Bahria University,
Karachi Campus

COURSE: CSL-210 OBJECT ORIENTED PROGRAMMING
TERM: SPRING 2023, CLASS: BSE- 2 (B)

GYM MANAGEMENT SYSEM

Submitted By:

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1. Introduction:

A gym management system is a GUI based software that integrates and automates various aspects of running a gym, fitness, or yoga business. It enhances the customer experience and helps with marketing. The project aims to develop a comprehensive software solution that efficiently manages the operations of a gym or fitness center. The system automates various administrative tasks, simplifies member management, enhances scheduling and booking processes, streamlines billing and payment procedures, and provides insightful analytics for effective decision-making. This project report presents an overview of the Gym Management System, highlighting its key features, development process, challenges encountered, and future recommendations.

2. OOP Concepts:

By applying OOP concepts, the Gym Management System project achieves a modular and extensible design, with clear separation of concerns and code that is easier to understand, modify, and maintain. The following are some of the OOP concepts utilized in the project:

- **Encapsulation:**
  In the Gym Management System, classes like Member, Payments etc. encapsulate relevant data fields and methods, ensuring data integrity and providing a clear interface for interacting with the system.
- **Inheritance:**
  In the Gym Management System, inheritance can be observed in classes like Member and Update Member, which inherit common attributes and methods from a base class. This approach reduces code duplication and simplifies maintenance.
- **Polymorphism:**
  In the Gym Management System, polymorphism can be seen in scenarios where different types of members (such as VIP, regular, and old) may perform certain common operations, but with specific implementations.
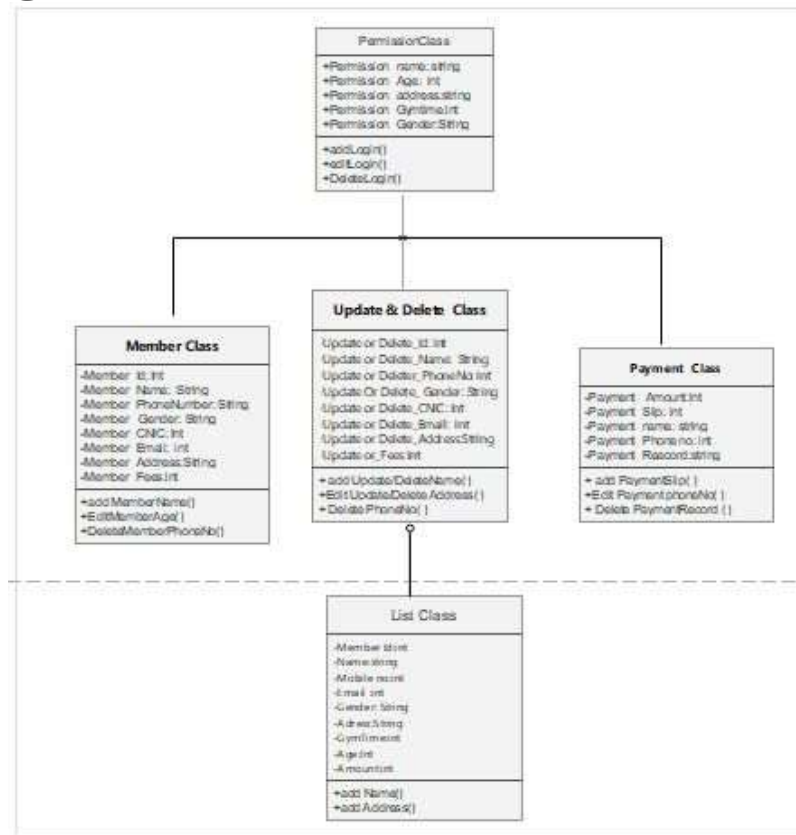- **Abstraction:**
  In the Gym Management System, abstraction is employed when designing classes like Membership and List of members, which provide high-level representations. This abstraction allows the system to manage complex data and operations more efficiently.
- **Association and Composition:**
  In the Gym Management System, classes like Gym, Member, and Schedule are associated, indicating that a gym has members and schedules. Composition can be observed when classes like Gym contain objects of other classes, such as Members, Payment, representing their interdependence.

3. Class Diagram:

4. Features:

The features collectively aim to optimize gym operations, enhance member experience, and contribute to the overall success of the gym or fitness center. The key features of the Gym Management System are:

- **Member Management:**
  Efficiently store and manage member information, including personal details, contact information, membership history, and attendance records. Simplify the registration process and provide a user-friendly interface for updating member profiles.
- **Billing and Payments:**
  Automate membership fee calculations, generate invoices, and track payment history. Integrate with popular payment gateways for secure online transactions. Send automated payment reminders to ensure timely payments.
- **Security and Access Control:**
  Implement robust security measures to protect member data and ensure secure transactions. Control access to sensitive information through user roles and permissions. Implement measures to safeguard against unauthorized access.
- **Customization and Branding:**
  Allow gym owners to customize the system's branding, including logos, colors, and themes, to maintain a consistent brand identity. Tailor the system to meet specific business requirements and adapt to unique gym offerings or programs.

5. Code:

Login:

```java
package GuiProject;

import java.awt.Color;
import javax.swing.JOptionPane;

public class Login extends javax.swing.JFrame {

    public Login() {
        initComponents();
        this.setSize(800,600);
        this.setLocationRelativeTo(null);
        incorrectUNLbl.setVisible(false);
        incorrectPWLbl.setVisible(false);
    }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        closeBtn = new javax.swing.JButton();
        loginLbl = new javax.swing.JLabel();
        incorrectUNLbl = new javax.swing.JLabel();
        incorrectPWLbl = new javax.swing.JLabel();
        usernameTxt = new javax.swing.JTextField();
        passwordTxt = new javax.swing.JPasswordField();
        MainheadLbl = new javax.swing.JLabel();
        loginBtn = new javax.swing.JButton();
        ShowPassCb = new javax.swing.JCheckBox();
        jLabel1 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setBounds(new java.awt.Rectangle(0, 0, 0, 0));
        setUndecorated(true);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        closeBtn.setForeground(new java.awt.Color(0, 118, 221));
        closeBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/close.png"))); // NOI18N
        closeBtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                closeBtnActionPerformed(evt);
            }
        });
        getContentPane().add(closeBtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(70, 110, -1, -1));

        loginLbl.setFont(new java.awt.Font("Britannic Bold", 1, 30)); // NOI18N
        loginLbl.setForeground(new java.awt.Color(0, 118, 221));
        loginLbl.setText("Login");
        getContentPane().add(loginLbl, new org.netbeans.lib.awtextra.AbsoluteConstraints(480, 220, -1, -1));

        incorrectUNLbl.setFont(new java.awt.Font("Segoe UI", 1, 9)); // NOI18N
        incorrectUNLbl.setForeground(new java.awt.Color(255, 0, 0));
        incorrectUNLbl.setText("Incorrect Username!");
        getContentPane().add(incorrectUNLbl, new org.netbeans.lib.awtextra.AbsoluteConstraints(410, 290, -1, 40));

        incorrectPWLbl.setFont(new java.awt.Font("Segoe UI", 1, 9)); // NOI18N
        incorrectPWLbl.setForeground(new java.awt.Color(255, 0, 0));
        incorrectPWLbl.setText("Incorrect Password!");
        getContentPane().add(incorrectPWLbl, new org.netbeans.lib.awtextra.AbsoluteConstraints(410, 350, -1, 20));

        usernameTxt.setFont(new java.awt.Font("Segoe UI", 1, 11)); // NOI18N
        usernameTxt.setForeground(new java.awt.Color(0, 118, 221));
        usernameTxt.setText("Enter Username");
        usernameTxt.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusGained(java.awt.event.FocusEvent evt) {
                usernameTxtFocusGained(evt);
            }
            public void focusLost(java.awt.event.FocusEvent evt) {
                usernameTxtFocusLost(evt);
            }
        });
        getContentPane().add(usernameTxt, new org.netbeans.lib.awtextra.AbsoluteConstraints(410, 280, 230, -1));

        passwordTxt.setFont(new java.awt.Font("Segoe UI", 1, 11)); // NOI18N
        passwordTxt.setForeground(new java.awt.Color(0, 118, 221));
        passwordTxt.setText("Enter Password");
        passwordTxt.addFocusListener(new java.awt.event.FocusAdapter() {
```

