

GYM MANAGEMENT SYSTEM
A MINI PROJECT REPORT

Submitted by

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BONAFIDE CERTIFICATE

Certified that this project report “**GYM MANAGEMENT SYSTEM**” is the
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ABSTRACT:

The **Gym Management System** is a comprehensive application designed to streamline the operations of gym facilities. Developed with Java, MySQL, and NetBeans, this system is tailored exclusively for administrators, providing them with an intuitive interface to manage gym members, record payments, and generate necessary reports. The primary objective of this project is to automate and improve efficiency in gym management, eliminating manual data handling and minimizing human error in records.

In a real-life setting, gym administrators face challenges with member data management, payment tracking, and report generation. The **Gym Management System** addresses these challenges by allowing administrators to add, update, and delete member records seamlessly. Additionally, administrators can manage payment information, track due dates, and monitor payment history with ease. The system employs a relational database (MySQL) to store member and payment data securely and provides a user-friendly interface developed in Java with NetBeans IDE.

The system is structured to include essential features for efficient gym management, such as login authentication for administrators, member record maintenance, payment handling, and data querying capabilities. In addition, it includes a relational model that aligns with the principles of database normalization, ensuring data integrity and avoiding redundancy.

By implementing this system, gym management can achieve a higher level of organization and accountability in their operations. The use of Java, NetBeans, and MySQL ensures compatibility and reliability, while the JDK provides a robust backend connection to handle the database operations securely.

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1.1 INTRODUCTION

Managing a gym or fitness center involves multiple tasks, including tracking member information, processing payments, and maintaining accurate records. Traditionally, these activities have been handled manually, often leading to inefficiencies and errors. The **Gym Management System** is a software application developed to address these challenges by providing a streamlined, automated approach to gym administration. This system is designed specifically for gym administrators, allowing them to manage and track all relevant data efficiently in a single platform.

This project was developed using **Java**, with **MySQL** as the database for data storage, and **NetBeans** as the integrated development environment (IDE). By utilizing these technologies, the Gym Management System provides a reliable and secure way to handle daily operations. The core functionality is based on a robust database architecture where data about members and payments is stored in structured tables, allowing easy data retrieval and modification.

1.2 OBJECTIVES

The objectives of this system include:

- Automating member management tasks to reduce manual work.
- Enhancing data accuracy by using a relational database.
- Providing easy access to member information and payment records.
- Simplifying payment tracking and reminders for timely dues collection.

1.3 MODULES

1 Member Management Module

The Member Management module of the Gym Management System is designed to help administrators efficiently handle all aspects of member data. This module enables admins to add new member records, update existing ones, and delete those that are no longer relevant. When a new member joins the gym, the admin can input their personal details, contact information, and membership type into the system. Any changes to a member's status, such as upgrades in membership or updates to contact information, can be edited in real-time, ensuring that records remain current and accurate. Additionally, when a membership ends, the admin can delete the member's record, keeping the database streamlined and organized. By automating these tasks, the Member Management module reduces manual work, prevents errors, and provides an organized, up-to-date record of all gym members, supporting efficient operations and enhancing data accuracy.

2 Payment Module

The Payment Management module is crucial for tracking all financial transactions associated with gym memberships. This module enables administrators to securely record each payment made by members, capturing details such as the amount paid, payment date, and membership renewal status. By automating payment tracking, this module allows administrators to quickly identify members who have outstanding dues or whose memberships are due for renewal, thus ensuring that financial records are always accurate and up-to-date. Payment records are stored in a centralized database, allowing for easy access and management of historical payment data. In addition, this module can support reminders or notifications for dues, assisting administrators in maintaining timely collections and reducing missed payments. By providing a clear, organized overview of payment activities, the Payment Management module supports the gym's financial stability and helps reduce administrative overhead related to manual tracking and reporting.

3 .Reports and Queries

The **Reports and Queries** module offers administrators powerful tools to view, analyze, and generate reports on gym membership and financial data. This module provides an intuitive interface for querying the database, enabling administrators to retrieve detailed information on members, their payment histories, and general gym statistics. Through this module, admins can generate regular reports on key metrics, such as total membership count, monthly revenue, and outstanding dues. This data helps identify trends, inform decision-making, and evaluate performance over time. By enabling custom queries, the system allows administrators to pull specific data sets, such as lists of members with overdue payments or records of members by membership type. The ease of generating and accessing these reports ensures that the gym's operations remain transparent, data-driven, and responsive to member needs, ultimately supporting informed managerial decisions and efficient daily operations.

4 Authentication

The **Authentication** module secures the Gym Management System, ensuring that only authorized personnel—specifically, administrators—can access and modify sensitive data. This module requires admins to log in with a secure username and password, providing a first level of security to prevent unauthorized access. Once authenticated, administrators gain access to the system's functionalities, such as adding or updating member records, recording payments, and generating reports. By limiting access to verified users, this module protects member data privacy and the integrity of financial information. It also includes session management, which logs users out after a certain period of inactivity, adding an extra layer of security. The Authentication module ensures that only designated personnel manage gym operations, minimizing the risk of data breaches and ensuring compliance with data protection standards for a secure and reliable system.

2.1 SOFTWARE DESCRIPTION

The Gym Management System utilizes a combination of technologies to ensure a robust and efficient system. The backend is supported by a relational database management system (RDBMS), while the frontend is designed for user-friendly interaction. Middleware technologies are used to enable seamless communication between the backend and frontend.

2.2 LANGUAGES

The system is primarily developed using MySQL as the backend programming language for server-side scripting, providing dynamic content generation and database connectivity.

2.2.1 JAVA

Role: Java is the core programming language used to develop the system's logic and user interface.

Usage: . Java enables the creation of the application's graphical user interface (GUI) and backend functionality, handling tasks such as member and payment management.

Advantages:

- **Platform Independence:** Java's "write once, run anywhere" nature makes the system adaptable across platforms.
- **Object-Oriented:** Supports reusable, organized code, allowing for modular design and easy maintenance.
- **Security:** Java provides robust security features essential for handling sensitive data, especially in payment processing.

2.2.2 MySQL

Role: MySQL serves as the system's relational database management system, storing all member and payment data.

Usage: MySQL is used to organize, query, and retrieve data, such as member records, payment histories, and reports.

Advantages:

- **Data Integrity:** Supports normalization, reducing redundancy and ensuring accurate, organized data.
- **High Performance:** Efficiently handles large volumes of queries, suitable for managing multiple user requests.

2.2.3 NETBEANS IDE

Role : NetBeans is the primary integrated development environment (IDE) used for building, testing, and debugging the application.

Usage: NetBeans simplifies coding, manages project files, and provides tools for interface design, making development and troubleshooting faster.

Advantages:

- **Comprehensive Tools:** Built-in tools for code management, debugging, and user interface design streamline the development process.
- **User-Friendly:** Offers an intuitive layout and shortcuts, enhancing productivity.
- **Java Support :** Optimized for Java projects, with extensive plugins that support Java application needs.

2.2.4 JDK

Role: The JDK is essential for establishing a secure connection between the Java application and MySQL database.

Usage: Used to compile and run the application, and provides libraries for database connectivity, such as JDBC.

Advantages:

- **Database Integration :** Supports reliable connection handling, enabling seamless data exchange between Java and MySQL.
- **Standard Libraries :** Offers extensive libraries for tasks like networking, file handling, and GUIs.
- **Security :** Ensures secure data transfer and maintains protocol standards, vital for database operations.

3.1 REQUIREMENT SPECIFICATION

3.1.1 Functional Requirements

Member Management

- **Purpose:** Allows admins to add, update, or delete member records.
- **Benefit:** Ensures member information is always accurate and current.
- **Key Feature:** Simplifies data handling, reducing manual errors and keeping records well-organized for efficient operations.

Payment Processing

- **Purpose:** Tracks payments, dues, and renewals for each member.
- **Benefit:** Keeps financial records clear and up-to-date.
- **Key Feature:** Supports timely reminders for dues, aiding in consistent revenue collection and reducing missed payments.

