

**LATTHE EDUCATION SOCIETY'S POLYTECHNIC,
SANGLI**



DEPARTMENT OF COMPUTER

ENGINEERING MICRO PROJECT REPORT

SUBJECT: Advance Java Programming(AJP).

TITLE: Simple Gym Management System Using Java.

SUBMITTED BY:

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RATIONALE

A Gym Management System (GMS) serves as a pivotal tool for fitness facilities, streamlining operations and enhancing the overall experience for both members and staff. The system features a robust member management module, maintaining detailed profiles and attendance records, ensuring accuracy and efficiency in member tracking. Automated billing processes, a hallmark of GMS, facilitate seamless fee collection, while integrated payment gateways simplify financial transactions.

Class and schedule management functionalities enable facility managers to organize and communicate class schedules effortlessly, allowing members to easily sign up and instructors to manage their schedules efficiently. The equipment management component ensures the upkeep of gym inventory, scheduling maintenance, and enabling members to reserve equipment in advance. Communication is optimized through automated member notifications, keeping members informed about renewals, classes, and promotions.

Reports and analytics provide valuable insights into key performance metrics, aiding decision-making and strategic planning. Security measures, including role-based access control and possibly biometric scans, enhance the overall safety of the facility. Integration with wearable and fitness apps offers members a comprehensive view of their fitness journey by syncing data seamlessly.

BENEFITS OF MICRO PROJECT

1. GMS provides a centralized platform to manage member data, including personal details, membership status, and attendance records.
2. This project can help manager to manage all customer and trainer data .
3. we can add customer and trainer, delete trainer, displaying information
4. Allows members to sync data from wearable's or fitness apps, offering a comprehensive view of their fitness journey and progress.

COURSE OUTCOMES ACHIEVED

1. Select suitable software process model for software development.
2. Prepare software requirement specification.
3. Use software modeling to create data design.
4. Estimate size and cost of software product.
5. Apply project management and quality assurance principles in software development.

ACTUAL METHODOLOGY FOLLOWED

We have created the Gym Management System by following steps some of the steps are as follows:

1. We have designed the user interface of Gym Management System by using various Java swing components like Buttons, Labels, Textboxes, Combo Boxes, etc.
2. Then we used CSS for adding better look and feel to the webpages.
3. Then we have designed the Various Windows for Gym Management System project such as Login page, main page etc.
4. After that, we have developed the program logic by writing the necessary code to perform calculations and store data in database.
5. Then we have tested the program by executing all the possible scenarios and make sure it work properly and there is no error

SOURCE CODE

- Login Page

```
package gym_management_system;
import java.awt.*;
import javax.swing.*;
import java.awt.event.*;
public class login_page extends MouseAdapter implements ActionListener
{
    JFrame f1;
    //Frame 1 { Login page } component
    JTextField usertext;
    JPasswordField passtext;
    JButton submit,cancel;
    JLabel welcome,username,password,lock1;
    GridBagConstraints gck=new GridBagConstraints();
    GridBagLayout gb=new GridBagLayout();
    public login_page()
    {
        f1=new JFrame();
        f1.setVisible(true);
        f1.setSize(800,500);
        f1.setLayout(gb);
        f1.setTitle("Login Page");
        f1.setLocation(297, 300);
        //f1.setResizable(false);
        f1.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        f1.setLocationRelativeTo(null);
        welcome=new JLabel("Welcome to Fitness Point");
        welcome.setForeground(Color.RED);
        welcome.setFont(new Font("Arial", Font.BOLD, 16));
        gck.gridx=0;
        gck.gridy=0;
        gck.ipadx=10;
        gck.ipady=10;
        gck.gridwidth=3;
        gb.setConstraints(welcome,gck);
        f1.add(welcome);
        ImageIcon lock=new ImageIcon("G:\\vedant\\5th semester\\Advanced Java
Programming\\eclipse java
code\\gym_management_system\\src\\gym_management_system\\lock.jpg");
        lock1=new JLabel(lock);
        gck.gridx=3;
        gck.gridy=0;
        gck.gridheight=3;
        gb.setConstraints(lock1,gck);
        f1.add(lock1);
        gck.gridheight=1;
```

```

username=new JLabel("Username");
    username.setForeground(Color.BLUE);
    username.setFont(new Font("Times New Roman", Font.PLAIN, 14));
    gck.gridx=0;
    gck.gridy=1;
    gck.gridwidth=1;
    gb.setConstraints(username,gck);
    f1.add(username);
    usertext=new JTextField(10);
    gck.gridx=1;
    gck.gridy=1;
    gck.gridwidth=1;
    gb.setConstraints(usertext,gck);
    f1.add(usertext);
password=new JLabel("Password");
    password.setFont(new Font("Times New Roman", Font.PLAIN, 14));
    password.setForeground(Color.BLUE);
    gck.gridx=0;
    gck.gridy=2;
    gck.gridwidth=1;
    gb.setConstraints(password,gck);
    f1.add(password);
passtext=new JPasswordField(10);
    gck.gridx=1;
    gck.gridy=2;
    gck.gridwidth=1;
    gb.setConstraints(passtext,gck);
    f1.add(passtext);
submit=new JButton("Submit");
    submit.addActionListener(this);
    submit.setBackground(Color.BLACK);
    submit.setForeground(Color.WHITE);
    submit.setFont(new Font("Times New Roman", Font.PLAIN, 14));
    gck.gridx=0;
    gck.gridy=3;
    gck.gridwidth=1;
    gb.setConstraints(submit,gck);
    f1.add(submit);
cancle=new JButton("Cancle");
    cancle.addActionListener(this);
    cancle.setFont(new Font("Times New Roman", Font.PLAIN, 14));
    cancle.setBackground(Color.BLACK);
    cancle.setForeground(Color.WHITE);
    gck.gridx=1;
    gck.gridy=3;
    gck.gridwidth=1;
    gb.setConstraints(cancle,gck);
    f1.add(cancle);
}
public void actionPerformed(ActionEvent e)

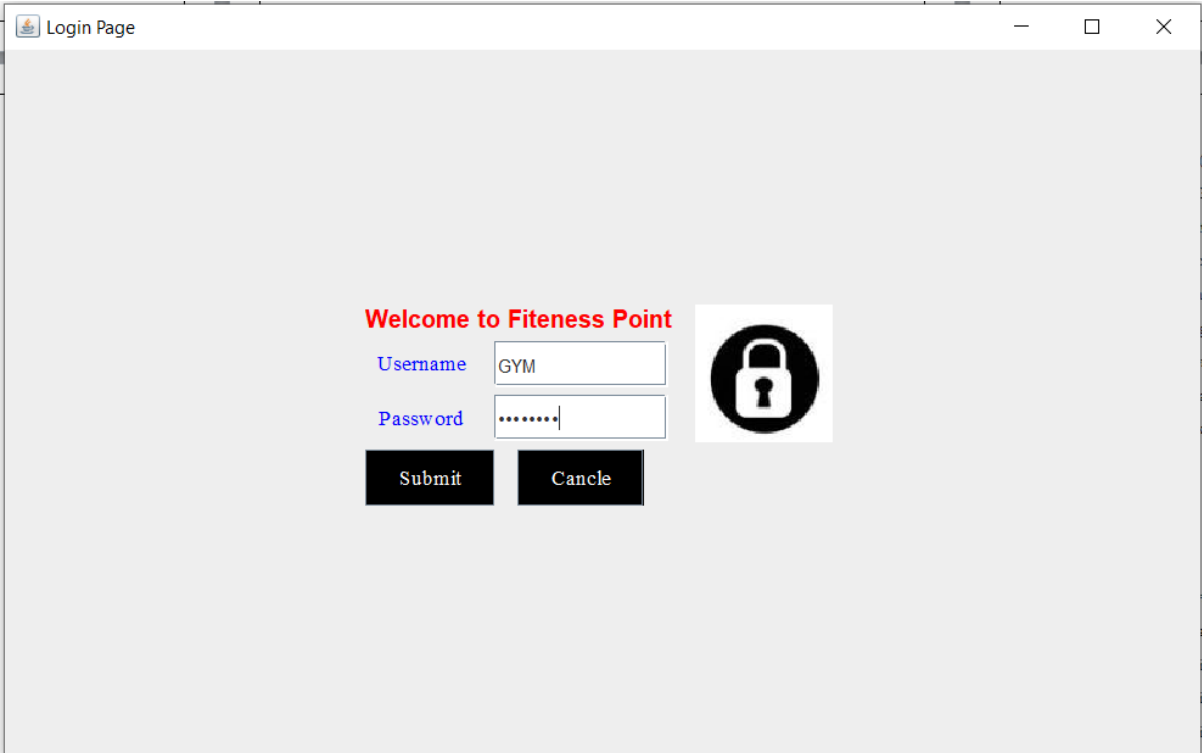
```

```

{
    String msg=e.getActionCommand();
    if(msg.equals("Submit"))
    {
        String un=usertext.getText();
        String ps=passtext.getText();
        if(un.equals("a") && ps.equals("b"))
        {
            new home_page();
            usertext.setText("");
            passtext.setText("");
        }
        else
        {
            JOptionPane.showMessageDialog(f1,"Plz enter valid username
and password","Alert",JOptionPane.INFORMATION_MESSAGE);
        }
    }
    if(msg.equals("Cancle"))
    {
        f1.dispose();
    }
}
public static void main(String[] args)
{
    new login_page();
}
}

```

Output of Login Page:



The screenshot shows a window titled "Login Page" with a light gray background. In the center, the text "Welcome to Fitness Point" is displayed in red. Below this, there are two input fields: "Username" with the value "GYM" and "Password" with masked characters "*****". To the right of the password field is a circular icon containing a black padlock. At the bottom, there are two black buttons labeled "Submit" and "Cancel".