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```java
            public void focusGained(java.awt.event.FocusEvent evt) {
                passwordTxtFocusGained(evt);
            }
            public void focusLost(java.awt.event.FocusEvent evt) {
                passwordTxtFocusLost(evt);
            }
        });
        getContentPane().add(passwordTxt, new org.netbeans.lib.awtextra.AbsoluteConstraints(410, 330, 230, -1));

        MainheadLbl.setFont(new java.awt.Font("Britannic Bold", 1, 34)); // NOI18N
        MainheadLbl.setForeground(new java.awt.Color(0, 118, 221));
        MainheadLbl.setText("GYM Management System");
        getContentPane().add(MainheadLbl, new org.netbeans.lib.awtextra.AbsoluteConstraints(320, 160, -1, -1));

        loginBtn.setBackground(new java.awt.Color(0, 118, 221));
        loginBtn.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
        loginBtn.setForeground(new java.awt.Color(255, 255, 255));
        loginBtn.setText("Login");
        loginBtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                loginBtnActionPerformed(evt);
            }
        });
        getContentPane().add(loginBtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(410, 380, 230, -1));

        ShowPassCb.setFont(new java.awt.Font("Segoe UI", 1, 10)); // NOI18N
        ShowPassCb.setForeground(new java.awt.Color(0, 118, 221));
        ShowPassCb.setText("Show Password");
        ShowPassCb.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                ShowPassCbActionPerformed(evt);
            }
        });
        getContentPane().add(ShowPassCb, new org.netbeans.lib.awtextra.AbsoluteConstraints(540, 360, -1, -1));

        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/login background.PNG"))); // NOI18N
        jLabel1.setText("jLabel1");
        getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(-110, -90, 910, -1));

        pack();
        setLocationRelativeTo(null);
    }// </editor-fold>

    private void ShowPassCbActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if (ShowPassCb.isSelected()){
            passwordTxt.setEchoChar((char)0);
        }
        else{
            passwordTxt.setEchoChar('*');
        }
    }

    private void usernameTxtFocusGained(java.awt.event.FocusEvent evt) {
        // TODO add your handling code here:
        incorrectUNLbl.setVisible(false);
        incorrectPWLbl.setVisible(false);
        if(usernameTxt.getText().equals("Enter Username")){
            usernameTxt.setText("");
            usernameTxt.setForeground(new Color(0,118,221));
        }
    }

    private void usernameTxtFocusLost(java.awt.event.FocusEvent evt) {
        // TODO add your handling code here:
        incorrectUNLbl.setVisible(false);
        incorrectPWLbl.setVisible(false);
        if (usernameTxt.getText().equals("")){
            usernameTxt.setText("Enter Username");
            usernameTxt.setForeground(new Color(0,118,221));
        }
    }
    private void passwordTxtFocusGained(java.awt.event.FocusEvent evt) {
        // TODO add your handling code here:
        incorrectUNLbl.setVisible(false);
        incorrectPWLbl.setVisible(false);
        if(passwordTxt.getText().equals("Enter Password")){
            passwordTxt.setText("");
            passwordTxt.setForeground(new Color(0,118,221));
```

```java
                }
            }
            private void passwordTxtFocusLost(java.awt.event.FocusEvent evt) {
                incorrectUNLbl.setVisible(false);
                incorrectPWLbl.setVisible(false);
                if (passwordTxt.getText().equals("")){
                    passwordTxt.setText("Enter Password");
                    passwordTxt.setForeground(new Color(0,118,221));
                }
            }
            private void closeBtnActionPerformed(java.awt.event.ActionEvent evt) {
                int a = JOptionPane.showConfirmDialog(null,"Do you want to Exit?", "Select", JOptionPane.YES_NO_OPTION);
                if (a == 0){
                    System.exit(0);
                }
            }
            private void loginBtnActionPerformed(java.awt.event.ActionEvent evt) {
                if ((usernameTxt.getText().equals("iabdullah") && passwordTxt.getText().equals("81962")) ||
        (usernameTxt.getText().equals("abdulwahabaslam") && passwordTxt.getText().equals("81988"))){
                    setVisible(false);
                    new Home().setVisible(true);
                }
                else if (usernameTxt.getText().equals("iabdullah") || usernameTxt.getText().equals("abdulwahabaslam")){
                    incorrectUNLbl.setVisible(false);
                }
                else {
                    incorrectUNLbl.setVisible(true);
                }
                if (passwordTxt.getText().equals("81962") || passwordTxt.getText().equals("81988")){
                    incorrectPWLbl.setVisible(false);
                }
                else{
                    incorrectPWLbl.setVisible(true);
                }
                if ((usernameTxt.getText().equals("iabdullah") && passwordTxt.getText().equals("81988")) ||
        (usernameTxt.getText().equals("abdulwahabaslam") && passwordTxt.getText().equals("81962"))){
                    incorrectPWLbl.setVisible(true);
                }
            }
            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(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
                } catch (InstantiationException ex) {
                    java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
                } catch (IllegalAccessException ex) {
                    java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
                } catch (javax.swing.UnsupportedLookAndFeelException ex) {
                    java.util.logging.Logger.getLogger(Login.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 Login().setVisible(true);
                    }
                });
            }
            // Variables declaration - do not modify
            private javax.swing.JLabel MainheadLbl;
            private javax.swing.JCheckBox ShowPassCb;
            private javax.swing.JButton closeBtn;
            private javax.swing.JLabel incorrectPWLbl;
            private javax.swing.JLabel incorrectUNLbl;
            private javax.swing.JLabel jLabel1;
            private javax.swing.JButton loginBtn;
            private javax.swing.JLabel loginLbl;
```

```java
    private javax.swing.JPasswordField passwordTxt;
    private javax.swing.JTextField usernameTxt;
    // End of variables declaration
}
```

Home:

```java
package GuiProject;

import javax.swing.JOptionPane;

public class Home extends javax.swing.JFrame {

    public Home() {
        initComponents();
        this.setSize(800,600);
        this.setLocationRelativeTo(null);
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        mainLbl = new javax.swing.JLabel();
        upanddltBtn = new javax.swing.JButton();
        exitBtn = new javax.swing.JButton();
        listofMemBtn = new javax.swing.JButton();
        paymentBtn = new javax.swing.JButton();
        newMemberBtn = new javax.swing.JButton();
        logOutBtn = new javax.swing.JButton();
        logoutLbl = new javax.swing.JLabel();
        newMemberLbl = new javax.swing.JLabel();
        paymentLbl = new javax.swing.JLabel();
        listofMemberLbl = new javax.swing.JLabel();
        upandDltLbl = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setUndecorated(true);

        jPanel1.setBackground(new java.awt.Color(0, 118, 221));
        jPanel1.setPreferredSize(new java.awt.Dimension(800, 600));

        mainLbl.setFont(new java.awt.Font("Britannic Bold", 1, 42)); // NOI18N
        mainLbl.setForeground(new java.awt.Color(255, 255, 255));
        mainLbl.setText("Welcome to Gym Management System");

        upanddltBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/update & delete member.png"))); //
NOI18N
        upanddltBtn.setPreferredSize(new java.awt.Dimension(65, 65));
        upanddltBtn.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                upanddltBtnMouseClicked(evt);
            }
        });
        upanddltBtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                upanddltBtnActionPerformed(evt);
            }
        });

        exitBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/close.png"))); // NOI18N
        exitBtn.setPreferredSize(new java.awt.Dimension(33, 33));
        exitBtn.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                exitBtnMouseClicked(evt);
            }
        });
        exitBtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                exitBtnActionPerformed(evt);
            }
        });

        listofMemBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/list of members.png"))); // NOI18N
        listofMemBtn.setMinimumSize(new java.awt.Dimension(85, 85));
        listofMemBtn.setPreferredSize(new java.awt.Dimension(65, 65));
        listofMemBtn.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                listofMemBtnMouseClicked(evt);
```

