Assignment No:-61

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Batch: - Delta - DCA (Java) 2024 Date: -9/8/2024

Gym Management System Project Description (Member Management Module) Using JDBC The Gym Management System's Member Management Module is a Java-based application designed to handle all aspects of member-related activities within a gym or fitness center. This module focuses on efficiently managing member data, membership plans, using JDBC (Java Database Connectivity) for seamless interaction with a relational database.

- 1. Admin should add new members.
- 2.admin should view all members data
- 3.admin should update members profile
- 4.admin should delete members.
- 5.admin should search any member using name.

```
package com.gymManagementSystem.assingnment61;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.Scanner;
    static String ins;
    static String sel;
    static String upd;
    static String del;
    static String ser;
    static PreparedStatement ps;
    static Scanner sc;
    static Connection conn;
    public static Connection isConnected()
```

```
Class.forName("com.mysql.cj.jdbc.Driver");
     conn=DriverManager.getConnection("jdbc:mysql://localhost:33
06/gymManagmentSystem", "root", "12345");
               ins="insert into member values(?,?,?,?,?,?,?,?)";
               sel="select * from member";
               upd="update member set first name=?, last name=?,
               del="delete from member where first name=?";
               ser="select * from member where first name=?";
          catch (Exception e)
               e.printStackTrace();
          return conn;
     public static void isInserted()
               sc = new Scanner(System.in);
               PreparedStatement ps =
isConnected().prepareStatement(ins);
                    String ent1="Enter First Name: ";
                    String ent2="Enter Last Name: ";
                    String ent3="Enter Your Age: ";
                    String ent4="Enter Your Date Of Birth: ";
                    String ent5="Enter Your Email: ";
                    String ent6="Enter Your Phone Number: ";
                    String ent7="Enter Your Membership: ";
                    for(int i=0;i<ent.length();i++)</pre>
                         System.out.print(ent.charAt(i));
                         Thread.sleep(50);
                    int mid=sc.nextInt();
                    ps.setInt(1, mid);
                    System.out.println("\n");
```

```
for(int i=0;i<ent1.length();i++)</pre>
     System.out.print(ent1.charAt(i));
     Thread.sleep(50);
String fn=sc.next();
ps.setString(2, fn);
System.out.println("\n");
for(int i=0;i<ent2.length();i++)</pre>
     System.out.print(ent2.charAt(i));
     Thread.sleep(50);
String ln=sc.next();
ps.setString(3, ln);
System.out.println("\n");
for(int i=0;i<ent3.length();i++)</pre>
     System.out.print(ent3.charAt(i));
     Thread.sleep(50);
int age=sc.nextInt();
ps.setInt(4, age);
System.out.println("\n");
for(int i=0;i<ent4.length();i++)</pre>
     System.out.print(ent4.charAt(i));
     Thread. sleep (50);
String dob=sc.next();
ps.setString(5, dob);
System.out.println("\n");
for(int i=0;i<ent5.length();i++)</pre>
     System.out.print(ent5.charAt(i));
     Thread.sleep(50);
String em=sc.next();
ps.setString(6, em);
System.out.println("\n");
for(int i=0;i<ent6.length();i++)</pre>
```

```
System.out.print(ent6.charAt(i));
                     Thread.sleep(50);
                 String pn=sc.next();
                 ps.setString(7, pn);
                 System.out.println("\n");
                 for(int i=0;i<ent7.length();i++)</pre>
                     System.out.print(ent7.charAt(i));
                     Thread.sleep(50);
                 String mt=sc.next();
                 ps.setString(8, mt);
                System.out.println("\n");
                ps.addBatch();
                System.out.println("Do you want to conitue
press yes(y) or No (n) : ");
                System.out.println("-----
            -");
                 char c = sc.next().charAt(0);
                 if (c=='n')
                     break;
            ps.executeBatch();
    System.out.println();
            System.out.println("Data inserted
            System.out.println();
    catch (Exception e)
            e.printStackTrace();
    public static void viewMember()
```

```
System.out.println();
           ps = isConnected().prepareStatement(sel);
           ResultSet rs = ps.executeQuery();
           System.out.println("+-----
System.out.println("| Memeber_id |
First_Name | Last_Name | Age | Date Of
Birth | Emial
Membership_Type |");
          System.out.println("+----
           while(rs.next())
           System.out.println("| "+rs.getInt(1)+"
"+rs.getString(6)+" | "+rs.getString(7)+" | "+rs.getString(8)+" | ");
        System.out.println("+-----
           System.out.println();
   e.printStackTrace();
   public static void updateMember()
         sc = new Scanner(System.in);
         System.out.println("Enter your choice:\n"
```

```
int ch = sc.nextInt();
             String stringValue = null;
             Integer intValue = null;
             switch (ch)
                     System.out.println("Enter First Name: ");
                     column = "first name";
                     stringValue = sc.next();
