NEW TEACHER---------------------
How many new Teacher you want to insert:
1
Enter Teacher_ID:
2003
Enter First Name of the Teacher:
Atul
Enter Last name of the Teacher:
Sharma
Enter Teacher Availability:
True
Inserted......
-----------------------------------------------------------------------
```

```
------------------UPDATE TEACHER---------------------
How many column do you want to update:
1
Write the name of that columns:
Teacher_Availability
Write the condition:
Teacher_ID="2003"
Write the value of that columns:
false
Updated Successfully----

--------------------------------------------------------------------
```

```
--------------------DELETE FROM Teacher---------------------
Write the condition:

Teacher_ID="2003"

Deleted Successfully----

--------------------------------------------------------------------
```

```
------------------DISPLAY TEACHER DATA--------------------
Write the condition:
Teacher_ID="2003"
--------------------------------------------------------------------------
    Teacher_ID      Teacher_firstName    Teacher_lastName    Teacher_Availability
  2003   Atul   Sharma   false

--------------------------------------------------------------------------
--------------------------------------------------------------
```

```
-----------------INSERT NEW COURSE----------------------
How many new Course you want to insert:
1
Enter Course_ID:
Cs208
Enter Course Name:
Computer Architecture
Which Branch Student will study this Course:
CS
Which Semester Student will study this Course:
4
Inserted......
-----------------------------------------------------------------------
```

```
-----------------UPDATE COURSE----------------------
How many column do you want to update:
1
Write the name of that columns:
Course_Branch
Write the condition:
Course_ID="Cs208"
Write the value of that columns:
IT
Updated Successfully----
-----------------------------------------------------------------------
```

```
-------------------DELETE FROM Course----------------------
Write the condition:
Course_ID="Cs208"
Deleted Successfully----

-----------------------------------------------------------------------
```

```
------------------DISPLAY COURSE DATA--------------------
Write the condition:
Course_Semester=4

-----------------------------------------------------------------------------

    Course_ID     Course_Name     Course_Branch     Course_Semester
   Cs202   System Software   CS   4

   Cs208   Computer Architecture   IT   4

---------------------------------------------------------------------------------

--------------------------------------------------------------
```

```
------------------DISPLAY EXAM--------------------
Write the Exam_ID:
0

-----------------------------------------------------------------

Exam_Date          Student_ID          Course_ID     Hall_ID     Teacher_ID
2022-5-15        202051038         Cs202      9202        2201

2022-5-15        202051087         Cs202      9202        2201

-----------------------------------------------------------------
```

THANK YOU