```java
        }
    });
    listofMemBtn.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            listofMemBtnActionPerformed(evt);
        }
    });

    paymentBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/payment.png"))); // NOI18N
    paymentBtn.setPreferredSize(new java.awt.Dimension(65, 65));
    paymentBtn.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            paymentBtnMouseClicked(evt);
        }
    });
    paymentBtn.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            paymentBtnActionPerformed(evt);
        }
    });

    newMemberBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/new member.png"))); // NOI18N
    newMemberBtn.setPreferredSize(new java.awt.Dimension(65, 65));
    newMemberBtn.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            newMemberBtnMouseClicked(evt);
        }
    });

    logOutBtn.setBackground(new java.awt.Color(0, 118, 221));
    logOutBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/logout.png"))); // NOI18N
    logOutBtn.setBorder(null);
    logOutBtn.setMaximumSize(new java.awt.Dimension(55, 55));
    logOutBtn.setMinimumSize(new java.awt.Dimension(55, 55));
    logOutBtn.setPreferredSize(new java.awt.Dimension(55, 55));
    logOutBtn.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            logOutBtnMouseClicked(evt);
        }
    });

    logoutLbl.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
    logoutLbl.setForeground(new java.awt.Color(255, 255, 255));
    logoutLbl.setText("Logout");

    newMemberLbl.setFont(new java.awt.Font("Segoe UI", 1, 13)); // NOI18N
    newMemberLbl.setForeground(new java.awt.Color(255, 255, 255));
    newMemberLbl.setText("New Member");

    paymentLbl.setFont(new java.awt.Font("Segoe UI", 1, 13)); // NOI18N
    paymentLbl.setForeground(new java.awt.Color(255, 255, 255));
    paymentLbl.setText("Payments");

    listofMemberLbl.setFont(new java.awt.Font("Segoe UI", 1, 13)); // NOI18N
    listofMemberLbl.setForeground(new java.awt.Color(255, 255, 255));
    listofMemberLbl.setText("List of Members");

    upandDltLbl.setFont(new java.awt.Font("Segoe UI", 1, 13)); // NOI18N
    upandDltLbl.setForeground(new java.awt.Color(255, 255, 255));
    upandDltLbl.setText("Update or Delete Member");

    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.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(138, 138, 138)
                    .addComponent(newMemberBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(84, 84, 84)
                    .addComponent(upanddltBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(131, 131, 131)
                    .addComponent(newMemberLbl)
                    .addGap(18, 18, 18)
                    .addComponent(upandDltLbl)))
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                    .addGap(42, 42, 42)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(paymentLbl)
                        .addComponent(paymentBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(83, 83, 83)
                            .addComponent(listofMemBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(63, 63, 63)
                            .addComponent(listofMemberLbl, javax.swing.GroupLayout.PREFERRED_SIZE, 110,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addContainerGap(121, Short.MAX_VALUE))
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                    .addContainerGap(35, Short.MAX_VALUE)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(exitBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(648, 648, 648)
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addGroup(jPanel1Layout.createSequentialGroup()
                                    .addGap(6, 6, 6)
                                    .addComponent(logoutLbl))
                                .addComponent(logOutBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addComponent(mainLbl, javax.swing.GroupLayout.PREFERRED_SIZE, 743,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(22, 22, 22))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(16, 16, 16)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(logOutBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(exitBtn, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(logoutLbl)
                .addGap(68, 68, 68)
                .addComponent(mainLbl)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 99, Short.MAX_VALUE)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(upanddltBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(newMemberBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(listofMemBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(paymentBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(upandDltLbl)
                    .addComponent(newMemberLbl)
                    .addComponent(paymentLbl)
                    .addComponent(listofMemberLbl))
                .addGap(205, 205, 205))
        );

        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();
        setLocationRelativeTo(null);
```

```java
        }// </editor-fold>

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

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

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

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

        private void logOutBtnMouseClicked(java.awt.event.MouseEvent evt) {
            // TODO add your handling code here:
            int a = JOptionPane.showConfirmDialog(null,"Logout?","Select",JOptionPane.YES_NO_OPTION);
            if (a == 0){
                setVisible(false);
                new Login().setVisible(true);
            }
        }

        private void exitBtnMouseClicked(java.awt.event.MouseEvent evt) {
            // TODO add your handling code here:
            int a = JOptionPane.showConfirmDialog(null,"Do you want to Exit?","Select",JOptionPane.YES_NO_OPTION);
            if (a == 0){
                System.exit(0);
            }
        }

        private void newMemberBtnMouseClicked(java.awt.event.MouseEvent evt) {
            new NewMember().setVisible(true);
        }

        private void upanddltBtnMouseClicked(java.awt.event.MouseEvent evt) {
            new UpdateDeleteMember().setVisible(true);
        }

        private void listofMemBtnMouseClicked(java.awt.event.MouseEvent evt) {
            new ListOfMembers().setVisible(true);
        }

        private void paymentBtnMouseClicked(java.awt.event.MouseEvent evt) {
            new Payment().setVisible(true);
        }

        /**
         * @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(Home.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (InstantiationException ex) {
                java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (IllegalAccessException ex) {
                java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (javax.swing.UnsupportedLookAndFeelException ex) {
                java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            }
            //</editor-fold>
```

```java
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Home().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton exitBtn;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JButton listofMemBtn;
    private javax.swing.JLabel listofMemberLbl;
    private javax.swing.JButton logOutBtn;
    private javax.swing.JLabel logoutLbl;
    private javax.swing.JLabel mainLbl;
    private javax.swing.JButton newMemberBtn;
    private javax.swing.JLabel newMemberLbl;
    private javax.swing.JButton paymentBtn;
    private javax.swing.JLabel paymentLbl;
    private javax.swing.JLabel upandDltLbl;
    private javax.swing.JButton upanddltBtn;
    // End of variables declaration
}
```

NewMember:

```java
package GuiProject;

import java.sql.*;
import javax.swing.JOptionPane;

/**
 *
 * @author ESHOP
 */
public class NewMember extends javax.swing.JFrame {

    public static Connection getCon() {

        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/GMS", "root", "abdullah01");
            return con;
        } catch (Exception e) {
            return null;
        }
    }

    /**
     * Creates new form NewMember
     */
    public NewMember() {
        initComponents();
        this.setSize(800, 600);
        this.setLocationRelativeTo(null);
        try {
            int id = 01;
            String str = String.valueOf(id);
            idLbl.setText(str);
            Connection con = getCon();
            Statement st = con.createStatement();
            ResultSet rs = st.executeQuery("select max(id) from newMember");
            while (rs.next()) {
                id = rs.getInt(01);
                id = id + 1;
                String str2 = String.valueOf(id);
                idLbl.setText(str2);
            }
        } 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.
     */
```