Welcome to Fitness Point

Username

Password

- **Home page**

```
package gym_management_system;
import java.awt.Font;
import java.awt.GridBagConstraints;
import java.awt.GridBagLayout;
import java.awt.Menu;
import java.awt.MenuBar;
import java.awt.MenuItem;
import javax.swing.ImageIcon;
import javax.swing.JFrame;
import javax.swing.JLabel;
import java.awt.event.*;
public class home_page implements ActionListener
{
    JFrame f2;
    JLabel bgimg;
    MenuBar m;
    Menu master, personal_info, update_info, fee_info, Print, exit;
    MenuItem add_trainer, add_customer;
    MenuItem trainer_info, customer_info;
    MenuItem trainer_update, customer_update;
    MenuItem trainer_fees, customer_fees;
    MenuItem print_c, print_t;
    MenuItem exitm;
    GridBagConstraints gck=new GridBagConstraints();
    GridBagLayout gb=new GridBagLayout();

    public home_page() {
        // TODO Auto-generated constructor stub
        f2=new JFrame();
        f2.setVisible(true);
        f2.setSize(2000,2000);
        f2.setLayout(gb);
        f2.setTitle("Gym Management System");
        f2.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        ImageIcon mainn=new ImageIcon("G:\\vedant\\5th semester\\Advanced
Java Programming\\eclipse java
code\\gym_management_system\\src\\gym_management_system\\main.jpg");
        bgimg=new JLabel(mainn);
        f2.getContentPane().add(bgimg);
        f2.setExtendedState(JFrame.MAXIMIZED_BOTH);
        m=new MenuBar();
        master=new Menu("Master");
        master.addSeparator();
        add_trainer =new MenuItem("ADD_Trainer");
        add_trainer.addActionListener(this);
        add_trainer.setFont(new Font("Times New Roman", Font.BOLD, 12));
        add_customer =new MenuItem("ADD_Customer");
        add_customer.addActionListener(this);
    }
}
```



```

        add_customer.setFont(new Font("Times New Roman", Font.BOLD, 12));
        master.add(add_customer);
        master.add(add_trainer);
        personal_info=new Menu("Personal Information");
        personal_info.addSeparator();
        personal_info.addActionListener(this);
        trainer_info=new MenuItem("Trainer Information");
        trainer_info.setFont(new Font("Times New Roman", Font.BOLD, 12));
        customer_info=new MenuItem("Customer Information");
        customer_info.setFont(new Font("Times New Roman", Font.BOLD, 12));
personal_info.add(customer_info);
        personal_info.add(trainer_info);
        update_info=new Menu("Update Information");
        update_info.addSeparator();
        trainer_update=new MenuItem("Trainer Update");
        trainer_update.addActionListener(this);
        trainer_update.setFont(new Font("Times New Roman", Font.BOLD, 12));
        customer_update=new MenuItem("Customer Update");
        customer_update.setFont(new Font("Times New Roman", Font.BOLD, 12));
        customer_update.addActionListener(this);
        update_info.add(customer_update);
        update_info.add(trainer_update);
        fee_info=new Menu("Fee Information");
        fee_info.addSeparator();
trainer_fees=new MenuItem("Trainer Fees");
        trainer_fees.setFont(new Font("Times New Roman", Font.BOLD, 12));
        trainer_fees.addActionListener(this);
        customer_fees=new MenuItem("Customer Fees");
        customer_fees.setFont(new Font("Times New Roman", Font.BOLD, 12));
        customer_fees.addActionListener(this);
        fee_info.add(customer_fees);
        fee_info.add(trainer_fees);
        Print=new Menu("Print");
        print_c=new MenuItem("Customer reciept");
        print_c.setFont(new Font("Times New Roman", Font.BOLD, 12));
        print_c.addActionListener(this);
        Print.add(print_c);
        print_t=new MenuItem("Trainer reciept");
        print_t.setFont(new Font("Times New Roman", Font.BOLD, 12));
        print_t.addActionListener(this);
        Print.add(print_t);
        exit=new Menu("EXIT");
        exitm=new MenuItem("EXIT");
        exitm.addActionListener(this);
        exitm.setFont(new Font("Times New Roman", Font.BOLD, 12));
        exit.add(exitm);
        m.add(master);
        m.add(personal_info);
        m.add(update_info);
        m.add(fee_info);

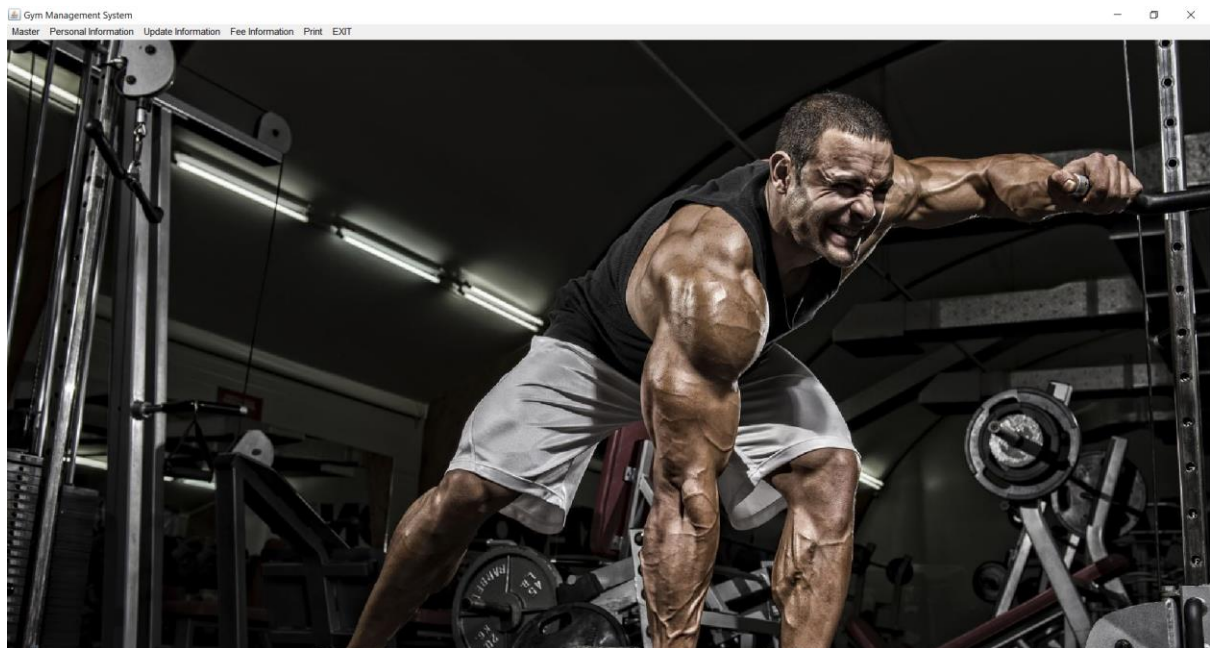
```

```

        m.add(Print);
        m.add(exit);
        f2.setMenuBar(m);
    }
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        new home_page();
    }
    @Override
    public void actionPerformed(ActionEvent e) {
        // TODO Auto-generated method stub
        String msg=e.getActionCommand();
        if(msg.equals("ADD_Customer"))
        {
            new Add_customer();
        }
        if(msg.equals("ADD_Trainer"))
        {
            new Add_trainer();
        }
        if(msg.equals("Customer Information"))
        {
            new Customer_information();
        }
        if(msg.equals("Trainer Information"))
        {
            new Trainer_information();
        }
        if(msg.equals("Customer Update"))
        {
            new Update_customer();
        }
        if(msg.equals("Trainer Update"))
        {
            new Update_trainer();
        }
        if(msg.equals("Customer Fees"))
        {
            new Customer_fees();
        }
        if(msg.equals("Trainer Fees"))
        {
            new Trainer_fees();
        }
        if(msg.equals("EXIT"))
        {
            f2.dispose();
        }
        if(msg.equals("Customer reciept"))
        {
            new customer_search().setVisible(true);
        }
        if(msg.equals("Trainer reciept"))
        {
            new trainer_search().setVisible(true);
        }
    }
}

```

Output of Home Page:



- **Add Customer**

```
package gym_management_system;
import java.awt.Choice;
import java.sql.*;
import java.util.regex.Pattern;
import java.awt.Color;
import java.awt.Font;
import java.awt.GridBagConstraints;
import java.awt.GridBagLayout;
import java.awt.Insets;
import javax.swing.ImageIcon;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JTextField;
import javax.swing.*;
import java.awt.event.*;

public class Add_customer implements ActionListener{
    JFrame f3;
    JLabel
    c_welcome,c_name,c_fathername,c_email,c_addres,c_contact,c_receipt_no,c_payme
    nt_plan,c_gender,c_height,c_weight,c_remark,c_member_category,c_trainer_name,c
    _img;
    JTextField
    c_name_t,c_fathername_t,c_email_t,c_address_t,c_contact_t,c_receipt_no_t,c_payme
    nt_plan_t,c_height_t,c_weight_t,c_remark_t;
    JButton c_submit,c_candle;
    Choice c_gender_l,c_member_category_t,c_trainer_name_t;
    GridBagConstraints gck=new GridBagConstraints();
    GridBagLayout gb=new GridBagLayout();
    public Add_customer() {
        // TODO Auto-generated constructor stub
        f3=new JFrame();
        f3.setVisible(true);
        f3.setSize(800,900);
        f3.setLayout(gb);
        f3.setBackground(Color.BLUE);
        f3.setTitle("ADD CUSTOMER");
        f3.setLocationRelativeTo(null);
        c_welcome=new JLabel("Welcome Future BodyBuilder");
        c_welcome.setForeground(Color.orange);
        c_welcome.setFont(new Font("Arial", Font.BOLD, 20));
        gck.gridx=0;
        gck.gridy=0;
        gck.gridwidth=3;
        gb.setConstraints(c_welcome,gck);
        f3.add(c_welcome);
```

```

        ImageIcon imgf3=new ImageIcon("G:\\vedant\\5th semester\\Advanced Java
Programming\\eclipse java
code\\gym_management_system\\src\\gym_management_system\\customer.jpg");
        c_img=new JLabel(imgf3);
            gck.gridx=0;
            gck.gridy=1;
        gck.gridwidth=1;
            gck.gridheight=13;
            gb.setConstraints(c_img,gck);
            f3.add(c_img);
            gck.gridheight=1;
            c_name=new JLabel("Name");
            c_name.setFont(new Font("Times New Roman", Font.PLAIN, 14));
            c_name.setForeground(Color.BLUE);
            gck.gridx=1;
            gck.gridy=1;
            gck.ipadx=10;
        gck.ipady=10;
            gck.gridwidth=1;
            gck.insets=new Insets(10,10,10,10);
        gb.setConstraints(c_name,gck);
            f3.add(c_name);
            c_name_t=new JTextField(20);
            c_name_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
            gck.gridx=2;
            gck.gridy=1;
            gck.ipadx=10;
        gck.ipady=10;
            gck.insets=new Insets(10,10,10,10);
            gck.gridwidth=1;
        gb.setConstraints(c_name_t,gck);
            f3.add(c_name_t);
            c_fathername=new JLabel("Father's Name");
            c_fathername.setFont(new Font("Times New Roman", Font.PLAIN, 14));
            c_fathername.setForeground(Color.BLUE);
            gck.gridx=1;
            gck.gridy=2;
            gck.ipadx=10;
        gck.ipady=10;
            gck.gridwidth=1;
        gb.setConstraints(c_fathername,gck);
            f3.add(c_fathername);
            c_fathername_t=new JTextField(20);
            c_fathername_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
            gck.gridx=2;
            gck.gridy=2;
            gck.gridwidth=1;
        gb.setConstraints(c_fathername_t,gck);
            f3.add(c_fathername_t);
            c_email=new JLabel("Email");

```

```

        c_email.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        c_email.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=3;
        gck.gridwidth=1;
        gb.setConstraints(c_email,gck);
        f3.add(c_email);
        c_email_t=new JTextField(20);
        c_email_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=3;
        gck.gridwidth=1;
        gb.setConstraints(c_email_t,gck);
        f3.add(c_email_t);
        c_email_t.addMouseListener(new MouseAdapter() {
            public void mouseExited(MouseEvent e)
            {
                String email=c_email_t.getText();
                String email_reg="^[a-zA-Z0-9_+&*-]+(?:\\.|\\\"a-zA-Z0-9_+&*-]+)*@\\\"(?:[a-zA-Z0-9-]+\\.|) [a-zA-Z]{2,7}$";
                if(email.matches(email_reg)==false)
                {
                    JOptionPane.showMessageDialog(null, "Enter valid
Email ID");
                }
            }
        });

        c_addres=new JLabel("Address");
        c_addres.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        c_addres.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=4;
        gck.gridwidth=1;
        gb.setConstraints(c_addres,gck);
        f3.add(c_addres);
        c_address_t=new JTextField(20);
        c_address_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=4;
        gck.gridwidth=1;
        gb.setConstraints(c_address_t,gck);
        f3.add(c_address_t);
        c_contact=new JLabel("Contact no.");
        c_contact.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        c_contact.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=5;
        gck.gridwidth=1;
        gb.setConstraints(c_contact,gck);
        f3.add(c_contact);

```

```

c_contact_t=new JTextField(20);

c_contact_t.addMouseListener(new MouseAdapter() {
    public void mouseExited(MouseEvent e)
    {
        String contact=c_contact_t.getText();
        String contact_reg="\\d{10}";
        if(contact.matches(contact_reg)==false)
        {
            JOptionPane.showMessageDialog(null, "Enter valid
contact number");

        }
    }
});
c_contact_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
gck.gridx=2;
gck.gridy=5;
gck.gridwidth=1;
gb.setConstraints(c_contact_t,gck);
f3.add(c_contact_t);
c_receipt_no=new JLabel("Receipt_no");
c_receipt_no.setFont(new Font("Times New Roman", Font.PLAIN, 14));
c_receipt_no.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=6;
gck.gridwidth=1;
gb.setConstraints(c_receipt_no,gck);
f3.add(c_receipt_no);
c_receipt_no_t=new JTextField(20);
c_receipt_no_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
gck.gridx=2;
gck.gridy=6;
gck.gridwidth=1;
gb.setConstraints(c_receipt_no_t,gck);
f3.add(c_receipt_no_t);
c_receipt_no_t.addMouseListener(new MouseAdapter() {
    public void mouseExited(MouseEvent e)
    {
        int id=Integer.parseInt(c_receipt_no_t.getText());
        Connectionclass ob=new Connectionclass();
        String q="select Cutomer_id from add_customer where
Cutomer_id='"+id+"'";
        ResultSet res;
        try {
            ob.stm.executeQuery(q);
        }
        {
            res =
            while(res.next())
            if(res.getInt(1)==id)
            {