Report Generation

- **Purpose:** Enables creation of detailed reports on members, payments, and gym metrics.
- **Benefit:** Provides insights into membership trends and payment statuses.
- **Key Feature:** Customizable reports help in tracking performance, guiding decision-making and operational improvements.

Secure Admin Login

- **Purpose:** Limits system access to authorized administrators.
- **Benefit:** Protects sensitive member and payment data.
- **Key Feature:** Adds a layer of security through login authentication, safeguarding data integrity and compliance with data protection standards.

3.1.2 Non-Functional Requirements

Security

- **Definition:** Protects data using encryption and access controls.
- **Advantage:** Safeguards sensitive member and payment information from unauthorized access.
- **Key Feature:** Ensures secure handling of data, meeting compliance and privacy standards.

Performance

- **Definition:** Optimized to respond quickly to admin actions, especially data queries.
- **Advantage:** Enhances user experience by minimizing delays.
- **Key Feature:** Supports efficient data retrieval and processing, improving system responsiveness.

Reliability

- **Definition:** Ensures the system performs functions consistently without errors.
- **Advantage:** Provides dependable data management and smooth system operations.
- **Key Feature:** Reduces downtime and maintains accurate, continuous access to member and payment information.

Usability

- **Definition:** Designed for intuitive and easy navigation.
- **Advantage:** Simplifies admin tasks and speeds up workflow.
- **Key Feature:** User-friendly interface allows quick task completion, reducing training time and errors.

3.2 HARDWARE AND SOFTWARE REQUIREMENTS

Hardware Requirements:

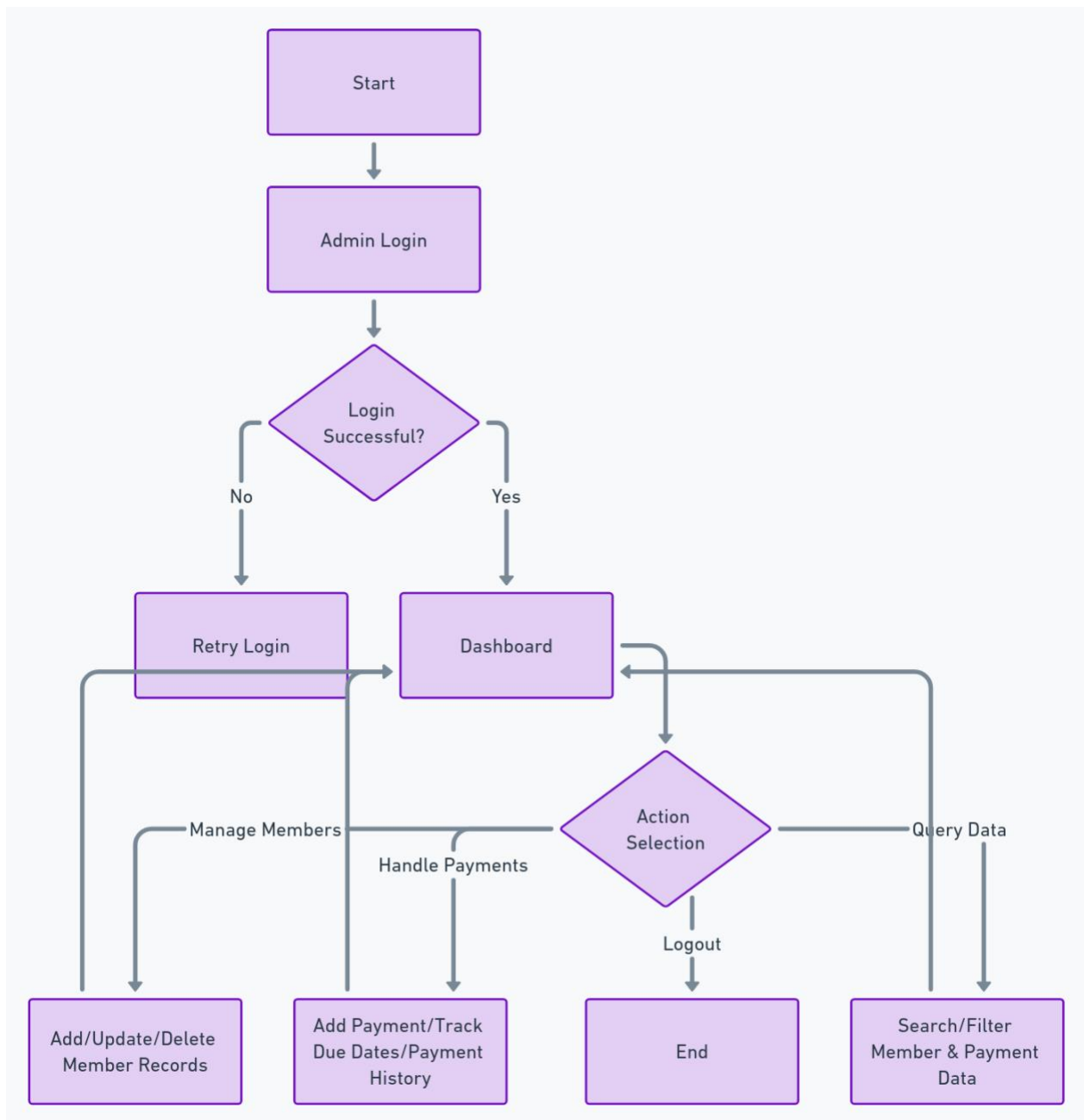
- Desktop PC or Laptop: A reliable desktop PC or laptop to host the Gym Management System.
- Processor: Intel® Core TM i3-6006U CPU @ 2.00GHz or equivalent for efficient processing.
- RAM: 4.00 GB RAM to handle concurrent user requests and database operations.
- System Architecture: 64-bit operating system, x64 based processor for optimal performance.
- Monitor Resolution: 1024 x 768 monitor resolution for clear display of the system interface.
- Input Devices: Keyboard and Mouse for user interaction.
- Server with high processing power and ample storage capacity
- Reliable network infrastructure

Software Requirements:

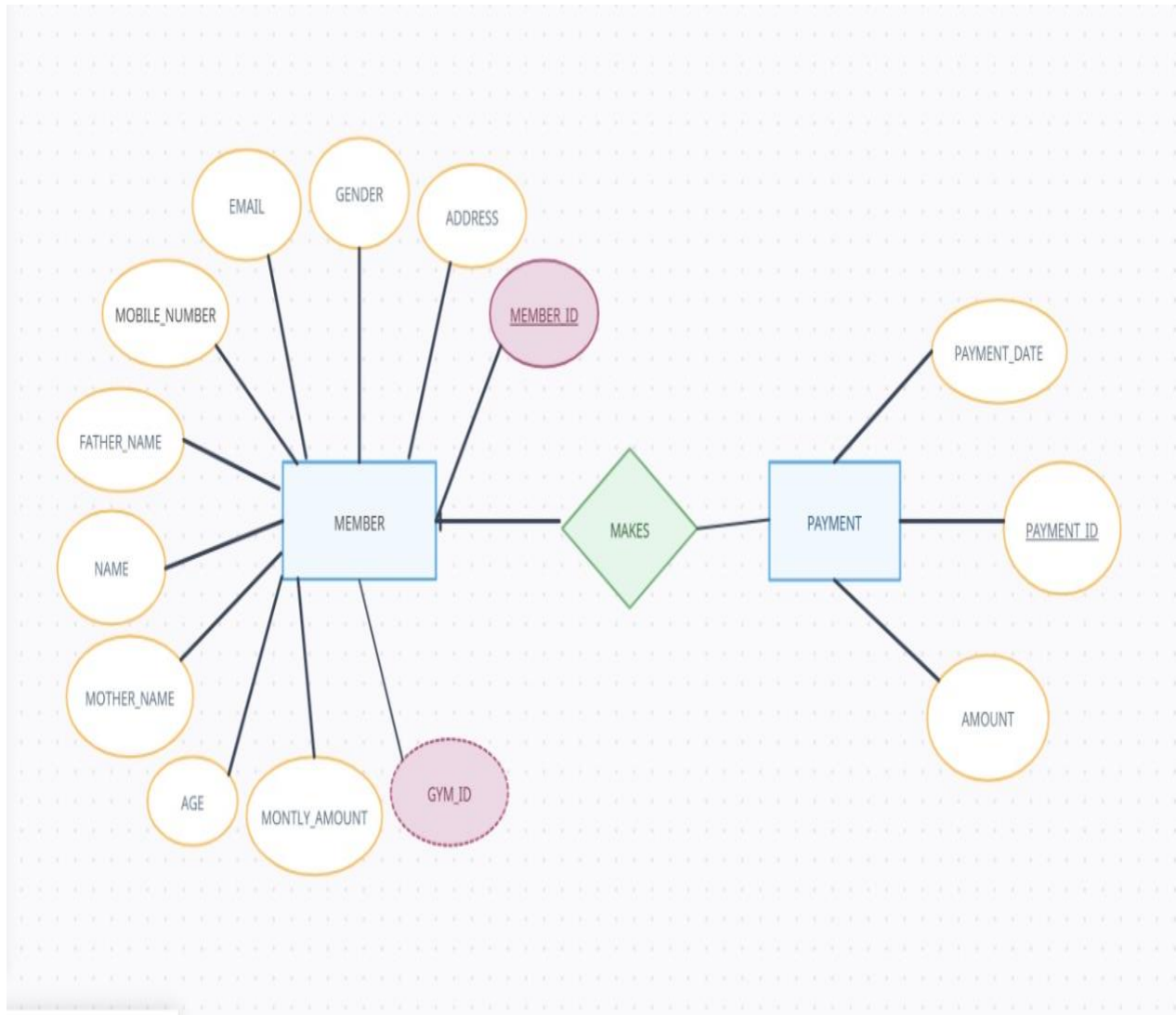
- Operating System: Windows 10
- Code editor :Apache Net-beans
- Front End: Java
- Back End: MySQL
- Middleware: JDBC Connector
- Version Control: Git

3.3 ARCHITECTURE DIAGRAM

A visual diagram that provides an overall view of the Gym management system, identifying the external entities that interact with the system and the major data flows between these entities and the system.



3.4 ER DIAGRAM



3.5 NORMALISATION

Normalization is the process of organizing data in a database to reduce redundancy and improve data integrity. It involves dividing a database into two or more tables and defining relationships between the tables. The steps to normalize a database table for Gym Management System are as follows.

Raw Database

Attribute	Datatype	Example Value
ID	VARCHAR(50)	1
NAME	VARCHAR(50)	ALICE
MOBILE NUMBER	VARCHAR(50)	9949023658
EMAIL	VARCHAR(100)	alice@gmail.com
GENDER	VARCHAR(50)	Female
FATHER NAME	VARCHAR(50)	Alan
MOTHER NAME	VARCHAR(50)	Alexa
GYM TIME	VARCHAR(50)	05:00 - 10:00 PM
AADHAR NUMBER	VARCHAR(50)	123456789110000
AGE	INT	33
AMOUNT	DECIMAL(10,2)	510.00
PAYMENT_MONTH	VARCHAR(50)	October 2024
PAYMENT_AMOUNT	DECIMAL(10,2)	510.00

First Normal Form (1NF)

To achieve 1NF, we need to ensure that each cell contains only a single value and each record is unique. We'll separate the user details and payment details into individual table.

USER TABLE

ID	Name	Mobile Number	Email	Gender	Father Name	Mother Name	Gym Time	Aadhar Number	Age	Amount
1	Alice	9949023658	alice@gmail.com	Female	Alan	Alexa	05:00-10:00 PM	123456789	33	510.00
2	Bob	8807099153	bob@gmail.com	Male	Charlie	Daisy	06:00-11:00 AM	987654321	25	700.00

PAYMENT TABLE

ID	Month	Amount
1	10/11/24, 2:20 PM	500.00
1	12/11/24, 8:59 AM	510.00
2	10/11/24, 2:22 PM	700.00
2	12/11/24, 8:58 AM	700.00

Second Normal Form (2NF) with Phone Numbers

To achieve 2NF, we need to ensure that all non-key attributes are fully functionally dependent on the primary key. We'll decompose the table into multiple tables to remove partial dependencies. We also include mobile numbers in the respective tables.

USER TABLE

ID	Name	Mobile Number	Email	Gender	Father Name	Mother Name	Aadhar Number
1	Alice	9949023658	alice@gmail.com	Female	Alan	Alexa	123456789
2	Bob	8807099153	bob@gmail.com	Male	Charlie	Daisy	987654321

MEMBERSHIP TABLE

ID	Gym Time	Age	Amount
1	05:00-10:00 PM	33	510.00
2	06:00-11:00 AM	25	700.00

PAYMENT TABLE

ID	Month	Amount
1	10/11/24, 2:20 PM	500.00
1	12/11/24, 8:59 AM	510.00
2	10/11/24, 2:22 PM	700.00
2	12/11/24, 8:58 AM	700.00

1. LOGIN PAGE

```
import javax.swing.JOptionPane;

/*
 * To change this license header, choose License Headers in Project
Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author ishitha
 */
public class NewJFrame extends javax.swing.JFrame {

    /**
     * Creates new form NewJFrame
     */
    public NewJFrame() {
        initComponents();
        jLabel3.setVisible(false);
    }

    /**
     * This method is called from within the constructor to initialize the
form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jPasswordField1 = new javax.swing.JPasswordField();
        jButton1 = new javax.swing.JButton();
        jCheckBox1 = new javax.swing.JCheckBox();
        jLabel4 = new javax.swing.JLabel();
        jPanel1 = new javax.swing.JPanel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setBackground(new java.awt.Color(255, 255, 255));
        setLocation(new java.awt.Point(320, 250));
        setUndecorated(true);
    }
}
```

```

getContentPane().setLayout(new
org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel1.setBackground(new java.awt.Color(0, 0, 0));
jLabel1.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/close.png"))); // NOI18N
jLabel1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel1MouseClicked(evt);
    }
});
getContentPane().add(jLabel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 30, 40));

jLabel2.setBackground(new java.awt.Color(255, 255, 255));
jLabel2.setFont(new java.awt.Font("Luminari", 1, 50)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Login");
getContentPane().add(jLabel2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(220, 10, 150, 68));

jLabel3.setBackground(new java.awt.Color(0, 0, 0));
jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 51, 0));
jLabel3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/close.png"))); // NOI18N
jLabel3.setText("Incorrect Username or Password");
getContentPane().add(jLabel3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(170, 80, -1, -1));

jTextField1.setFont(new java.awt.Font("Lucida Grande", 1, 14)); //
NOI18N
jTextField1.setText("Enter Username");
jTextField1.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        jTextField1FocusGained(evt);
    }
    public void focusLost(java.awt.event.FocusEvent evt) {
        jTextField1FocusLost(evt);
    }
});
jTextField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField1ActionPerformed(evt);
    }
});
getContentPane().add(jTextField1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(170, 120, 268, 45));

jPasswordField1.setFont(new java.awt.Font("Lucida Grande", 1, 14)); //
NOI18N

```

```

jPasswordField1.setText("Enter Password");
jPasswordField1.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        jPasswordField1FocusGained(evt);
    }
    public void focusLost(java.awt.event.FocusEvent evt) {
        jPasswordField1FocusLost(evt);
    }
});
getContentPane().add(jPasswordField1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(170, 180, 268, 37));

jButton1.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/login.png"))); // NOI18N
jButton1.setText("Login");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
getContentPane().add(jButton1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(170, 240, 128, 43));

jCheckBox1.setFont(new java.awt.Font("Lucida Grande", 1, 14)); //
NOI18N
jCheckBox1.setForeground(new java.awt.Color(255, 255, 255));
jCheckBox1.setText("Show Password");
jCheckBox1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jCheckBox1ActionPerformed(evt);
    }
});
getContentPane().add(jCheckBox1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(300, 240, -1, 43));

jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/bg.jpg"))); // NOI18N
jLabel4.setText("jLabel4");
getContentPane().add(jLabel4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 610, 340));
getContentPane().add(jPanel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(330, 0, -1, -1));

pack();
}

private void jCheckBox1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(jCheckBox1.isSelected()){
        jPasswordField1.setEchoChar((char)0);

    }else{