```java
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    closeBtn = new javax.swing.JButton();
    mainLbl = new javax.swing.JLabel();
    Lbl = new javax.swing.JLabel();
    nameLbl = new javax.swing.JLabel();
    nameTxt = new javax.swing.JTextField();
    idLbl = new javax.swing.JLabel();
    numberLbl = new javax.swing.JLabel();
    numberTxt = new javax.swing.JTextField();
    emailLbl = new javax.swing.JLabel();
    emailTxt = new javax.swing.JTextField();
    genderLbl = new javax.swing.JLabel();
    genderCbox = new javax.swing.JComboBox<>();
    fNameLbl = new javax.swing.JLabel();
    fNameTxt = new javax.swing.JTextField();
    ageLbl = new javax.swing.JLabel();
    ageTxt = new javax.swing.JTextField();
    cnicLbl = new javax.swing.JLabel();
    cnicTxt = new javax.swing.JTextField();
    clearBtn = new javax.swing.JButton();
    saveBtn = new javax.swing.JButton();
    addressLbl = new javax.swing.JLabel();
    addressTxt = new javax.swing.JTextField();
    timingLbl = new javax.swing.JLabel();
    amountLbl = new javax.swing.JLabel();
    amountTxt = new javax.swing.JTextField();
    shiftCbox = new javax.swing.JComboBox<>();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setUndecorated(true);

    jPanel1.setBackground(new java.awt.Color(255, 255, 255));

    closeBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/close.png"))); // NOI18N
    closeBtn.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            closeBtnActionPerformed(evt);
        }
    });

    mainLbl.setFont(new java.awt.Font("Britannic Bold", 1, 30)); // NOI18N
    mainLbl.setForeground(new java.awt.Color(0, 118, 221));
    mainLbl.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/new member.png"))); // NOI18N
    mainLbl.setText("New Member");

    Lbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
    Lbl.setForeground(new java.awt.Color(0, 118, 221));
    Lbl.setText("Member ID:");

    nameLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
    nameLbl.setForeground(new java.awt.Color(0, 118, 221));
    nameLbl.setText("Name");

    nameTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
    nameTxt.setForeground(new java.awt.Color(0, 118, 221));
    nameTxt.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            nameTxtActionPerformed(evt);
        }
    });

    idLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
    idLbl.setForeground(new java.awt.Color(255, 0, 0));
    idLbl.setText("00");

    numberLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
    numberLbl.setForeground(new java.awt.Color(0, 118, 221));
    numberLbl.setText("Mobile Number");

    numberTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
    numberTxt.setForeground(new java.awt.Color(0, 118, 221));
    numberTxt.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            numberTxtActionPerformed(evt);
        }
    });
```

```java
        });

        emailLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        emailLbl.setForeground(new java.awt.Color(0, 118, 221));
        emailLbl.setText("Email");

        emailTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        emailTxt.setForeground(new java.awt.Color(0, 118, 221));
        emailTxt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                emailTxtActionPerformed(evt);
            }
        });

        genderLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        genderLbl.setForeground(new java.awt.Color(0, 118, 221));
        genderLbl.setText("Gender");

        genderCbox.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        genderCbox.setForeground(new java.awt.Color(0, 118, 221));
        genderCbox.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select", "Male", "Female", "Others",
    "Prefer not to say" }));

        fNameLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        fNameLbl.setForeground(new java.awt.Color(0, 118, 221));
        fNameLbl.setText("Father Name");

        fNameTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        fNameTxt.setForeground(new java.awt.Color(0, 118, 221));

        ageLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        ageLbl.setForeground(new java.awt.Color(0, 118, 221));
        ageLbl.setText("Age");

        ageTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        ageTxt.setForeground(new java.awt.Color(0, 118, 221));

        cnicLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        cnicLbl.setForeground(new java.awt.Color(0, 118, 221));
        cnicLbl.setText("CNIC");

        cnicTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        cnicTxt.setForeground(new java.awt.Color(0, 118, 221));

        clearBtn.setBackground(new java.awt.Color(0, 118, 221));
        clearBtn.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        clearBtn.setForeground(new java.awt.Color(255, 255, 255));
        clearBtn.setText("Clear");
        clearBtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                clearBtnActionPerformed(evt);
            }
        });

        saveBtn.setBackground(new java.awt.Color(0, 118, 221));
        saveBtn.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        saveBtn.setForeground(new java.awt.Color(255, 255, 255));
        saveBtn.setText("Add");
        saveBtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                saveBtnActionPerformed(evt);
            }
        });

        addressLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        addressLbl.setForeground(new java.awt.Color(0, 118, 221));
        addressLbl.setText("Address");

        addressTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        addressTxt.setForeground(new java.awt.Color(0, 118, 221));

        timingLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        timingLbl.setForeground(new java.awt.Color(0, 118, 221));
        timingLbl.setText("Shift");

        amountLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        amountLbl.setForeground(new java.awt.Color(0, 118, 221));
        amountLbl.setText("Monthly Fee (Rs)");
```

```java
            amountTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
            amountTxt.setForeground(new java.awt.Color(0, 118, 221));

            shiftCbox.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
            shiftCbox.setForeground(new java.awt.Color(0, 118, 221));
            shiftCbox.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select", "05:00 AM - 08:00 AM", "12:00
PM - 03:00 PM", "06:00 PM - 09:00 PM" }));

            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.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(137, 137, 137)
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addGroup(jPanel1Layout.createSequentialGroup()
                                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                        .addComponent(genderLbl)
                                        .addComponent(numberLbl)
                                        .addComponent(emailLbl)
                                        .addComponent(addressLbl)
                                        .addComponent(timingLbl)
                                        .addComponent(amountLbl)
                                        .addComponent(nameLbl)
                                        .addComponent(fNameLbl)
                                        .addComponent(cnicLbl))
                                    .addGap(45, 45, 45)
                                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                                        .addComponent(numberTxt)
                                        .addComponent(emailTxt)
                                        .addComponent(addressTxt)
                                        .addComponent(amountTxt)
                                        .addComponent(shiftCbox, 0, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                        .addComponent(fNameTxt)
                                        .addGroup(jPanel1Layout.createSequentialGroup()
                                            .addComponent(genderCbox, javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                            .addGap(18, 18, 18)
                                            .addComponent(ageLbl, javax.swing.GroupLayout.PREFERRED_SIZE, 27,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                            .addGap(18, 18, 18)
                                            .addComponent(ageTxt, javax.swing.GroupLayout.PREFERRED_SIZE, 90,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                        .addComponent(nameTxt)
                                        .addComponent(cnicTxt, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 237, javax.swing.GroupLayout.PREFERRED_SIZE)
                                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                                            .addComponent(clearBtn)
                                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                            .addComponent(saveBtn))))
                                .addGroup(jPanel1Layout.createSequentialGroup()
                                    .addComponent(Lbl)
                                    .addGap(18, 18, 18)
                                    .addComponent(idLbl))))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(16, 16, 16)
                            .addComponent(closeBtn)
                            .addGap(218, 218, 218)
                            .addComponent(mainLbl)))
                    .addContainerGap(284, 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()
                            .addGap(16, 16, 16)
                            .addComponent(closeBtn))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addContainerGap()
                            .addComponent(mainLbl)))
                    .addGap(42, 42, 42)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(Lbl)
```

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```java
                        .addComponent(idLbl))
                    .addGap(18, 18, 18)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(nameLbl)
                        .addComponent(nameTxt, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(21, 21, 21)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(fNameLbl)
                        .addComponent(fNameTxt, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(15, 15, 15)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(genderLbl)
                        .addComponent(genderCbox, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(ageLbl)
                        .addComponent(ageTxt, 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(cnicLbl)
                        .addComponent(cnicTxt, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(15, 15, 15)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(numberLbl)
                        .addComponent(numberTxt, 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.LEADING)
                        .addComponent(emailLbl)
                        .addComponent(emailTxt, 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.LEADING)
                        .addComponent(addressLbl)
                        .addComponent(addressTxt, 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.LEADING)
                        .addComponent(timingLbl)
                        .addComponent(shiftCbox, 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.LEADING)
                        .addComponent(amountLbl)
                        .addComponent(amountTxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 63, Short.MAX_VALUE)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(clearBtn)
                        .addComponent(saveBtn))
                    .addGap(33, 33, 33))
        );

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

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

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

    private void clearBtnActionPerformed(java.awt.event.ActionEvent evt) {
        int a = JOptionPane.showConfirmDialog(null, "Clear all?", "Select", JOptionPane.YES_NO_OPTION);
        if (a == 0) {
            setVisible(false);
            new NewMember().setVisible(true);
        }
    }

    private void closeBtnActionPerformed(java.awt.event.ActionEvent evt) {
        setVisible(false);
        new Home().setVisible(true);
    }

    private void saveBtnActionPerformed(java.awt.event.ActionEvent evt) {
        int a = JOptionPane.showConfirmDialog(null, "Add Member?", "Select", JOptionPane.YES_NO_OPTION);
        if (a == 0) {
            String id = idLbl.getText();
            String name = nameTxt.getText();
            String fatherName = fNameTxt.getText();
            String gender = (String) genderCbox.getSelectedItem();
            String age = ageTxt.getText();
            String CNIC = cnicTxt.getText();
            String mobileNumber = numberTxt.getText();
            String eMail = emailTxt.getText();
            String address = addressTxt.getText();
            String shift = (String) shiftCbox.getSelectedItem();
            String fee = amountTxt.getText();

            try {
                Connection con = getCon();
                PreparedStatement ps = con.prepareStatement("insert into newMember values (?,?,?,?,?,?,?,?,?,?,?)");
                ps.setString(1, id);
                ps.setString(2, name);
                ps.setString(3, fatherName);
                ps.setString(4, gender);
                ps.setString(5, age);
                ps.setString(6, CNIC);
                ps.setString(7, mobileNumber);
                ps.setString(8, eMail);
                ps.setString(9, address);
                ps.setString(10, shift);
                ps.setString(11, fee);
                ps.executeUpdate();
                JOptionPane.showMessageDialog(null, "Successfully Added.");
                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.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(NewMember.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(NewMember.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```java
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(NewMember.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 NewMember().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel Lbl;
    private javax.swing.JLabel addressLbl;
    private javax.swing.JTextField addressTxt;
    private javax.swing.JLabel ageLbl;
    private javax.swing.JTextField ageTxt;
    private javax.swing.JLabel amountLbl;
    private javax.swing.JTextField amountTxt;
    private javax.swing.JButton clearBtn;
    private javax.swing.JButton closeBtn;
    private javax.swing.JLabel cnicLbl;
    private javax.swing.JTextField cnicTxt;
    private javax.swing.JLabel emailLbl;
    private javax.swing.JTextField emailTxt;
    private javax.swing.JLabel fNameLbl;
    private javax.swing.JTextField fNameTxt;
    private javax.swing.JComboBox<String> genderCbox;
    private javax.swing.JLabel genderLbl;
    private javax.swing.JLabel idLbl;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JLabel mainLbl;
    private javax.swing.JLabel nameLbl;
    private javax.swing.JTextField nameTxt;
    private javax.swing.JLabel numberLbl;
    private javax.swing.JTextField numberTxt;
    private javax.swing.JButton saveBtn;
    private javax.swing.JComboBox<String> shiftCbox;
    private javax.swing.JLabel timingLbl;
    // End of variables declaration
}
```