```

```

JOptionPane.showMessageDialog(null,
"Selecet another receipt id(already exists)");
}}

        } catch (SQLException e1) {
            // TODO Auto-generated catch block
            e1.printStackTrace();
        }
    });
    c_payment_plan=new JLabel("Payment Plan (Month)");
    c_payment_plan.setFont(new Font("Times New Roman", Font.PLAIN, 14));
    c_payment_plan.setForeground(Color.BLUE);
    gck.gridx=1;
    gck.gridy=7;
    gck.gridwidth=1;
    gb.setConstraints(c_payment_plan,gck);
    f3.add(c_payment_plan);
    c_payment_plan_t=new JTextField(20);
    c_payment_plan_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
    gck.gridx=2;
    gck.gridy=7;
    gck.gridwidth=1;
    gb.setConstraints(c_payment_plan_t,gck);
    f3.add(c_payment_plan_t);
    c_gender=new JLabel("Gender");
    c_gender.setFont(new Font("Times New Roman", Font.PLAIN, 14));
    c_gender.setForeground(Color.BLUE);
    gck.gridx=1;
    gck.gridy=8;
    gck.gridwidth=1;
    gb.setConstraints(c_gender,gck);
    f3.add(c_gender);
    gck.fill=0;
    c_gender_l=new Choice();
    c_gender_l.add("Male");
    c_gender_l.add("Female");
    c_gender_l.setFont(new Font("Times New Roman", Font.PLAIN, 14));
    gck.gridx=2;
    gck.gridy=8;
    gck.gridwidth=1;
    gck.fill=GridBagConstraints.HORIZONTAL;
    gb.setConstraints(c_gender_l,gck);
    f3.add(c_gender_l);
    gck.fill=0;
    c_height=new JLabel("Height");
    c_height.setFont(new Font("Times New Roman", Font.PLAIN, 14));
    c_height.setForeground(Color.BLUE);
    gck.gridx=1;
    gck.gridy=9;
    gck.gridwidth=1;
    gb.setConstraints(c_height,gck);
    f3.add(c_height);

```



```

        c_height_t=new JTextField(20);
        c_height_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=9;
        gck.gridwidth=1;
        gb.setConstraints(c_height_t,gck);
        f3.add(c_height_t);
        c_weight=new JLabel("Weight");
        c_weight.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        c_weight.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=10;
        gck.gridwidth=1;
        gb.setConstraints(c_weight,gck);
        f3.add(c_weight);
        c_weight_t=new JTextField(20);
        c_weight_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=10;
        gck.gridwidth=1;
        gb.setConstraints(c_weight_t,gck);
        f3.add(c_weight_t);

        c_remark=new JLabel("Remark");
        c_remark.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        c_remark.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=11;
        gck.gridwidth=1;
        gb.setConstraints(c_remark,gck);
        f3.add(c_remark);

        c_remark_t=new JTextField(20);
        c_remark_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=11;
        gck.gridwidth=1;
        gb.setConstraints(c_remark_t,gck);
        f3.add(c_remark_t);

        c_member_category=new JLabel("Membership Category");
        c_member_category.setFont(new Font("Times New Roman", Font.PLAIN,
14));
        c_member_category.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=12;
        gck.gridwidth=1;

        gb.setConstraints(c_member_category,gck);

```

```

        f3.add(c_member_category);

        c_member_category_t=new Choice();
        c_member_category_t.add("Public");
        c_member_category_t.add("Private");
        c_member_category_t.setFont(new Font("Times New Roman", Font.PLAIN,
14));
        gck.gridx=2;
        gck.gridy=12;
        gck.gridwidth=1;
        gck.gridheight=1;
        gck.fill=GridBagConstraints.HORIZONTAL;

        gb.setConstraints(c_member_category_t,gck);
        f3.add(c_member_category_t);

        c_trainer_name=new JLabel("Trainer name");
        c_trainer_name.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        c_trainer_name.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=13;
        gck.gridwidth=1;
        gb.setConstraints(c_trainer_name,gck);
        f3.add(c_trainer_name);

        c_trainer_name_t=new Choice();
        try
        {
            Connectionclass obj3=new Connectionclass();
            String q3="select Name from add_trainer";
            ResultSet rest3=obj3.stm.executeQuery(q3);
            while(rest3.next())
            {
                c_trainer_name_t.add(rest3.getString("Name"));
            }
        }
        catch(Exception ee)
        {
            ee.printStackTrace();
        }

        c_trainer_name_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=13;
        gck.gridwidth=1;
        gb.setConstraints(c_trainer_name_t,gck);
        f3.add(c_trainer_name_t);

        c_submit=new JButton("Submit");
        c_submit.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        c_submit.addActionListener(this);

```

```

        gck.gridx=1;
        gck.gridy=14;
        gck.gridwidth=1;
        gck.fill=GridBagConstraints.HORIZONTAL;
        gb.setConstraints(c_submit,gck);
        f3.add(c_submit);

        c_cancel=new JButton("Cancel");
        c_cancel.setFont(new Font("Times New Roman", Font.PLAIN, 14));

        c_cancel.addMouseListener(new MouseAdapter(){
            public void mouseClicked(MouseEvent e)
            {
                f3.dispose();
            }
        });
        gck.gridx=2;
        gck.gridy=14;
        gck.gridwidth=1;
        gck.insets=new Insets(10,20,10,20);
        gb.setConstraints(c_cancel,gck);
        f3.add(c_cancel);
    }
    public static void main(String args[])
    {
        new Add_customer();
    }
    @Override
    public void actionPerformed(ActionEvent e) {
        // TODO Auto-generated method stub
        //String msg=e.getActionCommand();
        if(e.getSource()==c_submit)
        {

            String name=c_name_t.getText();
            String fname=c_fathename_t.getText();
            String email=c_email_t.getText();
            String address=c_address_t.getText();
            String contact=c_contact_t.getText();

            String receipt=c_receipt_no_t.getText();
            String pay=c_payment_plan_t.getText();
            String gender=c_gender_l.getSelectedItem();
            Float height=Float.parseFloat(c_height_t.getText());
            int weight=Integer.parseInt(c_weight_t.getText());
            String remark=c_remark_t.getText();
            String member_cat=c_member_category_t.getSelectedItem();
            String trainer_name=c_trainer_name_t.getSelectedItem();

```

```

        try
        {
            Connectionclass con=new Connectionclass();

            String sql="insert into add_customer
values(""+receipt+"",""+name+"",""+fname+"",""
            +
            """+email+"",""+address+"",""+contact+"",""+receipt+"",""+pay+"",""+gender+"",""
            +
            """+height+"",""+weight+"",""+remark+"",""+member_cat+"",""+trainer_name+"");
            con.stm.executeUpdate(sql);
            JOptionPane.showMessageDialog(null, "Data inserted.....");
            f3.dispose();


        }
        catch(Exception e1)
        {
            JOptionPane.showMessageDialog(null, "Check all data filled
or not");

            System.out.println(e1);

        }
    }
}

```

Output of Add Customer:



ADD CUSTOMER

Welcome Future BodyBuilder

Name

vedant

Father's Name

satish

Email

vedantjadhav@gmail.com

Address

kupwad

Contact no.

886250980

Receipt_no

101

Payment Plan (Month)

9

Gender

Male

Height

5.9

Weight

90

Remark

no

Membership Category

Private


Trainer name

aniket

Submit

Cancle

Message



Data inserted.....

OK

- **Add Trainer**

```
package gym_management_system;
```

```
import java.awt.Choice;  
import java.awt.Color;  
import java.awt.Font;  
import java.awt.GridBagConstraints;  
import java.awt.GridBagLayout;  
import java.awt.Insets;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.awt.event.MouseAdapter;  
import java.awt.event.MouseEvent;  
import java.sql.ResultSet;  
import java.sql.SQLException;
```

```
import javax.swing.ImageIcon;  
import javax.swing.JButton;  
import javax.swing.JFrame;  
import javax.swing.JLabel;  
import javax.swing.JOptionPane;  
import javax.swing.JTextField;
```

```
public class Add_trainer implements ActionListener {  
    JFrame f4;  
    JLabel  
        t_welcome,t_name,t_fathername,t_email,t_addres,t_contact,t_receipt_no,t_payment_  
        plan,  
        t_gender,t_height,t_weight,t_remark,t_member_category,t_img;  
    JTextField  
        t_name_t,t_fathername_t,t_email_t,t_address_t,t_contact_t,t_receipt_no_t,t_payment_  
        plan_t,  
        t_height_t,t_weight_t,t_remark_t;  
    JButton t_submit,t_candle;  
    Choice t_gender_l,t_member_category_t;  
    GridBagConstraints gck=new GridBagConstraints();  
    GridBagLayout gb=new GridBagLayout();
```

```
    public Add_trainer() {  
        // TODO Auto-generated constructor stub  
        f4=new JFrame();  
        f4.setVisible(true);  
        f4.setSize(800,900);  
        f4.setLayout(gb);  
        f4.setBackground(Color.BLUE);  
        f4.setTitle("ADD Trainer");  
        f4.setLocationRelativeTo(null);
```

```

t_welcome=new JLabel("Welcome Trainer");

t_welcome.setForeground(Color.orange);
t_welcome.setFont(new Font("Arial", Font.BOLD, 20));
gck.gridx=0;
gck.gridy=0;

gck.gridwidth=3;
gb.setConstraints(t_welcome,gck);
f4.add(t_welcome);

ImageIcon imgf3=new ImageIcon("G:\\vedant\\5th semester\\Advanced Java
Programming\\eclipse java
code\\gym_management_system\\src\\gym_management_system\\customer.jpg");
t_img=new JLabel(imgf3);
//c_img.setForeground(Color.green);
gck.gridx=0;
gck.gridy=1;
gck.gridwidth=1;
gck.gridheight=13;
gb.setConstraints(t_img,gck);
f4.add(t_img);
gck.gridheight=1;

t_name=new JLabel("Name");
t_name.setFont(new Font("Times New Roman", Font.PLAIN, 14));
t_name.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=1;
gck.ipadx=10;
gck.ipady=10;
gck.gridwidth=1;
gck.insets=new Insets(10,10,10,10);
gb.setConstraints(t_name,gck);
f4.add(t_name);

t_name_t=new JTextField(20);
t_name_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
gck.gridx=2;
gck.gridy=1;
gck.ipadx=10;
gck.ipady=10;
gck.insets=new Insets(10,10,10,10);
gck.gridwidth=1;
gb.setConstraints(t_name_t,gck);
f4.add(t_name_t);

```

```

        t_fathername=new JLabel("Father's Name");
        t_fathername.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        t_fathername.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=2;
        gck.ipadx=10;
        gck.ipady=10;
        gck.gridwidth=1;
        gb.setConstraints(t_fathername,gck);
        f4.add(t_fathername);

        t_fathername_t=new JTextField(20);
        t_fathername_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=2;
        gck.gridwidth=1;
        gb.setConstraints(t_fathername_t,gck);
        f4.add(t_fathername_t);

        t_email=new JLabel("Email");
        t_email.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        t_email.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=3;
        gck.gridwidth=1;
        gb.setConstraints(t_email,gck);
        f4.add(t_email);

        t_email_t=new JTextField(20);
        t_email_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=3;
        gck.gridwidth=1;
        gb.setConstraints(t_email_t,gck);
        f4.add(t_email_t);
        t_email_t.addMouseListener(new MouseAdapter() {
            public void mouseExited(MouseEvent e)
            {
                String email=t_email_t.getText();
                String email_reg="^[a-zA-Z0-9_+&*-.]+(?:\\.|"+a-zA-Z0-9_+&*-.]+)*@"+(?:[a-zA-Z0-9-]+\\.)+[a-zA-Z]{2,7}$";
                if(email.matches(email_reg)==false)
                {
                    JOptionPane.showMessageDialog(null, "Enter valid
Email ID");
                }
            }
        });

```



```

t_addres=new JLabel("Address");
t_addres.setFont(new Font("Times New Roman", Font.PLAIN, 14));
t_addres.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=4;
gck.gridwidth=1;
gb.setConstraints(t_addres,gck);
f4.add(t_addres);

t_address_t=new JTextField(20);
t_address_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
gck.gridx=2;
gck.gridy=4;
gck.gridwidth=1;
gb.setConstraints(t_address_t,gck);
f4.add(t_address_t);

t_contact=new JLabel("Contact no.");
t_contact.setFont(new Font("Times New Roman", Font.PLAIN, 14));
t_contact.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=5;
gck.gridwidth=1;
gb.setConstraints(t_contact,gck);
f4.add(t_contact);

t_contact_t=new JTextField(20);
t_contact_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
gck.gridx=2;
gck.gridy=5;
gck.gridwidth=1;
gb.setConstraints(t_contact_t,gck);
f4.add(t_contact_t);
t_contact_t.addMouseListener(new MouseAdapter() {
    public void mouseExited(MouseEvent e)
    {
        String contact=t_contact_t.getText();
        String contact_reg="\\d{10}";
        if(contact.matches(contact_reg)==false)
        {
            JOptionPane.showMessageDialog(null, "Enter valid
contact number");
        }
    }
});