                     break;
                 case 2:
                     System.out.println("Enter Last Name: ");
                     column = "last name";
                     stringValue = sc.next();
                 case 3:
                     System.out.println("Enter Your Age: ");
                     column = "age";
                     intValue = sc.nextInt();
                     break;
                 case 4:
                     System.out.println("Enter date of birth:
");
                     column = "dob";
                     stringValue = sc.next();
                     break;
                 case 5:
                     System.out.println("Enter Your Email: ");
                     column = "email";
                     stringValue = sc.next();
                 case 6:
                     System.out.println("Enter Your Phone
Number: ");
                     column = "phone number";
                     stringValue = sc.next();
                     break;
                     System.out.println("Enter Your Membership
                     column = "membership type";
```

```
stringValue = sc.next();
                   break;
                   System.out.println("Invalid choice.");
           System.out.println("Enter Member Id: ");
           int mid = sc.nextInt();
           String updateQuery = "UPDATE member SET " + column
           ps = isConnected().prepareStatement(updateQuery);
           if (intValue != null)
               ps.setInt(1, intValue);
               ps.setString(1, stringValue);
           ps.setInt(2, mid);
           ps.executeUpdate();
System.out.println("Update successful...");
System.out.println("***********************************;
           e.printStackTrace();
    public static void deleteMember()
             sc = new Scanner(System.in);
             ps = isConnected().prepareStatement(del);
             System.out.println("Enter Your First Name : ");
             String fna = sc.next();
             ps.setString(1, fna);
```

```
System.out.println();
          System.out.println("deleted successfull...");
          ps.executeUpdate();
          System.out.println();
   catch (Exception e)
          e.printStackTrace();
   public static void searchMember()
          sc = new Scanner(System.in);
   System.out.println();
          ps = isConnected().prepareStatement(ser);
          System.out.println("Enter your First Name: ");
          String fnam=sc.next();
          ps.setString(1, fnam);
          ResultSet rs = ps.executeQuery();
          System.out.println("+-----
System.out.println(" | Memeber_id |
First_Name | Last_Name | Age | Date Of
          System.out.println("+-----
          while(rs.next())
          System.out.println("| "+rs.getInt(1)+"
```

```
System.out.println("+----
         System.out.println();
catch (Exception e)
         e.printStackTrace();
public static void main(String[] args)
         isConnected();
         String choice="Enter Choice Below:1,2,3,4,5,6";
         String fetch= "2. View All Memebers Data...";
         String update="3.Update Members Profile...";
         String delete="4.Delete Members Data...";
         String search="5.Search Any Member Using
         String terminate="6.Terminate Operation...";
         sc = new Scanner(System.in);
         int ch=-1;
         while (ch!=0)
              for(int i=0;i<choice.length();i++)</pre>
                   System.out.print(choice.charAt(i));
                   Thread. sleep (200);
              System.out.println("\n");
              for(int i=0;i<insert.length();i++)</pre>
                   System.out.print(insert.charAt(i));
                   Thread.sleep(50);
              System.out.println("\n");
              for(int i=0;i<fetch.length();i++)</pre>
                   System.out.print(fetch.charAt(i));
                   Thread.sleep(50);
```

```
System.out.println("\n");
for(int i=0;i<update.length();i++)</pre>
     System.out.print(update.charAt(i));
     Thread.sleep(50);
System.out.println("\n");
for(int i=0;i<delete.length();i++)</pre>
     System.out.print(delete.charAt(i));
     Thread. sleep (50);
System.out.println("\n");
for(int i=0;i<search.length();i++)</pre>
     System.out.print(search.charAt(i));
     Thread.sleep(50);
System.out.println("\n");
for (int i=0;i<terminate.length();i++)</pre>
     System.out.print(terminate.charAt(i));
     Thread.sleep(50);
System.out.println("\n-----
System.out.println("Enter your choice: ");
ch=sc.nextInt();
switch (ch)
     case 1: isInserted();
     case 2: viewMember();;
     case 3: updateMember();
     case 4: deleteMember();
     case 5: searchMember();
     break;
     case 6: ch=0;
     System.out.println("Teriminated...!");
    break;
```

```
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GymManagementSystem [Java Application] C:\Users\Shree\.pZ\poo\\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\jav
Enter Choice Below: 1, 2, 3, 4, 5, 6
1.Add New Memebers...
2. View All Memebers Data...
3.Update Members Profile...
4.Delete Members Data...
5. Search Any Member Using Name...
6.Terminate Operation...
Enter your choice:
Enter Member Id: 4
Enter First Name: aditya
Enter Last Name: jadhav
Enter Your Age: 21
Enter Your Date Of Birth: 2003-05-07
Enter Your Email: adityajad@gmail.com
Enter Your Phone Number: 87976768
```