UpdateDeleteMember:

```java
package GuiProject;

import java.sql.*;
import javax.swing.JOptionPane;

public class UpdateDeleteMember extends javax.swing.JFrame {

    public UpdateDeleteMember() {
        initComponents();
        this.setSize(800, 600);
        this.setLocationRelativeTo(null);

        nameTxt.setEditable(false);
        fNameTxt.setEditable(false);
        genderTxt.setEditable(false);
        ageTxt.setEditable(false);
        cnicTxt.setEditable(false);
        numberTxt.setEditable(false);
        emailTxt.setEditable(false);
        addressTxt.setEditable(false);
        shiftTxt.setEditable(false);
        amountTxt.setEditable(false);
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        closeBtn = new javax.swing.JButton();
        mainLbl = new javax.swing.JLabel();
        idLbl = new javax.swing.JLabel();
        idTxt = new javax.swing.JTextField();
        searchBtn = new javax.swing.JButton();
```

```java
        nameLbl = new javax.swing.JLabel();
        fNameLbl = new javax.swing.JLabel();
        genderLbl = new javax.swing.JLabel();
        ageLbl = new javax.swing.JLabel();
        cnicLbl = new javax.swing.JLabel();
        numberLbl = new javax.swing.JLabel();
        emailLbl = new javax.swing.JLabel();
        addressLbl = new javax.swing.JLabel();
        addressTxt = new javax.swing.JTextField();
        timingLbl = new javax.swing.JLabel();
        amountLbl = new javax.swing.JLabel();
        clearBtn = new javax.swing.JButton();
        deleteBtn = new javax.swing.JButton();
        updateBtn = new javax.swing.JButton();
        shiftTxt = new javax.swing.JTextField();
        genderTxt = new javax.swing.JTextField();
        ageTxt = new javax.swing.JTextField();
        emailTxt = new javax.swing.JTextField();
        amountTxt = new javax.swing.JTextField();
        numberTxt = new javax.swing.JTextField();
        nameTxt = new javax.swing.JTextField();
        fNameTxt = new javax.swing.JTextField();
        cnicTxt = new javax.swing.JTextField();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setUndecorated(true);

        jPanel1.setBackground(new java.awt.Color(255, 255, 255));

        closeBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/close.png"))); // NOI18N
        closeBtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                closeBtnActionPerformed(evt);
            }
        });

        mainLbl.setFont(new java.awt.Font("Britannic Bold", 1, 28)); // NOI18N
        mainLbl.setForeground(new java.awt.Color(0, 118, 221));
        mainLbl.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/update & delete member.png"))); //
NOI18N
        mainLbl.setText("Update or Delete Members");

        idLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        idLbl.setForeground(new java.awt.Color(0, 118, 221));
        idLbl.setText("Member ID:");

        idTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        idTxt.setForeground(new java.awt.Color(255, 0, 0));
        idTxt.setPreferredSize(new java.awt.Dimension(60, 23));

        searchBtn.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        searchBtn.setForeground(new java.awt.Color(0, 118, 221));
        searchBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/search.png"))); // NOI18N
        searchBtn.setText("Search");
        searchBtn.setPreferredSize(new java.awt.Dimension(92, 23));
        searchBtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                searchBtnActionPerformed(evt);
            }
        });

        nameLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        nameLbl.setForeground(new java.awt.Color(0, 118, 221));
        nameLbl.setText("Name");

        fNameLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        fNameLbl.setForeground(new java.awt.Color(0, 118, 221));
        fNameLbl.setText("Father Name");

        genderLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        genderLbl.setForeground(new java.awt.Color(0, 118, 221));
        genderLbl.setText("Gender");

        ageLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        ageLbl.setForeground(new java.awt.Color(0, 118, 221));
        ageLbl.setText("Age");

        cnicLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        cnicLbl.setForeground(new java.awt.Color(0, 118, 221));
```

```java
cnicLbl.setText("CNIC");

numberLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
numberLbl.setForeground(new java.awt.Color(0, 118, 221));
numberLbl.setText("Mobile Number");

emailLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
emailLbl.setForeground(new java.awt.Color(0, 118, 221));
emailLbl.setText("Email");

addressLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
addressLbl.setForeground(new java.awt.Color(0, 118, 221));
addressLbl.setText("Address");

addressTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
addressTxt.setForeground(new java.awt.Color(0, 118, 221));

timingLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
timingLbl.setForeground(new java.awt.Color(0, 118, 221));
timingLbl.setText("Shift");

amountLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
amountLbl.setForeground(new java.awt.Color(0, 118, 221));
amountLbl.setText("Monthly Fee (Rs)");

clearBtn.setBackground(new java.awt.Color(0, 118, 221));
clearBtn.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
clearBtn.setForeground(new java.awt.Color(255, 255, 255));
clearBtn.setText("Clear");
clearBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        clearBtnActionPerformed(evt);
    }
});

deleteBtn.setBackground(new java.awt.Color(0, 118, 221));
deleteBtn.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
deleteBtn.setForeground(new java.awt.Color(255, 255, 255));
deleteBtn.setText("Delete");
deleteBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        deleteBtnActionPerformed(evt);
    }
});

updateBtn.setBackground(new java.awt.Color(0, 118, 221));
updateBtn.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
updateBtn.setForeground(new java.awt.Color(255, 255, 255));
updateBtn.setText("Update");
updateBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        updateBtnActionPerformed(evt);
    }
});

shiftTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
shiftTxt.setForeground(new java.awt.Color(0, 118, 221));

genderTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
genderTxt.setForeground(new java.awt.Color(0, 118, 221));

ageTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
ageTxt.setForeground(new java.awt.Color(0, 118, 221));

emailTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
emailTxt.setForeground(new java.awt.Color(0, 118, 221));

amountTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
amountTxt.setForeground(new java.awt.Color(0, 118, 221));

numberTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
numberTxt.setForeground(new java.awt.Color(0, 118, 221));

nameTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
nameTxt.setForeground(new java.awt.Color(0, 118, 221));

fNameTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
fNameTxt.setForeground(new java.awt.Color(0, 118, 221));
```

```java
            cnicTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
            cnicTxt.setForeground(new java.awt.Color(0, 118, 221));

            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.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(14, 14, 14)
                            .addComponent(closeBtn)
                            .addGap(136, 136, 136)
                            .addComponent(mainLbl))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(208, 208, 208)
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addGroup(jPanel1Layout.createSequentialGroup()
                                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                        .addGroup(jPanel1Layout.createSequentialGroup()
                                            .addComponent(idLbl)
                                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                            .addComponent(idTxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                                        .addComponent(nameLbl, javax.swing.GroupLayout.PREFERRED_SIZE, 48,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                        .addComponent(fNameLbl)
                                        .addComponent(cnicLbl)
                                        .addComponent(genderLbl)
                                        .addComponent(numberLbl)
                                        .addComponent(emailLbl)
                                        .addComponent(timingLbl)
                                        .addComponent(amountLbl)
                                        .addComponent(addressLbl))
                                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                                        .addComponent(amountTxt, javax.swing.GroupLayout.PREFERRED_SIZE, 235,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                        .addGroup(jPanel1Layout.createSequentialGroup()
                                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
                                                .addComponent(searchBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                                                .addComponent(genderTxt, javax.swing.GroupLayout.PREFERRED_SIZE, 115,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                            .addGap(18, 18, 18)
                                            .addComponent(ageLbl, javax.swing.GroupLayout.PREFERRED_SIZE, 27,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                            .addComponent(ageTxt, javax.swing.GroupLayout.PREFERRED_SIZE, 71,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                        .addComponent(shiftTxt, javax.swing.GroupLayout.PREFERRED_SIZE, 235,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                        .addComponent(addressTxt)
                                        .addComponent(emailTxt)
                                        .addComponent(numberTxt)
                                        .addComponent(nameTxt)
                                        .addComponent(fNameTxt)
                                        .addComponent(cnicTxt, javax.swing.GroupLayout.PREFERRED_SIZE, 237,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                                .addGroup(jPanel1Layout.createSequentialGroup()
                                    .addComponent(clearBtn)
                                    .addGap(82, 82, 82)
                                    .addComponent(deleteBtn)
                                    .addGap(84, 84, 84)
                                    .addComponent(updateBtn)))))
                    .addContainerGap(210, 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()
                            .addGap(17, 17, 17)
                            .addComponent(closeBtn))
                        .addComponent(mainLbl))
                    .addGap(26, 26, 26)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

21