```

```

t_receipt_no=new JLabel("Receipt_no");
t_receipt_no.setFont(new Font("Times New Roman", Font.PLAIN, 14));
t_receipt_no.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=6;
gck.gridwidth=1;
gb.setConstraints(t_receipt_no,gck);
f4.add(t_receipt_no);

t_receipt_no_t=new JTextField(20);
t_receipt_no_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
gck.gridx=2;
gck.gridy=6;
gck.gridwidth=1;
gb.setConstraints(t_receipt_no_t,gck);
f4.add(t_receipt_no_t);
t_receipt_no_t.addMouseListener(new MouseAdapter() {

    public void mouseExited(MouseEvent e)
    {
        int id=1;
        id=Integer.parseInt(t_receipt_no_t.getText());
        Connectionclass ob=new Connectionclass();
        String q="select Trainer_id from add_trainer where
Trainer_id='"+id+"'";
        ResultSet res;
        try {
            res = ob.stm.executeQuery(q);
            while(res.next())
            {
                if(id==1)
                {
                    JOptionPane.showMessageDialog(null, "Enter
receipt id");

                    if(res.getInt(1)==id)
                    {
                        JOptionPane.showMessageDialog(null, "Select
another receipt id(already exists)");

                    }
                }
            }
        } catch (Exception e1) {
            // TODO Auto-generated catch block
            System.out.println(e1);
        }
    }
}

```

```

    }

});

t_payment_plan=new JLabel("Payment Plan (Month)");
t_payment_plan.setFont(new Font("Times New Roman", Font.PLAIN, 14));
t_payment_plan.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=7;
gck.gridwidth=1;
gb.setConstraints(t_payment_plan,gck);
f4.add(t_payment_plan);

t_payment_plan_t=new JTextField(20);
t_payment_plan_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
gck.gridx=2;
gck.gridy=7;
gck.gridwidth=1;
gb.setConstraints(t_payment_plan_t,gck);
f4.add(t_payment_plan_t);

t_gender=new JLabel("Gender");
t_gender.setFont(new Font("Times New Roman", Font.PLAIN, 14));
t_gender.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=8;
gck.gridwidth=1;
gb.setConstraints(t_gender,gck);
f4.add(t_gender);

t_gender_l=new Choice();
t_gender_l.add("Male");
t_gender_l.add("Female");
t_gender_l.setFont(new Font("Times New Roman", Font.PLAIN, 14));
gck.gridx=2;
gck.gridy=8;
gck.gridwidth=1;
gck.fill=GridBagConstraints.HORIZONTAL;
gb.setConstraints(t_gender_l,gck);
f4.add(t_gender_l);

gck.fill=0;

t_height=new JLabel("Height");
t_height.setFont(new Font("Times New Roman", Font.PLAIN, 14));
t_height.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=9;

```

```

        gck.gridwidth=1;
        gb.setConstraints(t_height,gck);
        f4.add(t_height);

        t_height_t=new JTextField(20);
        t_height_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=9;
        gck.gridwidth=1;
        gb.setConstraints(t_height_t,gck);
        f4.add(t_height_t);

        t_weight=new JLabel("Weight");
        t_weight.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        t_weight.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=10;
        gck.gridwidth=1;
        gb.setConstraints(t_weight,gck);
        f4.add(t_weight);

        t_weight_t=new JTextField(20);
        t_weight_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=10;
        gck.gridwidth=1;
        gb.setConstraints(t_weight_t,gck);
        f4.add(t_weight_t);

        t_remark=new JLabel("Remark");
        t_remark.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        t_remark.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=11;
        gck.gridwidth=1;
        gb.setConstraints(t_remark,gck);
        f4.add(t_remark);

        t_remark_t=new JTextField(20);
        t_remark_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=11;
        gck.gridwidth=1;
        gb.setConstraints(t_remark_t,gck);
        f4.add(t_remark_t);

        t_member_category=new JLabel("Membership Category");
        t_member_category.setFont(new Font("Times New Roman", Font.PLAIN,
14));

```

```

        t_member_category.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=12;
        gck.gridwidth=1;
        gb.setConstraints(t_member_category,gck);
        f4.add(t_member_category);

        t_member_category_t=new Choice();
        t_member_category_t.add("Public");
        t_member_category_t.add("Private");
        t_member_category_t.setFont(new Font("Times New Roman", Font.PLAIN,
14));
        gck.gridx=2;
        gck.gridy=12;
        gck.gridwidth=1;
        gck.gridheight=1;
        gck.fill=GridBagConstraints.HORIZONTAL;

        gb.setConstraints(t_member_category_t,gck);
        f4.add(t_member_category_t);


t_submit=new JButton("Submit");
        t_submit.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        t_submit.addActionListener(this);
        gck.gridx=1;
        gck.gridy=14;
        gck.gridwidth=1;
        gck.fill=GridBagConstraints.HORIZONTAL;
        gb.setConstraints(t_submit,gck);
        f4.add(t_submit);


        t_cancle=new JButton("Cancle");
        t_cancle.setFont(new Font("Times New Roman", Font.PLAIN, 14));

        t_cancle.addMouseListener(new MouseAdapter(){
            public void mouseClicked(MouseEvent e)
            {
                f4.dispose();
            }
        });
        gck.gridx=2;
        gck.gridy=14;
        gck.gridwidth=1;
        gck.insets=new Insets(10,40,10,40);
        gb.setConstraints(t_cancle,gck);
        f4.add(t_cancle);
    }

```

```

public static void main(String[] args) {
    // TODO Auto-generated method stub
    new Add_trainer();
}

@Override
public void actionPerformed(ActionEvent e) {
    // TODO Auto-generated method stub
    if(e.getSource()==t_submit)
    {
        String name=t_name_t.getText();
        String fname=t_fathename_t.getText();
        String email=t_email_t.getText();
        String address=t_address_t.getText();
        String contact=t_contact_t.getText();
        String receipt=t_receipt_no_t.getText();
        String pay=t_payment_plan_t.getText();
        String gender=t_gender_l.getSelectedItem();
        Float height=Float.parseFloat(t_height_t.getText());
        int weight=Integer.parseInt(t_weight_t.getText());
        String remark=t_remark_t.getText();
        String member_cat=t_member_category_t.getSelectedItem();

        try
        {
            Connectionclass con=new Connectionclass();

            String sql="insert into add_trainer
values('"+receipt+"','"+name+"','"+fname+"',"
            +
            """+email+"','"+address+"','"+contact+"','"+receipt+"','"+pay+"','"+gender+"',"
            +
            """+height+"','"+weight+"','"+remark+"','"+member_cat+"')";
            con.stm.executeUpdate(sql);
            JOptionPane.showMessageDialog(null, "Data inserted.....");
            f4.dispose();
        }
        catch(Exception e1)
        {
            System.out.println(e1);
        }
    }
}
}

```

Output of Add_Trainer:


ADD Trainer

—

□

×

Welcome Trainer



Name

sushas

Father's Name

pratik

Email

suahsaa05@gmail.com

Address

kupwad

Contact no.

7898090966

Receipt_no

102

Payment Plan (Month)

9

Gender

Male

Height

5.0

Weight

87

Remark

no

Membership Category

Private

Submit

Cancel

Message

i

Data inserted.....

OK

- **Customer Information**

```
package gym_management_system;

import javax.swing.JButton;
import javax.swing.JLabel;
import javax.swing.JTextField;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.sql.ResultSet;
import javax.swing.*;

public class Customer_information implements ActionListener
{
    JFrame f5;
    String x[] = {"Customer Id", "Name", "Father's name", "Email", "Address", "Contact
no", "Receipt_no", "Payment
Plan", "Gender", "Height", "Weight", "Remarks", "catg.", "Trainer name"};
    JButton bt;
    JPanel p1, p2, p3;
    JLabel l1, l2;
    JTextField tf1;
    String y[][] = new String[30][15];
    int i=0, j=0;
    JTable t;
    Font f1, f;

    public Customer_information() {
        // TODO Auto-generated constructor stub
        f5 = new JFrame();
        f5.setVisible(true);
        f5.setSize(1920, 800);
        f5.setLayout(new BorderLayout());
        f5.setTitle("Customer Information");
        // f5.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        t = new JTable(y, x);
        t.setEnabled(false);
        t.setBackground(Color.BLACK);
        t.setForeground(Color.WHITE);
        f1 = new Font("Lucida Fax", Font.BOLD, 25);
        f = new Font("MS UI GOTHIC", Font.BOLD, 15);
        JScrollPane sp = new JScrollPane(t);
        l1 = new JLabel("Delete any Customer ?");
        l1.setHorizontalAlignment(JLabel.CENTER);
        l1.setFont(f1);
        l1.setForeground(Color.yellow);
        l2 = new JLabel("Customer ID");
        l2.setFont(f1);
        l2.setForeground(Color.GRAY);
        p1 = new JPanel();
        p1.setLayout(new GridLayout(1, 1, 10, 10));
    }
}
```



```

p1.add(l1);
tf1= new JTextField();
bt=new JButton("Delete Customer");
tf1.setFont(f);
bt.setFont(f);
bt.addActionListener(this);
bt.setBackground(Color.BLACK);
bt.setForeground(Color.RED);
p2= new JPanel();
p2.setLayout(new GridLayout(1,3,10,10));
p2.add(l2);
p2.add(tf1);
p2.add(bt);      p3=new JPanel();
p3.setLayout(new GridLayout(2,1,10,10));
p3.add(p1);
p3.add(p2);      p1.setBackground(Color.BLACK);
p2.setBackground(Color.BLACK);
p3.setBackground(Color.BLACK);
f5.add(p3,"South");
f5.add(sp);
try      {
    Connectionclass obj = new Connectionclass();
    String q= "select * from add_customer";
    ResultSet rest = obj.stm.executeQuery(q);
    while (rest.next())      {
        y[i][j++]=rest.getString("Cutomer_id");
        y[i][j++]=rest.getString("Name");
        y[i][j++]=rest.getString("Father_name");
        y[i][j++]=rest.getString("Email");
        y[i][j++]=rest.getString("Address");
        y[i][j++]=rest.getString("Contact_no");
        y[i][j++]=rest.getString("Receipt_no");
        y[i][j++]=rest.getString("Payment_plan");
        y[i][j++]=rest.getString("Gender");
        y[i][j++]=rest.getString("Height");
        y[i][j++]=rest.getString("Weight");
        y[i][j++]=rest.getString("Remark");

        y[i][j++]=rest.getString("Member_category");
        y[i][j++]=rest.getString("Trainer_name");
        i++;
        j=0;
    }
}
catch(Exception e)
{
    System.out.println(e);
}

//f5.setExtendedState(JFrame.MAXIMIZED_BOTH);

```

[illegible]

Output to Delete Customer:

[illegible]

After Delete

[illegible]

- **Trainer Information**

```
package gym_management_system;
import java.awt.*;
import javax.swing.*;
import java.awt.event.*;
import java.sql.ResultSet;
public class Trainer_information implements ActionListener {
    JFrame f6;
    JPanel p1,p2,p3;
    JTextField jt1;
    JButton btn;
    JLabel l1,c1;
    Font f1,f;
    JTable t;
    int i=0,j=0;
    String x[]=
    {"Name","Fathename","Email","Address","Contact","Receipt_no","Payment_plan","
    Gender","Height","Weight","Remark,Member_category"};
    String y[][]=new String[30][14];
    public Trainer_information() {
        f6=new JFrame();
        f6.setLayout(new BorderLayout());
        f6.setVisible(true);
        f6.setSize(1920,800);
        f6.setTitle("Trainer Information");
        // TODO Auto-generated constructor stub
        t=new JTable(y,x);
        t.setEnabled(false);
        t.setBackground(Color.black);
        t.setForeground(Color.white);
        JScrollPane sp= new JScrollPane(t);
        f1= new Font("Lucida Fax",Font.BOLD,25);
        f= new Font("MS UI GOTHIC",Font.BOLD,15);
        p1=new JPanel();
        l1=new JLabel("Delete any Tainer ?");
        l1.setHorizontalAlignment(JLabel.CENTER);
        l1.setFont(f1);
        l1.setForeground(Color.yellow);
        p1.add(l1);
        p2=new JPanel();
        c1=new JLabel("Customer_ID");
        c1.setForeground(Color.GRAY);
        jt1=new JTextField();
        btn=new JButton("Delete Trainer");
        btn.addActionListener(this);
        jt1.setFont(f);
        btn.setFont(f);
        p2.setLayout(new GridLayout(1,3,10,10));
        p2.add(c1);
```

```

        p2.add(jt1);
        p2.add(btn);
        p3=new JPanel();
        p3.setLayout(new GridLayout(2,1,10,10));
        p3.add(p1);
        p3.add(p2);
        p1.setBackground(Color.BLACK);
        p2.setBackground(Color.BLACK);
        p3.setBackground(Color.BLACK);
        f6.add(sp);
        f6.add(p3,"South");
        try {
        Connectionclass obj = new Connectionclass();
        String q= "select * from add_trainer";
        ResultSet rest = obj.stm.executeQuery(q);
        while (rest.next())
        {
            y[i][j++]=rest.getString("Trainer_id");
            y[i][j++]=rest.getString("Name");
            y[i][j++]=rest.getString("Father_name");
            y[i][j++]=rest.getString("Email");
            y[i][j++]=rest.getString("Address");
            y[i][j++]=rest.getString("Contact_no");
            y[i][j++]=rest.getString("Receipt_no");
            y[i][j++]=rest.getString("Payment_plan");
            y[i][j++]=rest.getString("Gender");
            y[i][j++]=rest.getString("Height");
            y[i][j++]=rest.getString("Weight");
            y[i][j++]=rest.getString("Remark");
            y[i][j++]=rest.getString("Membership_category");
            i++;
            j=0;
        }
    }
    catch(Exception e)
    {
        System.out.println(e);
    }
}
public static void main(String[] args) {
    // TODO Auto-generated method stub
    new Trainer_information();
}
public void actionPerformed(ActionEvent e) {
    // TODO Auto-generated method stub
    if(e.getSource()==btn)
    {
        int id=Integer.parseInt(jt1.getText());
        try
        {
            Connectionclass ob=new Connectionclass();
            String q="delete from add_trainer where Trainer_id='"+id+"'";