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Enter Your Email: adityajad@gmail.com	
Enter Your Phone Number: 87976768	
Enter Your Membership: premium	
Do you want to conitue press yes(y) or No (n) :	
n *****************************	
Data inserted successfully	

1.Add New Memebers	
2.View All Memebers Data	
3.Update Members Profile	
4.Delete Members Data	
5.Search Any Member Using Name	
6.Terminate Operation	
Enter your choice:	

6.Terminate Operation													
Enter your choice:													
2 ************************************													
+				Age		Date Of Birth		+		+ Phone_Number		++ Membership_Type	
		suryawan	shi	56		2003-06-0		sangram@gamil.	com	48398548		premium	i.
. 2	 harshad 	pawar			2002-		harsa	ad@gmail.com	845389	9484	norma	i ı	
3		yadav	34		2009-02		omkarya	adav@gmail.com	4858	8458348	pr	emium	
1 4		jadhav					adity	yajad@gmail.com	879	976768	pre	mium	
Enter Choice Below 1.Add New Memebers 2.View All Memeber: 3.Update Members P 4.Delete Members D 5.Search Any Membe 6.Terminate Operat Enter your choice:	:1,2,3,4,5,6 s Data rofile ata r Using Name												

```
Enter Choice Below:1,2,3,4,5,6

1.Add New Members Data...

3.Update Members Data...

5.Search Any Member Using Name...

6.Terminate Operation...

Enter your choice:

1. Change first name

2. Change last name

3. Change date of birth

5. Change gate name

3. Change age mail

6. Change membership

7. Change membership

2. Enter Name:

9. Change membership

1. Change membership

2. Change membership

3. Change membership

4. Change membership

5. Change membership

6. Terminate operation...

9. Terminate
```

```
Enter Choice Below:1,2,3,4,5,6
1.Add New Memebers...
2. View All Memebers Data...
3.Update Members Profile...
4.Delete Members Data...
5.Search Any Member Using Name...
6.Terminate Operation...
Enter your choice:
                                          -+---
| Age
                                                        | Date Of Birth | Emial
                                                                                                     | Membership_Type |
 Memeber_id
                            | Last_Name
                                                                                        | Phone_Number
                                                                                                     | premium
                                                                                2009-02-02
                                                                                                    | premium
              lomkar
*********
```

```
nter Choice Below:1,2,3,4,5,6
2.View All Memebers Data...
.Delete Members Data...
.Search Any Member Using Name...
.Terminate Operation...
Enter your choice:
                                                         | 2003-06-03
                                                                                           483985484
                                                                       | sangram@gamil.com
              sangram
                             | suryawanshi
                                                                   | normal
                           | yadavomi
                                                                                         *******
2. View All Memebers Data...
4.Delete Members Data...
5.Search Any Member Using Name...
6.Terminate Operation...
Enter your choice:
~
***************
                                                         2003-06-03
                             | suryawanshi
                                                                       | sangram@gamil.com
********

☐ GymManagementSystem.java ☐ JdbcMiniProject.java ☐ Console ×
                                                                                               5.Search Any Member Using Name...
Enter your choice:
2.View All Memebers Data...
4.Delete Members Data...
Enter your choice:
```