```java
                        .addComponent(searchBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                .addComponent(idLbl)
                                .addComponent(idTxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addGap(33, 33, 33)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(nameTxt, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(nameLbl))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(fNameTxt, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(fNameLbl))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(genderTxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(ageLbl)
                            .addComponent(ageTxt, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(genderLbl))
                        .addGap(18, 18, 18)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(cnicTxt, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(cnicLbl))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 13, Short.MAX_VALUE)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(numberTxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(numberLbl))
                        .addGap(18, 18, 18)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(emailTxt, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(emailLbl))
                        .addGap(18, 18, 18)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(addressTxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(addressLbl))
                        .addGap(18, 18, 18)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(shiftTxt, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(timingLbl))
                        .addGap(18, 18, 18)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(amountTxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(amountLbl))
                        .addGap(39, 39, 39)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(updateBtn)
                            .addComponent(deleteBtn)
                            .addComponent(clearBtn))
                        .addGap(71, 71, 71))
        );

        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 closeBtnActionPerformed(java.awt.event.ActionEvent evt) {
```

```java
            setVisible(false);
            new Home().setVisible(true);
    }

    private void clearBtnActionPerformed(java.awt.event.ActionEvent evt) {
        int a = JOptionPane.showConfirmDialog(null, "Clear all?", "Select", JOptionPane.YES_NO_OPTION);
        if (a == 0) {
            setVisible(false);
            new UpdateDeleteMember().setVisible(true);
        }
    }

    private void searchBtnActionPerformed(java.awt.event.ActionEvent evt) {
        int checkId = 0;
        String id = idTxt.getText();
        try {
            Connection con = NewMember.getCon();
            Statement st = con.createStatement();
            ResultSet rs = st.executeQuery("select *from newMember where id = '" + id + "'");
            while (rs.next()) {
                checkId = 1;
                idTxt.setEditable(false);
                nameTxt.setEditable(true);
                fNameTxt.setEditable(true);
                genderTxt.setEditable(true);
                ageTxt.setEditable(true);
                cnicTxt.setEditable(true);
                numberTxt.setEditable(true);
                emailTxt.setEditable(true);
                addressTxt.setEditable(true);
                shiftTxt.setEditable(true);
                amountTxt.setEditable(true);

                nameTxt.setText(rs.getString(2));
                fNameTxt.setText(rs.getString(3));
                genderTxt.setText(rs.getString(4));
                genderTxt.setEditable(false);
                ageTxt.setText(rs.getString(5));
                cnicTxt.setText(rs.getString(6));
                numberTxt.setText(rs.getString(7));
                emailTxt.setText(rs.getString(8));
                addressTxt.setText(rs.getString(9));
                shiftTxt.setText(rs.getString(10));
                shiftTxt.setEditable(false);
                amountTxt.setText(rs.getString(11));
            }
            if (checkId == 0) {
                JOptionPane.showMessageDialog(null, "Member ID does not exist!");
            }
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null, e);
        }
    }

    private void updateBtnActionPerformed(java.awt.event.ActionEvent evt) {
        int a = JOptionPane.showConfirmDialog(null, "Update info?", "Select", JOptionPane.YES_NO_OPTION);
        if (a == 0) {
            String id = idTxt.getText();
            String name = nameTxt.getText();
            String fatherName = fNameTxt.getText();
            String age = ageTxt.getText();
            String CNIC = cnicTxt.getText();
            String mobileNumber = numberTxt.getText();
            String eMail = emailTxt.getText();
            String address = addressTxt.getText();
            String fee = amountTxt.getText();
            try {
                Connection con = NewMember.getCon();
                PreparedStatement ps = con.prepareStatement("update newMember set
name=?,fatherName=?,age=?,CNIC=?,mobileNumber=?,eMail=?,address=?,fee=? where id=?");
                ps.setString(1, name);
                ps.setString(2, fatherName);
                ps.setString(3, age);
                ps.setString(4, CNIC);
                ps.setString(5, mobileNumber);
                ps.setString(6, eMail);
                ps.setString(7, address);
                ps.setString(8, fee);
                ps.setString(9, id);
```