```

Output of Trainer Information:

[illegible]

Output to Delete Information

[illegible]

After Delete

[illegible]

- **Update Customer**

```
package gym_management_system;
import java.awt.*;
import java.sql.*;
import java.awt.event.*;
import javax.swing.*;

import com.mysql.cj.protocol.ResultSet;
public class Update_customer extends JFrame implements ActionListener,
    MouseListener {

    JFrame f7;
    JLabel
    c_welcome,c_name,c_fathername,c_email,c_addres,c_contact,c_receipt_
    no,c_payment_plan,c_gender,c_height,c_weight,c_remark,c_member_cat
    egory,c_trainer_name,c_img,customer_id;
    JTextField
    c_name_t,c_fathername_t,c_email_t,c_address_t,c_contact_t,c_receipt_n
    o_t,c_payment_plan_t,c_height_t,c_weight_t,c_remark_t,customer_id_t;
    JButton c_submit,c_cancle;
    Choice
    c_gender_l,customer_id_c,c_trainer_name_t,c_member_category_t;
    GridBagConstraints gck=new GridBagConstraints();
    GridBagLayout gb=new GridBagLayout();

    public Update_customer() {

        // TODO Auto-generated constructor stub
        f7=new JFrame();
        f7.setVisible(true);
        f7.setSize(800,900);
        f7.setLayout(gb);
        f7.setBackground(Color.BLUE);
        f7.setTitle("ADD CUSTOMER");
        f7.setLocationRelativeTo(null);

        c_welcome=new JLabel("Update Customer");
```



```

        c_welcome.setForeground(Color.orange);
c_welcome.setFont(new Font("Arial", Font.BOLD, 20));
        gck.gridx=0;
        gck.gridy=0;

        gck.gridwidth=3;
        gb.setConstraints(c_welcome,gck);
        f7.add(c_welcome);

        ImageIcon imgf3=new ImageIcon("G:\\vedant\\5th
semester\\Advanced Java Programming\\eclipse java
code\\gym_management_system\\src\\gym_management_system\\custom
er.jpg");
        c_img=new JLabel(imgf3);
        gck.gridx=0;
        gck.gridy=1;
        gck.gridwidth=1;
        gck.gridheight=14;
        gb.setConstraints(c_img,gck);
        f7.add(c_img);
        gck.gridheight=1;

        customer_id=new JLabel("Customer ID");
        customer_id.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        customer_id.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=1;
        gck.ipadx=10;
        gck.ipady=10;
        gck.gridwidth=1;
        gck.fill=GridBagConstraints.HORIZONTAL;
        gck.insets=new Insets(10,10,10,10);
        gb.setConstraints(customer_id,gck);
        f7.add(customer_id);

        customer_id_c=new Choice();

        try
        {
            Connectionclass obj3=new Connectionclass();
            String q3="select Cutomer_id from add_customer";

```

```

        ResultSet rest3=obj3.stm.executeQuery(q3);
        while(rest3.next())
        {
            customer_id_c.add(rest3.getString("Cutomer_id"));
        }
    }
    catch(Exception ee)
    {
        ee.printStackTrace();
    }

    customer_id_c.addMouseListener(this);

    customer_id.setHorizontalAlignment(2);
    customer_id_c.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
    gck.gridx=2;
    gck.gridy=1;
    gck.gridwidth=1;
    gb.setConstraints(customer_id_c,gck);
    f7.add(customer_id_c);

    c_name=new JLabel("Name");
    c_name.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
    c_name.setForeground(Color.BLUE);
    gck.gridx=1;
    gck.gridy=2;
    gck.ipadx=10;
    gck.ipady=10;
    gck.gridwidth=1;
    gck.insets=new Insets(10,10,10,10);
    gb.setConstraints(c_name,gck);
    f7.add(c_name);

    c_name_t=new JTextField(20);
    c_name_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
    gck.gridx=2;
    gck.gridy=2;
    gck.ipadx=10;
    gck.ipady=10;

```

```

        gck.insets=new Insets(10,10,10,10);
        gck.gridwidth=1;
        gb.setConstraints(c_name_t,gck);
        f7.add(c_name_t);

        c_fathername=new JLabel("Father's Name");
        c_fathername.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        c_fathername.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=3;
        gck.ipadx=10;
        gck.ipady=10;
        gck.gridwidth=1;
        gb.setConstraints(c_fathername,gck);
        f7.add(c_fathername);

        c_fathername_t=new JTextField(20);
        c_fathername_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=3;
        gck.gridwidth=1;
        gb.setConstraints(c_fathername_t,gck);
        f7.add(c_fathername_t);

        c_email=new JLabel("Email");
        c_email.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        c_email.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=4;
        gck.gridwidth=1;
        gb.setConstraints(c_email,gck);
        f7.add(c_email);

        c_email_t=new JTextField(20);
        c_email_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=4;
        gck.gridwidth=1;
        gb.setConstraints(c_email_t,gck);

```

```

        f7.add(c_email_t);

        c_addres=new JLabel("Address");
        c_addres.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        c_addres.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=5;
        gck.gridwidth=1;
        gb.setConstraints(c_addres,gck);
        f7.add(c_addres);

        c_address_t=new JTextField(20);
        c_address_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=5;
        gck.gridwidth=1;
        gb.setConstraints(c_address_t,gck);
        f7.add(c_address_t);

        c_contact=new JLabel("Contact no.");
        c_contact.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        c_contact.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=6;
        gck.gridwidth=1;
        gb.setConstraints(c_contact,gck);
        f7.add(c_contact);

        c_contact_t=new JTextField(20);
        c_contact_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=6;
        gck.gridwidth=1;
        gb.setConstraints(c_contact_t,gck);
        f7.add(c_contact_t);

        c_receipt_no=new JLabel("Receipt_no");
        c_receipt_no.setFont(new Font("Times New Roman",
Font.PLAIN, 14));

```

```
c_receipt_no.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=7;
gck.gridwidth=1;
gb.setConstraints(c_receipt_no,gck);
f7.add(c_receipt_no);

c_receipt_no_t=new JTextField(20);
c_receipt_no_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
gck.gridx=2;
gck.gridy=7;
gck.gridwidth=1;
gb.setConstraints(c_receipt_no_t,gck);
f7.add(c_receipt_no_t);

c_payment_plan=new JLabel("Payment Plan (Month)");
c_payment_plan.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
c_payment_plan.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=8;
gck.gridwidth=1;
gb.setConstraints(c_payment_plan,gck);
f7.add(c_payment_plan);

c_payment_plan_t=new JTextField(20);
c_payment_plan_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
gck.gridx=2;
gck.gridy=8;
gck.gridwidth=1;
gb.setConstraints(c_payment_plan_t,gck);
f7.add(c_payment_plan_t);

c_height=new JLabel("Height");
c_height.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
c_height.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=9;
```

```

        gck.gridwidth=1;
        gb.setConstraints(c_height,gck);
        f7.add(c_height);

        c_height_t=new JTextField(20);
        c_height_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=9;
        gck.gridwidth=1;
        gb.setConstraints(c_height_t,gck);
        f7.add(c_height_t);

        c_weight=new JLabel("Weight");
        c_weight.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        c_weight.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=10;
        gck.gridwidth=1;
        gb.setConstraints(c_weight,gck);
        f7.add(c_weight);

        c_weight_t=new JTextField(20);
        c_weight_t.setFont(new Font("Times New Roman", Font.PLAIN,
14));
        gck.gridx=2;
        gck.gridy=10;
        gck.gridwidth=1;
        gb.setConstraints(c_weight_t,gck);
        f7.add(c_weight_t);

        c_remark=new JLabel("Remark");
        c_remark.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        c_remark.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=11;
        gck.gridwidth=1;
        gb.setConstraints(c_remark,gck);
        f7.add(c_remark);

        c_remark_t=new JTextField(20);

```

```

        c_remark_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=11;
        gck.gridwidth=1;
        gb.setConstraints(c_remark_t,gck);
        f7.add(c_remark_t);

        c_member_category=new JLabel("Membership Category");

        c_member_category.setFont(new Font("Times New
Roman", Font.PLAIN, 14));
        c_member_category.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=12;
        gck.gridwidth=1;
        gb.setConstraints(c_member_category,gck);
        f7.add(c_member_category);

        c_member_category_t=new Choice();
        c_member_category_t.add("Public");
        c_member_category_t.add("Private");
        c_member_category_t.setFont(new Font("Times New
Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=12;
        gck.gridwidth=1;
        gck.gridheight=1;
        gb.setConstraints(c_member_category_t,gck);
        f7.add(c_member_category_t);

        c_trainer_name=new JLabel("Trainer name");
        c_trainer_name.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        c_trainer_name.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=13;
        gck.gridwidth=1;
        gb.setConstraints(c_trainer_name,gck);
        f7.add(c_trainer_name);

        c_trainer_name_t=new Choice();

```

```

        c_trainer_name_t.addMouseListener(new MouseAdapter() {
            public void mouseClicked(MouseEvent e)
            {

                try
                {
                    Connectionclass obn=new
Connectionclass();

                    String q="select Name from add_trainer";
                    ResultSet res=obn.stm.executeQuery(q);
                    while(res.next())
                    {
                        c_trainer_name_t.add(res.getString("Name"));

                    }
                }
                catch(Exception ee)
                {
                    System.out.println(ee);
                }
            }
        });
        c_trainer_name_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=13;
        gck.gridwidth=1;
        gck.fill=GridBagConstraints.HORIZONTAL;
        gb.setConstraints(c_trainer_name_t,gck);
        f7.add(c_trainer_name_t);

        c_submit=new JButton("Update Data ");
        c_submit.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        c_submit.addActionListener(this);
        gck.gridx=1;
        gck.gridy=14;
        gck.gridwidth=1;
        gck.fill=GridBagConstraints.HORIZONTAL;
        gb.setConstraints(c_submit,gck);
        f7.add(c_submit);

```



```

        c_cancel=new JButton("Cancel");
        c_cancel.setFont(new Font("Times New Roman",
Font.PLAIN, 14));

        c_cancel.addMouseListener(new MouseAdapter(){
            public void mouseClicked(MouseEvent e)
            {
                f7.dispose();
            }
        });
        gck.gridx=2;
        gck.gridy=14;
        gck.gridwidth=1;
        gck.insets=new Insets(10,20,10,20);
        gb.setConstraints(c_cancel,gck);
        f7.add(c_cancel);

    }

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        new Update_customer();
    }

    @Override
    public void actionPerformed(ActionEvent e) {
        // TODO Auto-generated method stub
        if(e.getSource()==c_submit)
        {
            String name=c_name_t.getText();
            String fname=c_fathename_t.getText();
            String email=c_email_t.getText();
            String address=c_address_t.getText();
            String contact=c_contact_t.getText();

            String pay=c_payment_plan_t.getText();

            Float height=Float.parseFloat(c_height_t.getText());
            int weight=Integer.parseInt(c_weight_t.getText());
            String remark=c_remark_t.getText();
            String