```

```

        jPasswordField1.setEchoChar('*');
    }
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(jTextField1.getText().equals("a") &&
jPasswordField1.getText().equals("a")){
        setVisible(false);
        new home().setVisible(true);
    }
    else{
        jLabel3.setVisible(true);
    }
}

private void jPasswordField1FocusLost(java.awt.event.FocusEvent evt) {
    // TODO add your handling code here:
    jLabel3.setVisible(false);
    if(jPasswordField1.getText().equals("")){
        jPasswordField1.setText("Enter Password");
    }
}

private void jPasswordField1FocusGained(java.awt.event.FocusEvent evt) {
    // TODO add your handling code here:
    jLabel3.setVisible(false);
    if(jPasswordField1.getText().equals("Enter Password")){
        jPasswordField1.setText("");
    }
}

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField1FocusLost(java.awt.event.FocusEvent evt) {
    // TODO add your handling code here:
    jLabel3.setVisible(false);
    if(jTextField1.getText().equals("")){
        jTextField1.setText("Enter Username");
    }
}

private void jTextField1FocusGained(java.awt.event.FocusEvent evt) {
    // TODO add your handling code here:
    jLabel3.setVisible(false);
    if(jTextField1.getText().equals("Enter Username")){
        jTextField1.setText("");
    }
}

private void jLabel1MouseClicked(java.awt.event.MouseEvent evt) {

```

```

        // TODO add your handling code here:
        int a = JOptionPane.showConfirmDialog(null, "Do You Really want to
close application", "Select",JOptionPane.YES_NO_OPTION);
        if(a==0){
            System.exit(0);
        }
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.lo
gging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.lo
gging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.lo
gging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.lo
gging.Level.SEVERE, null, ex);
        }
    }
    //

```

```

        // Variables declaration - do not modify
        private javax.swing.JButton jButton1;
        private javax.swing.JCheckBox jCheckBox1;
        private javax.swing.JLabel jLabel1;
        private javax.swing.JLabel jLabel2;
        private javax.swing.JLabel jLabel3;
        private javax.swing.JLabel jLabel4;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JPasswordField jPasswordField1;
        private javax.swing.JTextField jTextField1;
        // End of variables declaration
    }

```

2. NEW MEMBER

```

import project.ConnectionProvider;
import java.sql.*;
import javax.swing.JOptionPane;
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
/**
 *
 * @author ishitha
 */
public class NewMember extends javax.swing.JFrame {
    /**
     * Creates new form NewMember
     */
    public NewMember() {
        initComponents();
        try{
            int id = 1;
            String str1 = String.valueOf(id);
            jLabel3.setText(str1);
            Connection con = ConnectionProvider.getcon();
            Statement st = con.createStatement();
            ResultSet rs = st.executeQuery("Select max(id) from member");
            while(rs.next()){
                id = rs.getInt(1);
                id = id+1;
                String str = String.valueOf(id);
                jLabel3.setText(str);
            }
        }catch(Exception e){
            JOptionPane.showMessageDialog(null, e);
        }
    }

```

```

}
/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {
    jPanel1 = new javax.swing.JPanel();
    jButton1 = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jTextField1 = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();
    jTextField2 = new javax.swing.JTextField();
    jLabel6 = new javax.swing.JLabel();
    jTextField3 = new javax.swing.JTextField();
    jLabel7 = new javax.swing.JLabel();
    jComboBox1 = new javax.swing.JComboBox<>();
    jLabel8 = new javax.swing.JLabel();
    jTextField4 = new javax.swing.JTextField();
    jButton2 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jLabel9 = new javax.swing.JLabel();
    jTextField5 = new javax.swing.JTextField();
    jLabel10 = new javax.swing.JLabel();
    jComboBox2 = new javax.swing.JComboBox<>();
    jLabel11 = new javax.swing.JLabel();
    jTextField6 = new javax.swing.JTextField();
    jLabel12 = new javax.swing.JLabel();
    jTextField7 = new javax.swing.JTextField();
    jLabel13 = new javax.swing.JLabel();
    jTextField8 = new javax.swing.JTextField();
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setLocation(new java.awt.Point(175, 120));
    setUndecorated(true);
    jPanel1.setBackground(new java.awt.Color(255, 255, 255));
    jButton1.setBackground(new java.awt.Color(255, 255, 255));
    jButton1.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/images/close.png"))); //
    NOI18N
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });
    jLabel1.setFont(new java.awt.Font("Arial Unicode MS", 1, 48)); // NOI18N
    jLabel1.setForeground(new java.awt.Color(0, 118, 221));
    jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/new
    member.png"))); // NOI18N
    jLabel1.setText("New Member");

```



```

jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel2.setText("Member ID:");
jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 0, 51));
jLabel3.setText("00");
jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel4.setText("Name");
jLabel5.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel5.setText("Mobile Number");
jTextField2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField2ActionPerformed(evt);
    }
});
jLabel6.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel6.setText("Email");
jLabel7.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel7.setText("Gender");
jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
    "Male",
    "Female", "Others" }));
jLabel8.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel8.setText("Father's Name");
jButton2.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/images/save.png"))); //
NOI18N
jButton2.setText("Save");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});
jButton3.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/images/reset.png"))); //
NOI18N
jButton3.setText("Reset");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});
jLabel9.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel9.setText("Mother's Name");
jLabel10.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel10.setText("Gym Time");
jComboBox2.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
    "05:00-
    10:00AM", "05:00-10:00PM" }));
jLabel11.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel11.setText("Aadhar Number (Unique ID)");
jLabel12.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel12.setText("Age");
jLabel13.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel13.setText("Amount To Pay/Month");

```

```

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 46,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel1)
        .addGap(10, 10, 10)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(jPanel1Layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addComponent(jLabel8)
                    .addComponent(jLabel7)
                    .addComponent(jLabel6)
                    .addComponent(jLabel5)
                    .addComponent(jTextField2)
                    .addComponent(jLabel4)
                    .addComponent(jTextField1)
                    .addComponent(jTextField3)
                    .addComponent(jComboBox1, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                    .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE, 350,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(171, 171, 171)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jTextField5)
                    .addComponent(jComboBox2, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                    .addComponent(jTextField6)
                    .addComponent(jTextField7)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jPanel1Layout.createSequentialGroup()
                            .addGap(10, 10, 10)
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addComponent(jLabel9)
                                .addComponent(jLabel10)
                                .addComponent(jLabel11)
                                .addComponent(jLabel12)
                                .addComponent(jLabel13)
                                .addGap(0, 242, Short.MAX_VALUE))
                                .addComponent(jTextField8)
                                .addGap(33, 33, 33)
                                .addGroup(jPanel1Layout.createSequentialGroup()
                                    .addComponent(jPanel1Layout.createSequentialGroup()
                                        .addGap(10, 10, 10)
                                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                            .addComponent(jPanel1Layout.createSequentialGroup()
                                                .addGap(10, 10, 10)
                                                .addComponent(jLabel12)
                                                .addGap(18, 18, 18)

```

```

.addComponent(jLabel3))
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(328, 328, 328)
.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 92,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(68, 68, 68)
.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 83,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(61, 61, 61))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
.addComponent(jLabel1)
.addGap(18, 18, 18)))
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jLabel2)
.addComponent(jLabel3)
.addGap(40, 40, 40)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jLabel4)
.addComponent(jLabel9))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jLabel5)
.addComponent(jLabel10))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jComboBox2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)