```java
                ps.executeUpdate();
                JOptionPane.showMessageDialog(null, "Successfullty Updated.");
                setVisible(false);
                new UpdateDeleteMember().setVisible(true);
            } catch (Exception e) {
                JOptionPane.showMessageDialog(null, e);
            }
        }
    }

    private void deleteBtnActionPerformed(java.awt.event.ActionEvent evt) {
        int a = JOptionPane.showConfirmDialog(null, "Delete Member?", "Select", JOptionPane.YES_NO_OPTION);
        if (a == 0) {
            String id = idTxt.getText();
            try {
                Connection con = NewMember.getCon();
                Statement st = con.createStatement();
                st.executeUpdate("delete from newMember where id='" + id + "'");
                JOptionPane.showMessageDialog(null, "Successfully Deleted.");
                setVisible(false);
                new UpdateDeleteMember().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(UpdateDeleteMember.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(UpdateDeleteMember.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(UpdateDeleteMember.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(UpdateDeleteMember.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 UpdateDeleteMember().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel addressLbl;
    private javax.swing.JTextField addressTxt;
    private javax.swing.JLabel ageLbl;
    private javax.swing.JTextField ageTxt;
    private javax.swing.JLabel amountLbl;
    private javax.swing.JTextField amountTxt;
    private javax.swing.JButton clearBtn;
    private javax.swing.JButton closeBtn;
    private javax.swing.JLabel cnicLbl;
    private javax.swing.JTextField cnicTxt;
    private javax.swing.JButton deleteBtn;
    private javax.swing.JLabel emailLbl;
```

```java
        private javax.swing.JTextField emailTxt;
        private javax.swing.JLabel fNameLbl;
        private javax.swing.JTextField fNameTxt;
        private javax.swing.JLabel genderLbl;
        private javax.swing.JTextField genderTxt;
        private javax.swing.JLabel idLbl;
        private javax.swing.JTextField idTxt;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JLabel mainLbl;
        private javax.swing.JLabel nameLbl;
        private javax.swing.JTextField nameTxt;
        private javax.swing.JLabel numberLbl;
        private javax.swing.JTextField numberTxt;
        private javax.swing.JButton searchBtn;
        private javax.swing.JTextField shiftTxt;
        private javax.swing.JLabel timingLbl;
        private javax.swing.JButton updateBtn;
        // End of variables declaration
}
```

ListOfMember:

```java
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
 */
package GuiProject;
import java.sql.*;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;


/**
 *
 * @author ESHOP
 */
public class ListOfMembers extends javax.swing.JFrame {

    /**
     * Creates new form ListOfMembers
     */
    public ListOfMembers() {
        initComponents();
        this.setSize(1000,600);
        this.setLocationRelativeTo(null);
        DefaultTableModel model = (DefaultTableModel)listOfMemTbl.getModel();
        try{
            Connection con = NewMember.getCon();
            Statement st = con.createStatement();
            ResultSet rs = st.executeQuery("select *from newMember");
            while(rs.next()){
                model.addRow(new Object[]{rs.getString(1), rs.getString(2), rs.getString(3), rs.getString(4),
rs.getString(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();
        closeBtn = new javax.swing.JButton();
        mainLbl = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        listOfMemTbl = new javax.swing.JTable();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setUndecorated(true);

        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
```

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```java
            closeBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/close.png"))); // NOI18N
            closeBtn.addActionListener(new java.awt.event.ActionListener() {
                public void actionPerformed(java.awt.event.ActionEvent evt) {
                    closeBtnActionPerformed(evt);
                }
            });

            mainLbl.setFont(new java.awt.Font("Britannic Bold", 1, 30)); // NOI18N
            mainLbl.setForeground(new java.awt.Color(0, 118, 221));
            mainLbl.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/list of members.png"))); // NOI18N
            mainLbl.setText("List of Members");

            listOfMemTbl.setModel(new javax.swing.table.DefaultTableModel(
                new Object [][] {

                },
                new String [] {
                    "ID", "Name", "Father Name", "Gender", "Age", "CNIC", "Mobile No", "Email", "Address", "Shift", "Monthly
Fee"
                }
            ));
            jScrollPane1.setViewportView(listOfMemTbl);
            if (listOfMemTbl.getColumnModel().getColumnCount() > 0) {
                listOfMemTbl.getColumnModel().getColumn(0).setPreferredWidth(10);
                listOfMemTbl.getColumnModel().getColumn(2).setPreferredWidth(100);
                listOfMemTbl.getColumnModel().getColumn(3).setPreferredWidth(30);
                listOfMemTbl.getColumnModel().getColumn(4).setPreferredWidth(10);
                listOfMemTbl.getColumnModel().getColumn(10).setPreferredWidth(65);
            }

            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(15, 15, 15)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 971,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(closeBtn)
                            .addGap(317, 317, 317)
                            .addComponent(mainLbl)))
                    .addContainerGap(14, 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()
                            .addGap(14, 14, 14)
                            .addComponent(closeBtn))
                        .addComponent(mainLbl))
                    .addGap(18, 18, 18)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 508,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addContainerGap(14, 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();
        }// </editor-fold>

    private void closeBtnActionPerformed(java.awt.event.ActionEvent evt) {
            setVisible(false);
            new Home().setVisible(true);
```

```java
        }

        /**
         * @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 closeBtn;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JScrollPane jScrollPane1;
        private javax.swing.JTable listOfMemTbl;
        private javax.swing.JLabel mainLbl;
        // End of variables declaration
}
```