```

```

member_cat=c_member_category_t.getSelectedItemAt();

        try
        {
            Connectionclass ob=new Connectionclass();
            String q="update add_customer set
Name='"+name+"',Father_name='"+fname+"',Email='"+email+"',"
            +
            "Address='"+address+"',Contact_no='"+contact+"',Payment_plan='"+pay
            +"',Height='"+height+"',Weight='"+weight+"',"
            +
            "Remark='"+remark+"',Member_category='"+member_cat+""";

            ob.stm.executeUpdate(q);
            JOptionPane.showMessageDialog(null,"Data
Updated");
            f7.dispose();
        }
        catch(Exception e1)
        {
            System.out.println(e1);
        }
    }

}

@Override
public void mouseClicked(MouseEvent e) {
    // TODO Auto-generated method stub
    try
    {
        int id=Integer.parseInt(customer_id_c.getSelectedItemAt());
        Connectionclass ob=new Connectionclass();
        String q="select * from add_customer where
Cutomer_id='"+id+""";
        ResultSet res=ob.stm.executeQuery(q);

        while(res.next())
        {
            c_name_t.setText(res.getString("Name"));
            c_fathename_t.setText(res.getString("Father_name"));
            c_email_t.setText(res.getString("Email"));
        }
    }
}

```

```
        c_address_t.setText(res.getString("Address"));
        c_contact_t.setText(res.getString("Contact_no"));
        c_receipt_no_t.setText(res.getString("Receipt_no"));
        c_payment_plan_t.setText(res.getString("Payment_plan"));
        c_height_t.setText(res.getString("Height"));
        c_weight_t.setText(res.getString("Weight"));
        c_remark_t.setText(res.getString("Remark"));

    }

}

    catch(Exception ee)
    {
        ee.printStackTrace();
    }
}

@Override
public void mousePressed(MouseEvent e) {
    // TODO Auto-generated method stub

}

@Override
public void mouseReleased(MouseEvent e) {
    // TODO Auto-generated method stub

}

@Override
public void mouseEntered(MouseEvent e) {
    // TODO Auto-generated method stub


}

@Override
public void mouseExited(MouseEvent e) {
    // TODO Auto-generated method stub

}


}
```

Output of Update Customer


 ADD CUSTOMER

Update Customer

Customer ID	<input type="text" value="101"/>
Name	<input type="text" value="vedant"/>
Father's Name	<input type="text" value="satish"/>
Email	<input type="text" value="vedantjadhav@gmail.com"/>
Address	<input type="text" value="kupwad"/>
Contact no.	<input type="text" value="886250980"/>
Receipt_no	<input type="text" value="101"/>
Payment Plan (Month)	<input type="text" value="9"/>
Height	<input type="text" value="5.9"/>
Weight	<input type="text" value="62"/>
Remark	<input type="text" value="builder"/>
Membership Category	<input type="text" value="Public"/>
Trainer name	<input type="text" value="abhishek"/>



Message

 **Data Updated**

- **Update trainer**

```
package gym_management_system;
```

```
import java.awt.Choice;  
import java.awt.Color;  
import java.awt.Font;  
import java.awt.GridBagConstraints;  
import java.awt.GridBagLayout;  
import java.awt.Insets;  
import java.awt.event.ActionEvent;  
import java.awt.event.ActionListener;  
import java.awt.event.MouseAdapter;  
import java.awt.event.MouseEvent;  
import java.awt.event.MouseListener;  
import java.sql.ResultSet;
```

```
import javax.swing.ImageIcon;  
import javax.swing.JButton;  
import javax.swing.JFrame;  
import javax.swing.JLabel;  
import javax.swing.JOptionPane;  
import javax.swing.JTextField;
```

```
public class Update_trainer implements MouseListener,ActionListener {
```

```
    JFrame f8;  
    JLabel  
    c_welcome,c_name,c_fathername,c_email,c_addres,c_contact,c_receipt_no,c_payme  
    nt_plan,c_gender,c_height,c_weight,c_remark,c_member_category,c_trainer_name,c  
    _img,customer_id;  
    JTextField  
    c_name_t,c_fathername_t,c_email_t,c_address_t,c_contact_t,c_receipt_no_t,c_payme  
    nt_plan_t,c_height_t,c_weight_t,c_remark_t,c_trainer_name_t,customer_id_t;  
    JButton c_submit,c_cancle;  
    Choice c_gender_l,customer_id_c,c_member_category_t;  
    GridBagConstraints gck=new GridBagConstraints();  
    GridBagLayout gb=new GridBagLayout();
```

```
    public Update_trainer() {
```

```
        // TODO Auto-generated constructor stub  
        f8=new JFrame();  
        f8.setVisible(true);  
        f8.setSize(800,900);  
        f8.setLayout(gb);  
        f8.setBackground(Color.BLUE);  
        f8.setTitle("Update Trainer");
```

```

f8.setLocationRelativeTo(null);

c_welcome=new JLabel("Update Trainer");

c_welcome.setForeground(Color.orange);
c_welcome.setFont(new Font("Arial", Font.BOLD, 20));
gck.gridx=0;
gck.gridy=0;

gck.gridwidth=3;
gb.setConstraints(c_welcome,gck);
f8.add(c_welcome);

ImageIcon imgf3=new ImageIcon("G:\\vedant\\5th
semester\\Advanced Java Programming\\eclipse java
code\\gym_management_system\\src\\gym_management_system\\customer.jpg");
c_img=new JLabel(imgf3);
gck.gridx=0;
gck.gridy=1;
gck.gridwidth=1;
gck.gridheight=14;
gb.setConstraints(c_img,gck);
f8.add(c_img);
gck.gridheight=1;

customer_id=new JLabel("Trainer ID");
customer_id.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
customer_id.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=1;
gck.ipadx=10;
gck.ipady=10;
gck.gridwidth=1;
gck.insets=new Insets(10,10,10,10);
gb.setConstraints(customer_id,gck);
f8.add(customer_id);

customer_id_c=new Choice();
try
{
    Connectionclass obj3=new Connectionclass();
    String q3="select Trainer_id from add_trainer";
    ResultSet rest3=obj3.stm.executeQuery(q3);
    while(rest3.next())
    {

```

```

        customer_id_c.add(rest3.getString("Trainer_id"));
    }
}
catch(Exception ee)
{
    ee.printStackTrace();
}

        customer_id_c.addMouseListener(this);

        customer_id.setHorizontalAlignment(2);
        customer_id_c.setFont(new Font("Times New Roman",
Font.PLAIN, 14));

        gck.gridx=2;
        gck.gridy=1;
        gck.gridwidth=1;
        gb.setConstraints(customer_id_c,gck);
        f8.add(customer_id_c);

        c_name=new JLabel("Name");
        c_name.setFont(new Font("Times New Roman", Font.PLAIN,
14));

        c_name.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=2;
        gck.ipadx=10;
        gck.ipady=10;
        gck.gridwidth=1;
        gck.insets=new Insets(10,10,10,10);
        gb.setConstraints(c_name,gck);
        f8.add(c_name);

        c_name_t=new JTextField(20);
        c_name_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));

        gck.gridx=2;
        gck.gridy=2;
        gck.ipadx=10;
        gck.ipady=10;
        gck.insets=new Insets(10,10,10,10);
        gck.gridwidth=1;
        gb.setConstraints(c_name_t,gck);
        f8.add(c_name_t);

        c_fathername=new JLabel("Father's Name");
        c_fathername.setFont(new Font("Times New Roman",
Font.PLAIN, 14));

        c_fathername.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=3;
        gck.ipadx=10;

```

```

gck.ipady=10;
    gck.gridwidth=1;
gb.setConstraints(c_fathername,gck);
    f8.add(c_fathername);

    c_fathername_t=new JTextField(20);
    c_fathername_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
    gck.gridx=2;
    gck.gridy=3;
    gck.gridwidth=1;
gb.setConstraints(c_fathername_t,gck);
    f8.add(c_fathername_t);

    c_email=new JLabel("Email");
    c_email.setFont(new Font("Times New Roman", Font.PLAIN,
14));
    c_email.setForeground(Color.BLUE);
    gck.gridx=1;
    gck.gridy=4;
    gck.gridwidth=1;
gb.setConstraints(c_email,gck);
    f8.add(c_email);

    c_email_t=new JTextField(20);
    c_email_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
    gck.gridx=2;
    gck.gridy=4;
    gck.gridwidth=1;
gb.setConstraints(c_email_t,gck);
    f8.add(c_email_t);

    c_addres=new JLabel("Address");
    c_addres.setFont(new Font("Times New Roman", Font.PLAIN,
14));
    c_addres.setForeground(Color.BLUE);
    gck.gridx=1;
    gck.gridy=5;
    gck.gridwidth=1;
gb.setConstraints(c_addres,gck);
    f8.add(c_addres);

    c_address_t=new JTextField(20);
    c_address_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
    gck.gridx=2;
    gck.gridy=5;
    gck.gridwidth=1;
gb.setConstraints(c_address_t,gck);

```



```

f8.add(c_address_t);

c_contact=new JLabel("Contact no.");
c_contact.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
c_contact.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=6;
gck.gridwidth=1;
gb.setConstraints(c_contact,gck);
f8.add(c_contact);

c_contact_t=new JTextField(20);
c_contact_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
gck.gridx=2;
gck.gridy=6;
gck.gridwidth=1;
gb.setConstraints(c_contact_t,gck);
f8.add(c_contact_t);

c_receipt_no=new JLabel("Receipt_no");
c_receipt_no.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
c_receipt_no.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=7;
gck.gridwidth=1;
gb.setConstraints(c_receipt_no,gck);
f8.add(c_receipt_no);

c_receipt_no_t=new JTextField(20);
c_receipt_no_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
gck.gridx=2;
gck.gridy=7;
gck.gridwidth=1;
gb.setConstraints(c_receipt_no_t,gck);
f8.add(c_receipt_no_t);

c_payment_plan=new JLabel("Payment Plan (Month)");
c_payment_plan.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
c_payment_plan.setForeground(Color.BLUE);
gck.gridx=1;
gck.gridy=8;
gck.gridwidth=1;
gb.setConstraints(c_payment_plan,gck);
f8.add(c_payment_plan);

```

```

        c_payment_plan_t=new JTextField(20);
        c_payment_plan_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=8;
        gck.gridwidth=1;
        gb.setConstraints(c_payment_plan_t,gck);
        f8.add(c_payment_plan_t);

        c_height=new JLabel("Height");
        c_height.setFont(new Font("Times New Roman", Font.PLAIN,
14));
        c_height.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=9;
        gck.gridwidth=1;
        gb.setConstraints(c_height,gck);
        f8.add(c_height);

        c_height_t=new JTextField(20);
        c_height_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=9;
        gck.gridwidth=1;
        gb.setConstraints(c_height_t,gck);
        f8.add(c_height_t);

        c_weight=new JLabel("Weight");
        c_weight.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        c_weight.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=10;
        gck.gridwidth=1;
        gb.setConstraints(c_weight,gck);
        f8.add(c_weight);

        c_weight_t=new JTextField(20);
        c_weight_t.setFont(new Font("Times New Roman", Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=10;
        gck.gridwidth=1;
        gb.setConstraints(c_weight_t,gck);
        f8.add(c_weight_t);

        c_remark=new JLabel("Remark");
        c_remark.setFont(new Font("Times New Roman",
Font.PLAIN, 14));

```

```

        c_remark.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=11;
        gck.gridwidth=1;
        gb.setConstraints(c_remark,gck);
        f8.add(c_remark);

        c_remark_t=new JTextField(20);
        c_remark_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=11;
        gck.gridwidth=1;
        gb.setConstraints(c_remark_t,gck);
        f8.add(c_remark_t);

        c_member_category=new JLabel("Membership Category");
        c_member_category.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        c_member_category.setForeground(Color.BLUE);
        gck.gridx=1;
        gck.gridy=12;
        gck.gridwidth=1;
        gb.setConstraints(c_member_category,gck);
        f8.add(c_member_category);

        c_member_category_t=new Choice();
        c_member_category_t.add("Public");
        c_member_category_t.add("Private");
        c_member_category_t.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        gck.gridx=2;
        gck.gridy=12;
        gck.gridwidth=1;
        gck.gridheight=1;
        gb.setConstraints(c_member_category_t,gck);
        f8.add(c_member_category_t);

        c_submit=new JButton("Update Data ");
        c_submit.setFont(new Font("Times New Roman",
Font.PLAIN, 14));
        c_submit.addActionListener(this);
        gck.gridx=1;
        gck.gridy=13;
        gck.gridwidth=1;
        gck.fill=GridBagConstraints.HORIZONTAL;
        gb.setConstraints(c_submit,gck);