```

```

.addComponent(jLabel6)
.addComponent(jLabel11)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jLabel7)
.addComponent(jLabel12)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jLabel8)
.addComponent(jLabel13)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jTextField8, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jButton2)
.addComponent(jButton3))
.addContainerGap(18, Short.MAX_VALUE))
);
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jPanel1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
);
pack();

```

```

} // </editor-fold>
private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
}
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
setVisible(false);
new NewMember().setVisible(true);
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
setVisible(false);
}
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
String id = jLabel3.getText();
String name = jTextField1.getText();
String mobilenummer = jTextField2.getText();
String email = jTextField3.getText();
String gender = (String)jComboBox1.getSelectedItem();
String fathername = jTextField4.getText();
String mothername = jTextField5.getText();
String gymtime = (String)jComboBox2.getSelectedItem();
String aadharnumber = jTextField6.getText();
String age = jTextField7.getText();
String amount = jTextField8.getText();
try{
Connection con = ConnectionProvider.getcon();
PreparedStatement pst = con.prepareStatement("insert into member values
(?,?,?,?,?,?,?,?,?,?,?)");
pst.setString(1, id);
pst.setString(2, name);
pst.setString(3, mobilenummer);
pst.setString(4, email);
pst.setString(5, gender);
pst.setString(6, fathername);
pst.setString(7, mothername);
pst.setString(8, gymtime);
pst.setString(9, aadharnumber);
pst.setString(10, age);
pst.setString(11, amount);
pst.executeUpdate();
JOptionPane.showMessageDialog(null, "Successfully Saved");
setVisible(false);
new NewMember().setVisible(true);
}
catch(Exception e){
JOptionPane.showMessageDialog(null, e);
}
}
/**
 * @param args the command line arguments
 */
public static void main(String args[]) {

```

```

/* Set the Nimbus look and feel */
//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
/* If Nimbus (introduced in Java SE 6) is not available, stay with the default
look and feel.
* For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
*/
try {
for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
if ("Nimbus".equals(info.getName())) {
javax.swing.UIManager.setLookAndFeel(info.getClassName());
break;
}
}
} catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(NewMember.class.getName()).log(java.util.lo
gging.Level.SEVERE,
null, ex);
} catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(NewMember.class.getName()).log(java.util.lo
gging.Level.SEVERE,
null, ex);
} catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(NewMember.class.getName()).log(java.util.lo
gging.Level.SEVERE,
null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(NewMember.class.getName()).log(java.util.lo
gging.Level.SEVERE,
null, ex);
}
//</editor-fold>
/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
public void run() {
new NewMember().setVisible(true);
}
});
}
// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JComboBox<String> jComboBox1;
private javax.swing.JComboBox<String> jComboBox2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;

```

```

private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;
private javax.swing.JTextField jTextField5;
private javax.swing.JTextField jTextField6;
private javax.swing.JTextField jTextField7;
private javax.swing.JTextField jTextField8;
// End of variables declaration
}

```

3. UPDATE AND DELETE MEMBER

```

import java.sql.*;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import project.ConnectionProvider;
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
/**
 *
 *
 * @author ishitha
 */
public class UpdateDeleteMember extends javax.swing.JFrame {
    /**
     * Creates new form UpdateDeleteMember
     */
    public UpdateDeleteMember() {
        initComponents();
    }
    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jPanel1 = new javax.swing.JPanel();
        jButton1 = new javax.swing.JButton();

```

```

jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
jTextField1 = new javax.swing.JTextField();
jButton2 = new javax.swing.JButton();
jLabel4 = new javax.swing.JLabel();
jTextField2 = new javax.swing.JTextField();
jLabel5 = new javax.swing.JLabel();
jTextField3 = new javax.swing.JTextField();
jLabel6 = new javax.swing.JLabel();
jTextField4 = new javax.swing.JTextField();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jTextField5 = new javax.swing.JTextField();
jTextField6 = new javax.swing.JTextField();
jButton3 = new javax.swing.JButton();
jButton4 = new javax.swing.JButton();
jButton5 = new javax.swing.JButton();
jLabel9 = new javax.swing.JLabel();
jTextField7 = new javax.swing.JTextField();
jLabel10 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
jTextField8 = new javax.swing.JTextField();
jLabel12 = new javax.swing.JLabel();
jTextField9 = new javax.swing.JTextField();
jLabel13 = new javax.swing.JLabel();
jTextField10 = new javax.swing.JTextField();
jTextField11 = new javax.swing.JTextField();
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setLocation(new java.awt.Point(175, 130));
setUndecorated(true);
jPanel1.setBackground(new java.awt.Color(255, 255, 255));
jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/close.png"))); //
NOI18N
jButton1.addMouseListener(new java.awt.event.MouseAdapter() {
public void mouseClicked(java.awt.event.MouseEvent evt) {
jButton1MouseClicked(evt);
}
});
jLabel1.setFont(new java.awt.Font("Apple Braille", 1, 48)); // NOI18N
jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/update & delete
member.png"))); // NOI18N
jLabel1.setText("Update Delete Member");
jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel2.setText("MEMBER ID:");
jTextField1.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jTextField1ActionPerformed(evt);
}
});
jButton2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/search.png"))); //
NOI18N

```



```

jButton2.setText("Search");
jButton2.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButton2ActionPerformed(evt);
}
});
jLabel4.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel4.setText("Name");
jTextField2.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel5.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel5.setText("Mobile Number");
jTextField3.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jTextField3.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jTextField3ActionPerformed(evt);
}
});
jLabel6.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel6.setText("Email");
jTextField4.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel7.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel7.setText("Gender");
jLabel8.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel8.setText("Father's Name");
jTextField5.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jTextField6.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jButton3.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jButton3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/delete.png"))); //
NOI18N
jButton3.setText("Delete");
jButton3.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButton3ActionPerformed(evt);
}
});
jButton4.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jButton4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/reset.png"))); //
NOI18N
jButton4.setText("Reset");
jButton4.addMouseListener(new java.awt.event.MouseAdapter() {
public void mouseClicked(java.awt.event.MouseEvent evt) {
jButton4MouseClicked(evt);
}
});
jButton5.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jButton5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/save.png"))); //
NOI18N
jButton5.setText("Update");
jButton5.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButton5ActionPerformed(evt);
}
});

```

```
});  
jLabel9.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N  
jLabel9.setText("Mother's Name");  
jTextField7.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N  
jLabel10.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N  
jLabel10.setText("Gym Time");  
jLabel11.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N  
jLabel11.setText("Aadhar Number (Unique ID)");  
jTextField8.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N  
jLabel12.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N  
jLabel12.setText("Age");  
jTextField9.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N  
jLabel13.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N  
jLabel13.setText("Amount To Pay/Month");  
jTextField10.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N  
jTextField11.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N  
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);  
jPanel1.setLayout(jPanel1Layout);  
jPanel1Layout.setHorizontalGroup(  
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
.addGroup(jPanel1Layout.createSequentialGroup()  
.addGap(10, 10, 10)  
.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 47,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
.addComponent(jLabel11)  
.addGap(35, 35, 35)  
.addGroup(jPanel1Layout.createSequentialGroup()  
.addGap(53, 53, 53)  
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.  
LEADING)  
.addGroup(jPanel1Layout.createSequentialGroup()  
.addComponent(jLabel12)  
.addGap(18, 18, 18)  
.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 54,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)  
.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 102,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
.addGap(0, 0, Short.MAX_VALUE)  
.addGroup(jPanel1Layout.createSequentialGroup()  
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.  
LEADING)  
.addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED_SIZE, 350,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.  
LEADING, false)  
.addComponent(jLabel18)  
.addComponent(jLabel17)  
.addComponent(jLabel16)  
.addComponent(jLabel15)  
.addComponent(jTextField3)
```

```

.addComponent(jLabel4)
.addComponent(jTextField2)
.addComponent(jTextField4)
.addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE, 350,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGap(133, 133, 133)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
.addComponent(jTextField7)
.addComponent(jTextField8)
.addComponent(jTextField9)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
.addComponent(jLabel9)
.addComponent(jLabel10)
.addComponent(jLabel11)
.addComponent(jLabel12)
.addComponent(jLabel13))
.addGap(0, 243, Short.MAX_VALUE))
.addComponent(jTextField10)
.addComponent(jTextField11)))
.addGap(24, 24, 24)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(289, 289, 289)
.addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(16, 16, 16)
.addComponent(jLabel11)))
.addGap(48, 48, 48)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jLabel12)
.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButton2))