Payment:

```java
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
 */
package GuiProject;

import javax.swing.table.DefaultTableModel;
import java.sql.*;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;
import java.util.Date;

/**
 *
 * @author ESHOP
 */
public class Payment extends javax.swing.JFrame {

    public void tableDetails() {
        DefaultTableModel dtm = (DefaultTableModel) paymentTbl.getModel();
        dtm.setRowCount(0);
        String id = idTxt.getText();
        try {
            Connection con = NewMember.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)});
```

```java
            }
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null, e);
        }
    }

    public void date() {
        SimpleDateFormat dFormat = new SimpleDateFormat("MMM-YYYY");
        Date date = new Date();
        String month = dFormat.format(date);
        dateLbl.setText(month);

    }

    /**
     * Creates new form Payment
     */
    public Payment() {
        initComponents();
        this.setSize(800, 600);
        this.setLocationRelativeTo(null);
        date();
        nameTxt.setEditable(false);
        numberTxt.setEditable(false);
        emailTxt.setEditable(false);
        amountTxt.setEditable(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() {

        jPanel1 = new javax.swing.JPanel();
        closeBtn = new javax.swing.JButton();
        mainLbl = new javax.swing.JLabel();
        idLbl = new javax.swing.JLabel();
        idTxt = new javax.swing.JTextField();
        searchBtn = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        dateLbl = new javax.swing.JLabel();
        nameLbl = new javax.swing.JLabel();
        nameTxt = new javax.swing.JTextField();
        numberLbl = new javax.swing.JLabel();
        numberTxt = new javax.swing.JTextField();
        emailTxt = new javax.swing.JTextField();
        emailLbl = new javax.swing.JLabel();
        amountLbl = new javax.swing.JLabel();
        amountTxt = new javax.swing.JTextField();
        clearBtn = new javax.swing.JButton();
        saveBtn = new javax.swing.JButton();
        jScrollPane1 = new javax.swing.JScrollPane();
        paymentTbl = new javax.swing.JTable();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setUndecorated(true);

        jPanel1.setBackground(new java.awt.Color(255, 255, 255));

        closeBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/close.png"))); // NOI18N
        closeBtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                closeBtnActionPerformed(evt);
            }
        });

        mainLbl.setFont(new java.awt.Font("Britannic Bold", 1, 30)); // NOI18N
        mainLbl.setForeground(new java.awt.Color(0, 118, 221));
        mainLbl.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/payment.png"))); // NOI18N
        mainLbl.setText("Payment");

        idLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        idLbl.setForeground(new java.awt.Color(0, 118, 221));
        idLbl.setText("Member ID:");
```

```java
idTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
idTxt.setForeground(new java.awt.Color(255, 0, 0));
idTxt.setPreferredSize(new java.awt.Dimension(60, 23));

searchBtn.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
searchBtn.setForeground(new java.awt.Color(0, 118, 221));
searchBtn.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/search.png"))); // NOI18N
searchBtn.setText("Search");
searchBtn.setPreferredSize(new java.awt.Dimension(92, 23));
searchBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        searchBtnActionPerformed(evt);
    }
});

jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
jLabel2.setForeground(new java.awt.Color(0, 118, 221));
jLabel2.setText("Date:");

dateLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
dateLbl.setForeground(new java.awt.Color(0, 118, 221));
dateLbl.setText("dd-mm-yyyy");

nameLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
nameLbl.setForeground(new java.awt.Color(0, 118, 221));
nameLbl.setText("Name");

nameTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
nameTxt.setForeground(new java.awt.Color(0, 118, 221));
nameTxt.setMinimumSize(new java.awt.Dimension(130, 25));
nameTxt.setPreferredSize(new java.awt.Dimension(130, 25));

numberLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
numberLbl.setForeground(new java.awt.Color(0, 118, 221));
numberLbl.setText("Mobile Number");

numberTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
numberTxt.setForeground(new java.awt.Color(0, 118, 221));
numberTxt.setMinimumSize(new java.awt.Dimension(64, 25));
numberTxt.setPreferredSize(new java.awt.Dimension(64, 25));

emailTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
emailTxt.setForeground(new java.awt.Color(0, 118, 221));
emailTxt.setPreferredSize(new java.awt.Dimension(64, 25));

emailLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
emailLbl.setForeground(new java.awt.Color(0, 118, 221));
emailLbl.setText("Email");

amountLbl.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
amountLbl.setForeground(new java.awt.Color(0, 118, 221));
amountLbl.setText("Monthly Fee (Rs)");

amountTxt.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
amountTxt.setForeground(new java.awt.Color(0, 118, 221));
amountTxt.setPreferredSize(new java.awt.Dimension(64, 25));

clearBtn.setBackground(new java.awt.Color(0, 118, 221));
clearBtn.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
clearBtn.setForeground(new java.awt.Color(255, 255, 255));
clearBtn.setText("Clear");
clearBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        clearBtnActionPerformed(evt);
    }
});

saveBtn.setBackground(new java.awt.Color(0, 118, 221));
saveBtn.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
saveBtn.setForeground(new java.awt.Color(255, 255, 255));
saveBtn.setText("Pay");
saveBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        saveBtnActionPerformed(evt);
    }
});

paymentTbl.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
```

```java
                },
                new String [] {
                    "Month", "Amount"
                }
        ));
        jScrollPane1.setViewportView(paymentTbl);

        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(14, 14, 14)
                .addComponent(closeBtn)
                .addGap(269, 269, 269)
                .addComponent(mainLbl)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addGap(0, 43, Short.MAX_VALUE)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jLabel2)
                        .addGap(18, 18, 18)
                        .addComponent(dateLbl))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(idLbl)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(idTxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(searchBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(emailLbl)
                            .addComponent(amountLbl)
                            .addComponent(nameLbl))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(nameTxt, javax.swing.GroupLayout.PREFERRED_SIZE, 147,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(amountTxt, javax.swing.GroupLayout.PREFERRED_SIZE, 148,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(emailTxt, javax.swing.GroupLayout.PREFERRED_SIZE, 148,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(clearBtn)
                        .addGap(76, 76, 76)
                        .addComponent(saveBtn))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(numberLbl)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(numberTxt, javax.swing.GroupLayout.PREFERRED_SIZE, 147,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGap(18, 18, 18)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(30, 30, 30))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(mainLbl)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(10, 10, 10)
                        .addComponent(closeBtn)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 58, Short.MAX_VALUE)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(searchBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                .addComponent(idLbl)
```

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                                    .addComponent(idTxt, 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(jLabel2)
                                    .addComponent(dateLbl))
                                .addGap(36, 36, 36)
                                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                    .addComponent(nameTxt, javax.swing.GroupLayout.PREFERRED_SIZE, 28,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addComponent(nameLbl))
                                .addGap(19, 19, 19)
                                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                    .addComponent(numberTxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addComponent(numberLbl))
                                .addGap(18, 18, 18)
                                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                    .addComponent(emailLbl)
                                    .addComponent(emailTxt, 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(amountLbl)
                                    .addComponent(amountTxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                    .addComponent(clearBtn)
                                    .addComponent(saveBtn)))
                            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 340,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(136, 136, 136))
        );

        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 closeBtnActionPerformed(java.awt.event.ActionEvent evt) {
        setVisible(false);
        new Home().setVisible(true);
    }

    private void clearBtnActionPerformed(java.awt.event.ActionEvent evt) {
        int a = JOptionPane.showConfirmDialog(null, "Clear all?", "Select", JOptionPane.YES_NO_OPTION);
        if (a == 0) {
            setVisible(false);
            new Payment().setVisible(true);
        }
    }

    private void searchBtnActionPerformed(java.awt.event.ActionEvent evt) {
        tableDetails();
        int checkid = 0;
        String id = idTxt.getText();
        String month = dateLbl.getText();
        try {
            Connection con = NewMember.getCon();
            Statement st = con.createStatement();
            ResultSet rs = st.executeQuery("select *from newMember where id = '" + id + "'");
            while (rs.next()) {
                checkid = 1;
                idTxt.setEditable(false);
                nameTxt.setText(rs.getString(2));
                numberTxt.setText(rs.getString(7));
```

```java
                    emailTxt.setText(rs.getString(8));
                    amountTxt.setText(rs.getString(11));
                }
                if (checkid == 0) {
                    JOptionPane.showMessageDialog(null, "Member id does not exist!");
                }
                ResultSet rs1 = st.executeQuery("select *from Payment inner join newMember where Payment.month = '" + month +
"' and Payment.id = '" + id + "' and newMember.id = '" + id + "'");
                while (rs1.next()) {
                    saveBtn.setVisible(false);
                    JOptionPane.showMessageDialog(null, "Monthly Fee is already paid for this month");
                }
            } catch (Exception e) {
                JOptionPane.showMessageDialog(null, e);
            }
        }
    }

    private void saveBtnActionPerformed(java.awt.event.ActionEvent evt) {
        int a = JOptionPane.showConfirmDialog(null, "Pay Amount?", "Select", JOptionPane.YES_NO_OPTION);
        if (a == 0) {
            String id = idTxt.getText();
            String month = dateLbl.getText();
            String amount = amountTxt.getText();
            try {
                Connection con = NewMember.getCon();
                PreparedStatement ps = con.prepareStatement("insert into Payment values(?,?,?)");
                ps.setString(1, id);
                ps.setString(2, month);
                ps.setString(3, amount);
                ps.executeUpdate();
                tableDetails();
                JOptionPane.showMessageDialog(null, "Successfully Paid.");
                setVisible(false);
                new Payment().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(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.JLabel amountLbl;
    private javax.swing.JTextField amountTxt;
    private javax.swing.JButton clearBtn;
```

```java
    private javax.swing.JButton closeBtn;
    private javax.swing.JLabel dateLbl;
    private javax.swing.JLabel emailLbl;
    private javax.swing.JTextField emailTxt;
    private javax.swing.JLabel idLbl;
    private javax.swing.JTextField idTxt;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JLabel mainLbl;
    private javax.swing.JLabel nameLbl;
    private javax.swing.JTextField nameTxt;
    private javax.swing.JLabel numberLbl;
    private javax.swing.JTextField numberTxt;
    private javax.swing.JTable paymentTbl;
    private javax.swing.JButton saveBtn;
    private javax.swing.JButton searchBtn;
    // End of variables declaration
}
```

6. Interfaces:

7. Conclusion:

The Gym Management System project has developed a comprehensive software solution for efficient gym and fitness center management. By implementing key Object-Oriented Programming (OOP) concepts, the project ensures a modular and maintainable design. The system simplifies member management, facilitates billing and payments, provides valuable reporting and analytics. With future recommendations such as biometric authentication and mobile application development, the system can continue to evolve and meet the changing needs of the fitness industry. Overall, the project successfully achieves its objective of optimizing gym operations and enhancing member experience.