```

```

        f8.add(c_submit);

        c_cancel=new JButton("Cancel");
        c_cancel.setFont(new Font("Times New Roman", Font.PLAIN,
14));

        c_cancel.addMouseListener(new MouseAdapter(){
            public void mouseClicked(MouseEvent e)
            {
                f8.dispose();
            }
        });
        gck.gridx=2;
        gck.gridy=13;
        gck.gridwidth=1;
        gck.insets=new Insets(10,20,10,20);
        gb.setConstraints(c_cancel,gck);
        f8.add(c_cancel);

        // TODO Auto-generated constructor stub
    }
    public static void main(String args[]) {
        new Update_trainer();
    }
    @Override
    public void mouseClicked(MouseEvent e) {
        // TODO Auto-generated method stub
        try
        {
            int id=Integer.parseInt(customer_id_c.getSelectedItem());
            Connectionclass ob=new Connectionclass();
            String q="select * from add_trainer where Trainer_id='"+id+"'";
            ResultSet res=ob.stm.executeQuery(q);

            while(res.next())
            {
                c_name_t.setText(res.getString("Name"));
                c_fathename_t.setText(res.getString("Father_name"));
                c_email_t.setText(res.getString("Email"));
                c_address_t.setText(res.getString("Address"));
                c_contact_t.setText(res.getString("Contact_no"));
                c_receipt_no_t.setText(res.getString("Receipt_no"));
                c_payment_plan_t.setText(res.getString("Payment_plan"));
                c_height_t.setText(res.getString("Height"));
                c_weight_t.setText(res.getString("Weight"));
                c_remark_t.setText(res.getString("Remark"));

            }

        }
    }

```

```

        catch(Exception ee)
        {
            ee.printStackTrace();
        }
    }
    @Override
    public void mousePressed(MouseEvent e) {
        // TODO Auto-generated method stub

    }
    @Override
    public void mouseReleased(MouseEvent e) {
        // TODO Auto-generated method stub

    }
    @Override
    public void mouseEntered(MouseEvent e) {
        // TODO Auto-generated method stub

    }
    @Override
    public void mouseExited(MouseEvent e) {
        // TODO Auto-generated method stub

    }
    @Override
    public void actionPerformed(ActionEvent e) {
        // TODO Auto-generated method stub
        if(e.getSource()==c_submit)
        {
            String name=c_name_t.getText();
            String fname=c_fathename_t.getText();
            String email=c_email_t.getText();
            String address=c_address_t.getText();
            String contact=c_contact_t.getText();

            String pay=c_payment_plan_t.getText();

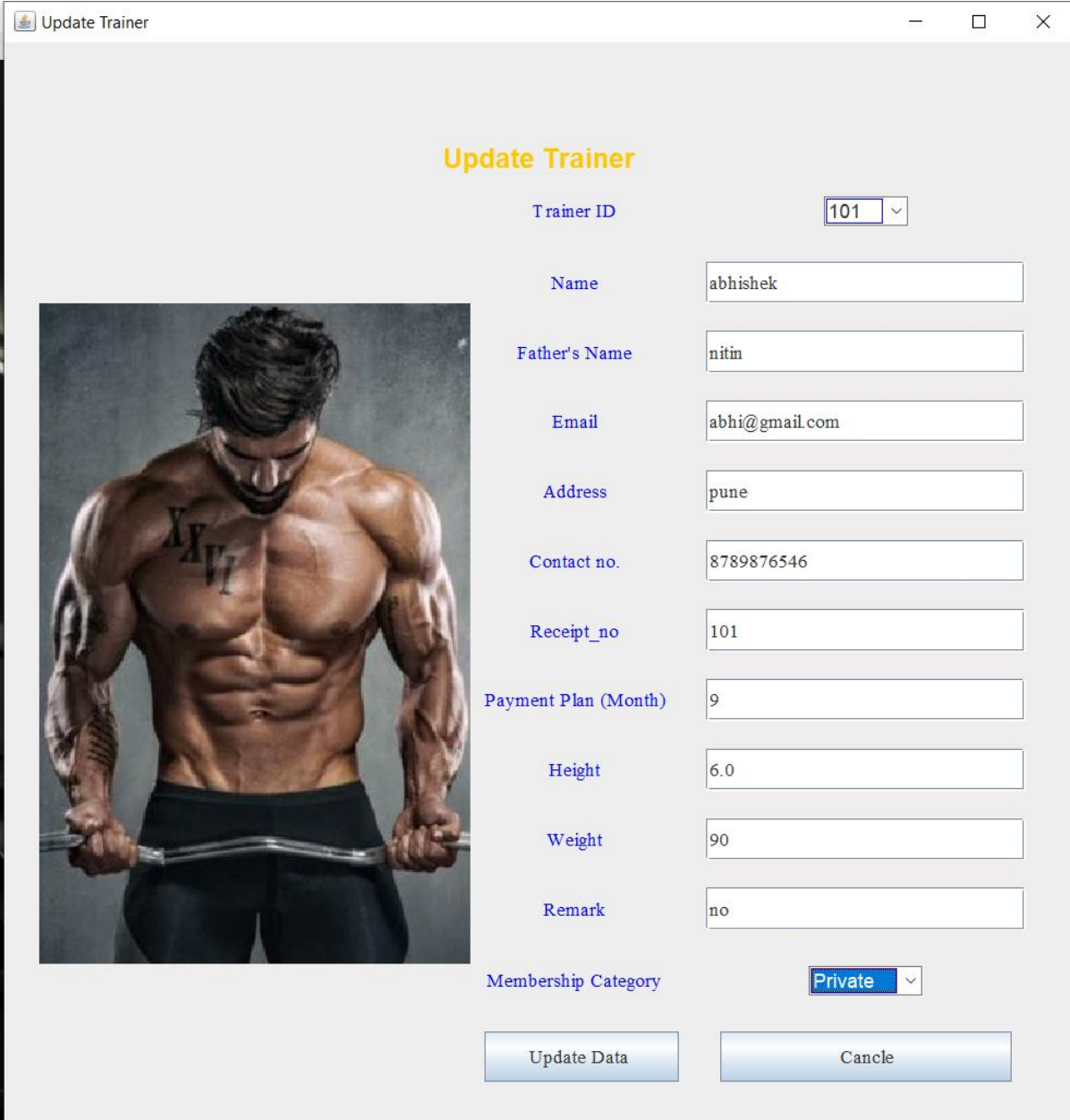
            Float height=Float.parseFloat(c_height_t.getText());
            int weight=Integer.parseInt(c_weight_t.getText());
            String remark=c_remark_t.getText();
            String member_cat=c_member_category_t.getSelectedItem();

            try
            {
                Connectionclass ob=new Connectionclass();
                String q="update add_trainer set
Name='"+name+"',Father_name='"+fname+"',Email='"+email+"',"
+

```

```
"Address="+address+"",Contact_no="+contact+"",Payment_plan="+pay+"",Height="+height+"",Weight="+weight+"",  
+  
"Remark="+remark+"",Membership_category="+member_cat+"";  
  
        ob.stm.executeUpdate(q);  
        JOptionPane.showMessageDialog(null,"Data Updated");  
        f8.dispose();  
    }  
    catch(Exception e1)  
    {  
        System.out.println(e1);  
    }  
  
    }  
  
    }  
}
```

Output of Update Trainer


A screenshot of a software window titled "Update Trainer". The window has a light gray background. On the left side, there is a large image of a muscular man with a tattoo on his chest, holding a barbell. To the right of the image, the title "Update Trainer" is displayed in orange. Below the title, there are several form fields with labels in blue. The fields are: "Trainer ID" (a dropdown menu showing "101"), "Name" (a text box with "abhishek"), "Father's Name" (a text box with "nitin"), "Email" (a text box with "abhi@gmail.com"), "Address" (a text box with "pune"), "Contact no." (a text box with "8789876546"), "Receipt_no" (a text box with "101"), "Payment Plan (Month)" (a text box with "9"), "Height" (a text box with "6.0"), "Weight" (a text box with "90"), "Remark" (a text box with "no"), and "Membership Category" (a dropdown menu showing "Private"). At the bottom of the form, there are two buttons: "Update Data" and "Cancle".

Trainer ID	101
Name	abhishek
Father's Name	nitin
Email	abhi@gmail.com
Address	pune
Contact no.	8789876546
Receipt_no	101
Payment Plan (Month)	9
Height	6.0
Weight	90
Remark	no
Membership Category	Private

Update Data

Cancle

Message

Data Updated

OK

- **Customer Fees**

```
package gym_management_system;
import java.awt.*;
import javax.swing.*;
import java.awt.event.*;
import java.sql.ResultSet;
public class Customer_fees implements ActionListener{
    JFrame f9;
    JLabel l1,l2,l3,l4,l5,l6,l7,l8,l9;
    JButton bt1, bt2;
    Choice ch1, ch2;
    JTextField tf1, tf2, tf3, tf4, tf5, tf6;
    JPanel p1, p2, p3;
    public Customer_fees() {

        f9=new JFrame();
        f9.setTitle("Custome Fees");
        f9.setSize(670,300);
        f9.setLocation(270,250);
        f9.setResizable(false);
        f9.setVisible(true);
        f9.setLayout(new BorderLayout());

        Font f1 = new Font("Lucida Fax", Font.BOLD, 25);
        Font f = new Font("MS UI Gothic", Font.BOLD, 18);
        ImageIcon img = new ImageIcon("G:\\vedant\\5th semester\\Advanced Java
Programming\\eclipse java
code\\gym_management_system\\src\\gym_management_system\\fees_customer.png"
);
        Image im = img.getImage().getScaledInstance(140, 200,
Image.SCALE_DEFAULT);
        l6 = new JLabel(new ImageIcon(im));

        l1= new JLabel("Customer Id");
        l2= new JLabel("Name");
        l3= new JLabel("Category");
        l7= new JLabel("Month");
        l4= new JLabel("Charge fees per month");
        l5= new JLabel("Pay Fees");
        l9= new JLabel("Trainer Name");
        l5.setFont(f1);
        l5.setHorizontalAlignment(JLabel.CENTER);

        tf1= new JTextField();
        tf2= new JTextField();
        tf3= new JTextField();
        tf4= new JTextField();
        tf6= new JTextField();
```



```
11.setFont(f);
12.setFont(f);
13.setFont(f);
14.setFont(f);
17.setFont(f);
19.setFont(f);
```

```
tf1.setFont(f);
tf2.setFont(f);
tf3.setFont(f);
tf4.setFont(f);
tf6.setFont(f);
```

```
11.setForeground(Color.WHITE);
12.setForeground(Color.WHITE);
13.setForeground(Color.WHITE);
14.setForeground(Color.WHITE);
17.setForeground(Color.WHITE);
19.setForeground(Color.WHITE);
15.setForeground(Color.WHITE);
```

```
ch1= new Choice();
try
{
    Connectionclass obj =new Connectionclass();
    String q= "select Cutomer_id from add_customer";
    ResultSet rest = obj.stm.executeQuery(q);
while(rest.next())
{
    ch1.add(rest.getString("Cutomer_id"));
}
}
catch(Exception ex)
{
    ex.printStackTrace();
}

ch1.addMouseListener(new MouseAdapter()
{
    @Override
    public void mouseClicked(MouseEvent arg)
    {
        int id= Integer.parseInt(ch1.getSelectedItem());
        try
        {
            Connectionclass obj1 =new Connectionclass();
            String q1= "select * from add_customer where Cutomer_id='"+id+"'";
            ResultSet rest1 = obj1.stm.executeQuery(q1);
            while(rest1.next())
            {
                tf1.setText(rest1.getString("Name"));
            }
        }
        catch (Exception ex)
        {
            ex.printStackTrace();
        }
    }
});
```

```

        tf2.setText(rest1.getString("Member_category"));
        tf6.setText(rest1.getString("Trainer_name"));

    }

}
catch(Exception exx)
{
    exx.printStackTrace();
}
});

ch1.setFont(f);

ch2= new Choice();
ch2.add("January");
ch2.add("February");
ch2.add("March");
ch2.add("April");
ch2.add("May");
ch2.add("June");
ch2.add("July");
ch2.add("August");
ch2.add("September");
ch2.add("October");
ch2.add("November");
ch2.add("December");

ch2.setFont(f);

bt1=new JButton("Submit");
bt2=new JButton("Cancel");

bt1.setBackground(Color.BLACK);
bt1.setBackground(Color.CYAN);
bt2.setBackground(Color.BLACK);
bt2.setBackground(Color.RED);

bt1.addActionListener(this);
bt2.addActionListener(this);

p1= new JPanel();
p1.setLayout(new GridLayout(1,1,10,10));
p1.add(l5);

p2= new JPanel();
p2.setLayout(new GridLayout(7,2,10,10));
p2.add(l1);
p2.add(ch1);