```

```

.addGap(35, 35, 35)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jLabel14)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jLabel15)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jLabel16)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jLabel17)
.addGap(7, 7, 7)
.addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jLabel18)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jLabel19)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jLabel110)
.addGap(8, 8, 8)
.addComponent(jTextField8, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jLabel111)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jTextField11, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jLabel112)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jTextField9, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jLabel113)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jTextField10, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGap(18, 18, 18)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addContainerGap(26, Short.MAX_VALUE))
);
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
);
pack();
} // </editor-fold>
private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
}
private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
}
private void jButton1MouseClicked(java.awt.event.MouseEvent evt) {
// TODO add your handling code here:
setVisible(false);
}
private void jButton4MouseClicked(java.awt.event.MouseEvent evt) {
// TODO add your handling code here:
setVisible(false);
new UpdateDeleteMember().setVisible(true);
}
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
int checkid = 0;
String id = jTextField1.getText();
try{
Connection con = ConnectionProvider.getcon();
Statement st = con.createStatement();
ResultSet rs = st.executeQuery("Select * from member where id='"+id+"'");
while(rs.next()){
checkid = 1;
jTextField1.setEditable(false);
jTextField2.setText(rs.getString(2));
jTextField3.setText(rs.getString(3));
jTextField4.setText(rs.getString(4));
jTextField6.setText(rs.getString(5));
}
}
}

```

```

jTextField6.setEditable(false);
jTextField5.setText(rs.getString(6));
jTextField7.setText(rs.getString(7));
jTextField8.setText(rs.getString(8));
jTextField11.setText(rs.getString(9));
jTextField9.setText(rs.getString(10));
jTextField10.setText(rs.getString(11));
}
if(checkid==0){
JOptionPane.showMessageDialog(null,"Member ID does not exist");
}
}catch(Exception e){
JOptionPane.showMessageDialog(null, e);
}
}
private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
String id = jTextField1.getText();
String name = jTextField2.getText();
String mobilenummer = jTextField3.getText();
String email = jTextField4.getText();
String fathername = jTextField5.getText();
String mothername = jTextField7.getText();
String gymtime = jTextField8.getText();
String aadharnumber = jTextField11.getText();
String age = jTextField9.getText();
String amount = jTextField10.getText();
Connection con = ConnectionProvider.getcon();
try {
PreparedStatement pst = con.prepareStatement("update member set
name=?,mobilenummer=?,email=?,fathername=?,mothername=?,gymtime=?,aadharnumber
=?,age=
?,amount=? where id=?");
pst.setString(1,name);
pst.setString(2,mobilenummer);
pst.setString(3,email);
pst.setString(4,fathername);
pst.setString(5,mothername);
pst.setString(6,gymtime);
pst.setString(7,aadharnumber);
pst.setString(8,age);
pst.setString(9,amount);
pst.setString(10, id);
pst.executeUpdate();
JOptionPane.showMessageDialog(null,"Successfully Updated");
setVisible(false);
new UpdateDeleteMember().setVisible(true);
} catch (SQLException ex) {
JOptionPane.showMessageDialog(null,ex);
Logger.getLogger(UpdateDeleteMember.class.getName()).log(Level.SEVERE, null,
ex);
}
}
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

```

```

// TODO add your handling code here:
int a = JOptionPane.showConfirmDialog(null, "Do You Really Want To Delete",
"Select",
JOptionPane.YES_NO_OPTION);
if (a == 0) {
String id = jTextField1.getText();
Connection con = ConnectionProvider.getcon();
try {
Statement st = con.createStatement();
// First, delete the payment related to the member
st.executeUpdate("DELETE FROM payment WHERE id='" + id + "'");
// Then, delete the member from the member table
st.executeUpdate("DELETE FROM member WHERE id='" + id + "'");
JOptionPane.showMessageDialog(null, "Successfully Deleted");
setVisible(false);
new UpdateDeleteMember().setVisible(true);
} catch (SQLException ex) {
Logger.getLogger(UpdateDeleteMember.class.getName()).log(Level.SEVERE, null,
ex);
JOptionPane.showMessageDialog(null, "Error: " + ex.getMessage());
}
}
/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
/* Set the Nimbus look and feel */
//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
/* If Nimbus (introduced in Java SE 6) is not available, stay with the default
look and feel.
 * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
 */
try {
for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
if ("Nimbus".equals(info.getName())) {
javax.swing.UIManager.setLookAndFeel(info.getClassName());
break;
}
}
} catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(UpdateDeleteMember.class.getName()).log(jav
a.util.logging.Level.
SEVERE, null, ex);
} catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(UpdateDeleteMember.class.getName()).log(jav
a.util.logging.Level.
SEVERE, null, ex);
} catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(UpdateDeleteMember.class.getName()).log(jav
a.util.logging.Level.
SEVERE, null, ex);
}
}

```

```

} catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(UpdateDeleteMember.class.getName()).log(jav
a.util.logging.Level.
SEVERE, null, ex);
}
//</editor-fold>
/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
public void run() {
new UpdateDeleteMember().setVisible(true);
}
});
}
// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField10;
private javax.swing.JTextField jTextField11;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;
private javax.swing.JTextField jTextField5;
private javax.swing.JTextField jTextField6;
private javax.swing.JTextField jTextField7;
private javax.swing.JTextField jTextField8;
private javax.swing.JTextField jTextField9;
// End of variables declaration
}

```


4. PAYMENT

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
/**
 *
 * @author ishitha
 */
import java.sql.*;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import project.ConnectionProvider;
import java.util.Date;
public class Payment extends javax.swing.JFrame {
/**
 * Creates new form Payment
 */
public void tableDetails(){
DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();
dtm.setRowCount(0);
String id = jTextField2.getText();
try{
Connection con = ConnectionProvider.getcon();
Statement st = con.createStatement();
ResultSet rs = st.executeQuery("Select * from payment where id='"+id+"' ");
while(rs.next()){
dtm.addRow(new Object[]{rs.getString(2),rs.getString(3)});
}
}
catch(Exception e){
JOptionPane.showMessageDialog(null, e);
}
}
public void date(){
SimpleDateFormat dformat = new SimpleDateFormat();
Date date = new Date();
String month = dformat.format(date);
jLabel5.setText(month);
}
public Payment() {
 initComponents();
 date();
}
/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
}
```

```

@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {
    jLabel2 = new javax.swing.JLabel();
    jTextField1 = new javax.swing.JTextField();
    jButton2 = new javax.swing.JButton();
    jLabel6 = new javax.swing.JLabel();
    jTextField3 = new javax.swing.JTextField();
    jLabel7 = new javax.swing.JLabel();
    jTextField4 = new javax.swing.JTextField();
    jLabel8 = new javax.swing.JLabel();
    jTextField5 = new javax.swing.JTextField();
    jPanel1 = new javax.swing.JPanel();
    jButton1 = new javax.swing.JButton();
    jLabel11 = new javax.swing.JLabel();
    jLabel13 = new javax.swing.JLabel();
    jTextField2 = new javax.swing.JTextField();
    jButton3 = new javax.swing.JButton();
    jLabel4 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    jTextField6 = new javax.swing.JTextField();
    jLabel10 = new javax.swing.JLabel();
    jLabel11 = new javax.swing.JLabel();
    jTextField7 = new javax.swing.JTextField();
    jTextField9 = new javax.swing.JTextField();
    jLabel12 = new javax.swing.JLabel();
    jTextField8 = new javax.swing.JTextField();
    jButton4 = new javax.swing.JButton();
    jButton5 = new javax.swing.JButton();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();
    jLabel2.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
    jLabel2.setText("MEMBER ID:");
    jTextField1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jTextField1ActionPerformed(evt);
        }
    });
    jButton2.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/images/search.png"))); //
    NOI18N
    jButton2.setText("Search");
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });
    jLabel6.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
    jLabel6.setText("Name");
    jTextField3.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
    jLabel7.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
    jLabel7.setText("Mobile Number");
    jTextField4.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N

```

```

jTextField4.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jTextField4ActionPerformed(evt);
}
});
jLabel8.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel8.setText("Email");
jTextField5.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setLocation(new java.awt.Point(175, 100));
setUndecorated(true);
jPanel1.setBackground(new java.awt.Color(255, 255, 255));
jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/close.png"))); //
NOI18N
jButton1.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButton1ActionPerformed(evt);
}
});
jLabel1.setFont(new java.awt.Font("Apple Braille", 1, 48)); // NOI18N
jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/payment.png"))); //
NOI18N
jLabel1.setText("PAYMENT");
jLabel3.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel3.setText("MEMBER ID:");
jTextField2.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jTextField2ActionPerformed(evt);
}
});
jButton3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/search.png"))); //
NOI18N
jButton3.setText("Search");
jButton3.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButton3ActionPerformed(evt);
}
});
jLabel4.setText("Date");
jLabel5.setText("mm-dd-yy");
jLabel9.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel9.setText("Name");
jTextField6.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel10.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel10.setText("Mobile Number");
jLabel11.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel11.setText("Email");
jTextField7.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jTextField9.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel12.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jLabel12.setText("Amount To Pay");

```

```

jTextField8.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jTextField8.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jTextField8ActionPerformed(evt);
}
});
jButton4.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jButton4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/save.png"))); //
NOI18N
jButton4.setText("Save");
jButton4.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButton4ActionPerformed(evt);
}
});
jButton5.setFont(new java.awt.Font("Lucida Grande", 1, 14)); // NOI18N
jButton5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/reset.png"))); //
NOI18N
jButton5.setText("Reset");
jButton5.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButton5ActionPerformed(evt);
}
});
jTable1.setModel(new javax.swing.table.DefaultTableModel(
new Object [][] {
},
new String [] {
"Month", "Amount"
}
));
jScrollPane1.setViewportView(jTable1);
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createSequentialGroup()
.addContainerGap()
.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 48,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addComponent(jLabel1)
.addContainerGap())
.addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(53, 53, 53)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(48, 48, 48)
.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 103,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

.addGap(74, 74, 74)
.addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 103,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jTextField8, javax.swing.GroupLayout.PREFERRED_SIZE, 400,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel12)
.addComponent(jTextField9, javax.swing.GroupLayout.PREFERRED_SIZE, 400,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED_SIZE, 400,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel11)
.addComponent(jLabel10)
.addComponent(jLabel9)
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jLabel13)
.addGap(18, 18, 18)
.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, 54,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 102,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jLabel14)
.addGap(18, 18, 18)
.addComponent(jLabel15)
.addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED_SIZE, 400,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 52,
Short.MAX_VALUE)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(41, 41, 41))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
.addComponent(jLabel11)
.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(59, 59, 59)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jLabel13)
.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButton3))
.addGap(37, 37, 37)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jLabel14)
.addComponent(jLabel15))
.addGap(18, 18, 18)
.addComponent(jLabel19)
.addGap(12, 12, 12)
.addComponent(jTextField9, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(12, 12, 12)
.addComponent(jLabel11)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jLabel12)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jTextField8, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
.addComponent(jButton5)
.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(55, Short.MAX_VALUE)))
);
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
pack();
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
setVisible(false);
}
}

```

```

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
}
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
}
private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
}
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
tableDetails();
int checkid = 0;
String id = jTextField2.getText();
String month = jLabel5.getText();
try{
Connection con = ConnectionProvider.getcon();
Statement st = con.createStatement();
ResultSet rs = st.executeQuery("Select * from member where id='"+id+"' ");
while(rs.next()){
checkid = 1;
jTextField2.setEditable(false);
jTextField9.setText(rs.getString(2));
jTextField6.setText(rs.getString(3));
jTextField7.setText(rs.getString(4));
jTextField8.setText(rs.getString(11));
}
if(checkid==0){
JOptionPane.showMessageDialog(null, "Member Does Not Exist");
}
ResultSet rs1 = st.executeQuery("Select * from payment inner join member where
payment.month='"+month+"' and payment.id='"+id+"' and member.id='"+id+"' ");
while(rs1.next()){
jButton4.setVisible(false);
JOptionPane.showMessageDialog(null, "Payment is done for this month");
}
}catch(Exception e){
JOptionPane.showMessageDialog(null,e);
}
}
private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
}
private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
setVisible(false);
new Payment().setVisible(true);
}
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
String id = jTextField2.getText(); // Get member ID from text field
String month = jLabel5.getText(); // Get the current month
String amount = jTextField8.getText(); // Get the amount entered by the user
try {

```

```

// Get a connection to the database
Connection con = ConnectionProvider.getcon();
Statement st = con.createStatement();
// Step 1: Fetch the member's expected payment amount from the 'member' table
ResultSet rs = st.executeQuery("SELECT amount FROM member WHERE id='" + id +
""");
double expectedAmount = 0;
if (rs.next()) {
expectedAmount = rs.getDouble("amount"); // Get the expected amount the member
should
pay
}
// Step 2: Check if the entered amount matches the expected amount
double enteredAmount = Double.parseDouble(amount); // Convert the entered
amount to
double
if (enteredAmount != expectedAmount) {
// Show a message if the entered amount doesn't match the expected amount
JOptionPane.showMessageDialog(null, "Please enter the exact amount: " +
expectedAmount);
return; // Exit the method if the amounts don't match
}
// Step 3: Check if the member has already paid for this month
ResultSet rs2 = st.executeQuery("SELECT * FROM payment WHERE id='" + id + "'
AND month='" +
month + "'");
if (rs2.next()) {
// If a payment exists for this member in the current month, show a message
JOptionPane.showMessageDialog(null, "Payment already made for this month.");
} else {
// Step 4: If no payment exists, insert the new payment record
PreparedStatement pst = con.prepareStatement("INSERT INTO payment (id, month,
amount)
VALUES (?, ?, ?)");
pst.setString(1, id);
pst.setString(2, month);
pst.setString(3, amount); // Set the amount entered by the user
pst.executeUpdate();
// Refresh the table to reflect the new payment
tableDetails();
// Show success message
JOptionPane.showMessageDialog(null, "Payment successfully updated.");
// Close the current window and open the Payment window again
setVisible(false);
new Payment().setVisible(true);
}
} catch (Exception e) {
JOptionPane.showMessageDialog(null, e);
}
}
private void jTextField8ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
}
/**

```



```

* @param args the command line arguments
*/
public static void main(String args[]) {
/* Set the Nimbus look and feel */
//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
/* If Nimbus (introduced in Java SE 6) is not available, stay with the default
look and feel.
* For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
*/
try {
for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
if ("Nimbus".equals(info.getName())) {
javax.swing.UIManager.setLookAndFeel(info.getClassName());
break;
}
}
} catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(Payment.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
} catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(Payment.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
} catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(Payment.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(Payment.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
}
//</editor-fold>
/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
public void run() {
new Payment().setVisible(true);
}
});
}
// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;

```

```

private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;
private javax.swing.JTextField jTextField5;
private javax.swing.JTextField jTextField6;
private javax.swing.JTextField jTextField7;
private javax.swing.JTextField jTextField8;
private javax.swing.JTextField jTextField9;
// End of variables declaration
}

```

5. LIST OF MEMBERS

```

import java.sql.*;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import project.ConnectionProvider;
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
/**
 *
 * @author ishitha
 */
public class ListOfMembers extends javax.swing.JFrame {
/**
 * Creates new form ListOfMembers
 */
public ListOfMembers() {
 initComponents();
 DefaultTableModel model = (DefaultTableModel) jTable1.getModel();
 try{
 Connection con = ConnectionProvider.getcon();
 Statement st = con.createStatement();
 ResultSet rs = st.executeQuery("Select * from member");
 while(rs.next()){
 model.addRow(new

```

```

Object[] {rs.getString(1),rs.getString(2),rs.getString(3),rs.getString(4),rs.ge
tString(5),rs.getString(6),rs.
getString(7),rs.getString(8),rs.getString(9),rs.getString(10),rs.getString(11)
});
}
}
catch(Exception e){
JOptionPane.showMessageDialog(null, e);
}
}
/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {
jPanel1 = new javax.swing.JPanel();
jButton1 = new javax.swing.JButton();
jLabel1 = new javax.swing.JLabel();
jScrollPane1 = new javax.swing.JScrollPane();
jTable1 = new javax.swing.JTable();
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setLocation(new java.awt.Point(50, 120));
setUndecorated(true);
jPanel1.setBackground(new java.awt.Color(255, 255, 255));
jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/close.png"))); //
NOI18N
jButton1.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButton1ActionPerformed(evt);
}
});
jLabel1.setFont(new java.awt.Font("Apple Braille", 1, 48)); // NOI18N
jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/list
of
members.png"))); // NOI18N
jLabel1.setText("List Of Members");
jTable1.setModel(new javax.swing.table.DefaultTableModel(
new Object [][] {
},
new String [] {
"Member ID", "Name", "Mobile Number", "Email", "Gender", "Father's Name",
"Mother's
Name", "Gym Time", "Aadhar Number", "Age", "Amount"
}
) {
Class[] types = new Class [] {
java.lang.String.class, java.lang.String.class, java.lang.String.class,
java.lang.String.class,
java.lang.String.class, java.lang.String.class, java.lang.String.class,
java.lang.String.class,

```

```

java.lang.String.class, java.lang.String.class, java.lang.String.class
};
public Class getColumnClass(int columnIndex) {
return types [columnIndex];
}
});
jScrollPane1.setViewportView(jTable1);
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addContainerGap()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jScrollPane1)
.addGroup(jPanel1Layout.createSequentialGroup()
.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 48,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 656,
Short.MAX_VALUE)
.addComponent(jLabel1)
.addGap(17, 17, 17))))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(14, 14, 14)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jLabel1)
.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 517,
Short.MAX_VALUE)
.addContainerGap())
);
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
pack();
} // </editor-fold>
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:

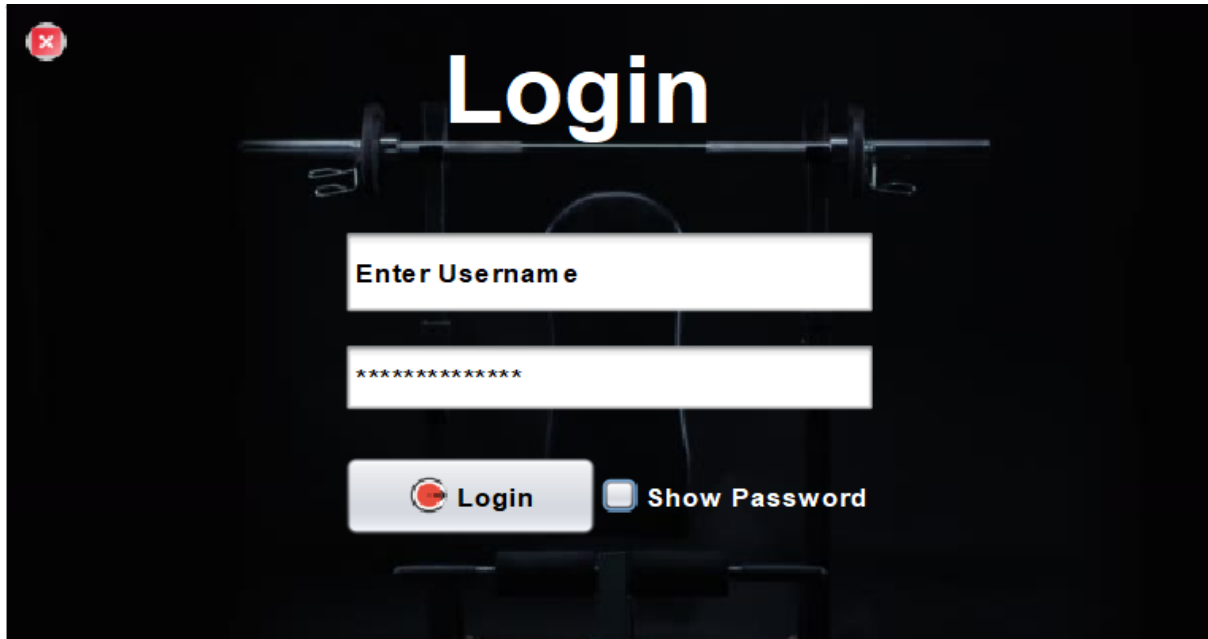
```

```

setVisible(false);
}
/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
    (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default
    look and feel.
    * For details see
    http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
            javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(ListOfMembers.class.getName()).log(java.util.
            logging.Level.SEVERE
            , null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(ListOfMembers.class.getName()).log(java.util.
            logging.Level.SEVERE
            , null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(ListOfMembers.class.getName()).log(java.util.
            logging.Level.SEVERE
            , null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(ListOfMembers.class.getName()).log(java.util.
            logging.Level.SEVERE
            , null, ex);
    }
    //</editor-fold>
    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new ListOfMembers().setVisible(true);
        }
    });
}
// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
// End of variables declaration }

```

LOGIN PAGE



ADMIN HOME PAGE



WELCOME

ADD NEW MEMBER



New Member

Member ID: 3

Name

Mother's Name

Mobile Number

Gym Time

Email

Aadhar Number (Unique ID)

Gender

Age

Father's Name

Amount To Pay/Month



UPDATE MEMBER PAGE



Update Delete Member

MEMBER ID:



Name

Mother's Name

Mobile Number

Gym Time

Email

Aadhar Number (Unique ID)

Gender

Age

Father's Name

Amount To Pay/Month



PAYMENT PAGE

 Update & Delete Member

 New Member

 List Of Members

 Payment

 Logout

 Exit



PAYMENT

MEMBER ID:  Search

Date 10/11/24, 2:38 pm

Name

Mobile Number

Email

Amount To Pay

 Save

 Reset

Month	Amount

LIST OF MEMBERS

 Update & Delete Member

 New Member

 List Of Members

 Payment

 Logout

 Exit



List Of Members

Member ID	Name	Mobile Number	Email	Gender	Father's Name	Mother's Name	Gym Time	Aadhar Number	Age	Amount
1	Alice	9949023658	alicealangmail.co.	Female	Alan	Alexa	05:00-10:00PM	123456789	33	510.00
2	Alex	9032587962	alex@gmail.com	Male	Alan	Alexa	05:00-10:00AM	213456789	34	700.00

6.1 CONCLUSION

In conclusion, the Gym Management System project demonstrates the effectiveness of combining Java, MySQL, and NetBeans to create a streamlined, user-friendly administrative tool tailored for gym management. By offering a secure login interface for administrators, the system restricts access exclusively to authorized personnel, enhancing data privacy and operational control. The system enables administrators to manage member information comprehensively, including adding, updating, and deleting member profiles, along with recording payments and viewing all member records. Additionally, the integration with a robust payment tracking system in the payment table ensures accurate financial record-keeping, simplifying audit and billing processes.

This project effectively addresses real-world gym management needs by reducing manual workloads, minimizing errors, and offering reliable data storage and retrieval functionalities. Through structured modules for each function, the application delivers high performance and supports efficient data management. The use of JDK ensures secure database connectivity and smooth application operations. In essence, this Gym Management System represents a scalable, adaptable solution that could be further enhanced with future updates such as integrating additional modules for scheduling, attendance tracking, or personalized member engagement. Overall, the project not only showcases technical skills but also highlights the potential for software-driven optimization in gym management.

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