```

```

        p2.add(l2);
        p2.add(tf1);
        p2.add(l3);
        p2.add(tf2);
        p2.add(l9);
        p2.add(tf6);
        p2.add(l7);
        p2.add(ch2);
        p2.add(l4);
        p2.add(tf3);
        p2.add(bt1);
        p2.add(bt2);

        p3=new JPanel();
        p3.setLayout(new GridLayout(1,1,10,10));
        p3.add(l6);

        p1.setBackground(Color.BLACK);
        p2.setBackground(Color.BLACK);
        p3.setBackground(Color.BLACK);

        f9.add(p1,"North");
        f9.add(p2,"Center");
        f9.add(p3,"West");
    }

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        new Customer_fees();
    }

    @Override
    public void actionPerformed(ActionEvent e) {
        // TODO Auto-generated method stub
        String id= ch1.getSelectedItem();
        String name=tf1.getText();
        String category=tf2.getText();
        float fees=Float.parseFloat(tf3.getText());
        String trainer_name=tf6.getText();
        String month =ch2.getSelectedItem();
        try{

            Connectionclass obj2= new Connectionclass();
            if(e.getSource()==bt1)
            {

                String q1="select Cutomer_id from pay_customer where Cutomer_id= '"+id+"'";

```

```

        ResultSet res=obj2.stm.executeQuery(q1);
        int tid=1;
        while(res.next())
        {
            tid=res.getInt(1);

        }
        System.out.println(tid);

        if(tid==1)
        {
            System.out.println("insert");

            String q2="insert into pay_customer
values('"+id+"','"+name+"','"+category+"','"+fees+"','"+month+"','"+trainer_name+"')";
;
            obj2.stm.executeUpdate(q2);
            JOptionPane.showMessageDialog(null,"Your fees data adds Successfully :");
            f9.dispose();

        }
        else {
            System.out.println("up");

            String q3="update pay_customer set
Name='"+name+"',Category='"+category+"',fees='"+fees+"',month='"+month+"',Trai
ner_name='"+trainer_name+"' where Cutomer_id='"+id+"'";
            obj2.stm.executeUpdate(q3);
            JOptionPane.showMessageDialog(null,"Your fees data update Successfully :");
        }
        if(e.getSource()==bt2)
        {
            f9.dispose();
        }

    }
}
catch(Exception exx)
{
    exx.printStackTrace();
}
}
}

```

Output of Customer Fee

Customer Fees

Pay Fees

Customer Id

101

Name

vedant

Category

Public

Trainer Name

aniket

Month

August

Charge fees per month

9000

Submit

Cancel

Message

i

Your fees data adds Successfully :

OK

- **Trainer fees**

```
package gym_management_system;
import java.awt.*;
import javax.swing.*;
import java.awt.event.*;
import java.sql.ResultSet;
import java.sql.*;
public class Trainer_fees implements ActionListener {
    JFrame f10;
    JLabel l1,l2,l3,l4,l5,l6;
    JButton bt1,bt2;
    Choice ch1,ch2;
    JTextField tf1,tf2,tf3;
    JPanel p1,p2,p3;
    public Trainer_fees() {

        f10=new JFrame();
        f10.setTitle("Trainer fees");
        f10.setSize(670,300);
        f10.setLocation(270,250);
        f10.setResizable(false);
        f10.setVisible(true);
        Font f1 = new Font("Lucida Fax", Font.BOLD, 25);
        Font f = new Font("MS UI Gothic", Font.BOLD, 18);
        ImageIcon img = new ImageIcon("G:\\vedant\\5th semester\\Advanced Java
Programming\\eclipse java
code\\gym_management_system\\src\\gym_management_system\\fees_trainer2.png");
        Image im = img.getImage().getScaledInstance(170, 230,
Image.SCALE_DEFAULT);
        l6 = new JLabel(new ImageIcon(im));
        l1= new JLabel("Trainer Id");
        l2= new JLabel("Name");
        l3= new JLabel("Category");
        l4= new JLabel("Charge fees per client");
        l5= new JLabel("Trainer Fees");
        l5.setFont(f1);
        l5.setHorizontalAlignment(JLabel.CENTER);
        tf1= new JTextField();
        tf2= new JTextField();
        tf3= new JTextField();
        l1.setFont(f);
        l2.setFont(f);
        l3.setFont(f);
        l4.setFont(f);
        tf1.setFont(f);
        tf2.setFont(f);
        tf3.setFont(f);
        l1.setForeground(Color.WHITE);
        l2.setForeground(Color.WHITE);
```

```

13.setForeground(Color.WHITE);
14.setForeground(Color.WHITE);
15.setForeground(Color.YELLOW);

ch1= new Choice();
try{
    Connectionclass obj =new Connectionclass();
    String q= "select Trainer_id from add_trainer";
    ResultSet rest = obj.stm.executeQuery(q);
    while(rest.next())
    {
        ch1.add(rest.getString("Trainer_id"));
    }
}
catch(Exception ex)
{
    ex.printStackTrace();
}
ch1.addMouseListener(new MouseAdapter() {
public void mouseClicked(MouseEvent ee)
    {
        int id= Integer.parseInt(ch1.getSelectedItem());
        try
        {
            Connectionclass obj1 =new Connectionclass();
            String q1= "select * from add_trainer where Trainer_id='"+id+"'";
            ResultSet rest1 = obj1.stm.executeQuery(q1);
            while(rest1.next())
            {
                tf1.setText(rest1.getString("Name"));
                tf2.setText(rest1.getString("Membership_category"));
            }

        }
        catch(Exception exx)
        {
            exx.printStackTrace();
        }
    }
});
ch1.setFont(f);

bt1 = new JButton("Submit");
bt2 = new JButton("Cancel");

bt1.setFont(f);
bt2.setFont(f);

bt1.setBackground(Color.BLACK);
bt1.setForeground(Color.CYAN);

```

```

        bt2.setBackground(Color.BLACK);
        bt2.setForeground(Color.RED);

        bt1.addActionListener(this);
        bt2.addActionListener(this);

        p1= new JPanel();
        p1.setLayout(new GridLayout(1,1,10,10));
        p1.add(l5);

        p2= new JPanel();
        p2.setLayout(new GridLayout(5,2,10,10));
        p2.add(l1);
        p2.add(ch1);
        p2.add(l2);
        p2.add(tf1);
        p2.add(l3);
        p2.add(tf2);
        p2.add(l4);
        p2.add(tf3);
        p2.add(bt1);
        p2.add(bt2);
        p3= new JPanel();
        p3.setLayout(new GridLayout(1,1,10,10));
        p3.add(l6);
        p1.setBackground(Color.BLACK);
        p2.setBackground(Color.BLACK);
        p3.setBackground(Color.BLACK);

        f10.setLayout(new BorderLayout());

        f10.add(p1,"North");
        f10.add(p2,"Center");
        f10.add(p3,"West");
    }

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        new Trainer_fees();
    }

    @Override
    public void actionPerformed(ActionEvent e) {
        // TODO Auto-generated method stub
        int id = Integer.parseInt(ch1.getSelectedItem());
        String name=tf1.getText();
        String category=tf2.getText();
        float fees =Float.parseFloat(tf3.getText());
        try {
            Connectionclass obj2= new Connectionclass();

```



```

if(e.getSource()==bt1)
{

    String q1="select Trainer_id from fee_trainer where Trainer_id= '"+id+"'";

    ResultSet res=obj2.stm.executeQuery(q1);
    int tid=1;
    while(res.next())
    {
        tid=res.getInt(1);

    }
    System.out.println(tid);

    if(tid==1)
    {
        System.out.println("insert");

        String q2="insert into fee_trainer
values('"+id+"','"+name+"','"+category+"','"+fees+"')";
        obj2.stm.executeUpdate(q2);
        JOptionPane.showMessageDialog(null,"Your fees data adds Successfully
:");
        f10.dispose();

    }
    else {
        System.out.println("up");

        String q3="update fee_trainer set
Name='"+name+"',Category='"+category+"',fees='"+fees+"' where
Trainer_id='"+id+"'";
        obj2.stm.executeUpdate(q3);
        JOptionPane.showMessageDialog(null,"Your fees data update Successfully
:");
    }
}
if(e.getSource()==bt2)
{
    f10.dispose();
}
}
catch (Exception ex) {
    System.out.println(ex);
}

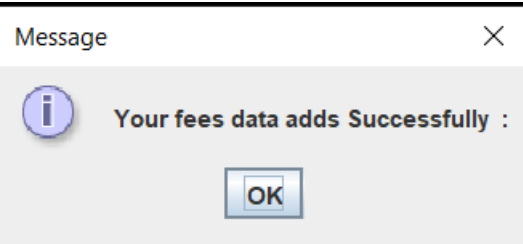
}

}

```

Output of Trainer fee:

A screenshot of a web application window titled "Trainer fees". The window has a black background with yellow text for the title "Trainer Fees". On the left side, there is a white silhouette of a muscular person in a dynamic pose. To the right of the silhouette, there are four input fields: "Trainer Id" with a dropdown menu showing "101", "Name" with a text box containing "abhishek", "Category" with a dropdown menu showing "Private", and "Charge fees per client" with a text box containing "8000". At the bottom right, there are two buttons: "Submit" in blue text and "Cancel" in red text.

A screenshot of a small message dialog box titled "Message". It has a light gray background and a close button (X) in the top right corner. On the left, there is a blue circular icon with a white lowercase 'i'. To the right of the icon, the text reads "Your fees data adds Successfully :". At the bottom center, there is a button labeled "OK".

- **Customer Search**

```
package gym_management_system;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.event.MouseAdapter;
import java.awt.event.MouseEvent;

import javax.swing.*;
import javax.swing.border.Border;

import java.sql.*;

public class customer_search extends JFrame {

    public customer_search() {
        initComponents();
    }

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

        jLabel2 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        choice1 = new java.awt.Choice();
        jTextField1 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        try
        {
            Connectionclass obj =new Connectionclass();
            String q= "select Cutomer_id from add_customer";
            ResultSet rest = obj.stm.executeQuery(q);
            while(rest.next())
            {
                choice1.add(rest.getString("Cutomer_id"));
            }
        }
        catch(Exception ex)
        {
            ex.printStackTrace();
        }
        choice1.addMouseListener(new MouseAdapter()
        {
            @Override
```

```

        public void mouseClicked(MouseEvent arg)
        {
            int id= Integer.parseInt(choice1.getSelectedItem());
            try
            {
                Connectionclass obj1 =new Connectionclass();
                String q1= "select Name from add_customer where
Customer_id='"+id+"'";
                ResultSet rest1 = obj1.stm.executeQuery(q1);
                while(rest1.next())
                {
                    jTextField1.setText(rest1.getString("Name"));

                }
            }
            catch(Exception exx)
            {
                exx.printStackTrace();
            }
        }
    });

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

```

```

jLabel2.setBackground(new java.awt.Color(0, 0, 0));
jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 51, 51));
jLabel2.setText("----CUSTOMER RECEIPT---");

```

```

jLabel1.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
jLabel1.setText("Customer ID:");

```

```

jLabel3.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
jLabel3.setText("Customer_Name");

```

```

jTextField1.setText("jTextField1");
jTextField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField1ActionPerformed(evt);
    }
});

```

```

jButton1.setBackground(new java.awt.Color(153, 255, 255));
jButton1.setText("Print");
jButton1.setActionCommand("Print");

```

```

jButton2.setBackground(new java.awt.Color(255, 51, 0));

```

```

jButton2.setText("Cancle");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

        int id= Integer.parseInt(choice1.getSelectedItem());
        new customer_receipt().setVisible(true);
    }
});

jButton2.setBackground(new java.awt.Color(255, 0, 51));
jButton2.setText("Cancle");

jButton2.addActionListener(new ActionListener() {

    @Override
    public void actionPerformed(ActionEvent e) {
        // TODO Auto-generated method stub

        dispose();

    }

});

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(27, 27, 27)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE,
83, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel3))
            .addGap(55, 55, 55)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jButton1)
                .addGap(18, 18, 18)
                .addComponent(jButton2))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G, false)

```

```

        .addComponent(choice1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jTextField1,
javax.swing.GroupLayout.DEFAULT_SIZE, 142, Short.MAX_VALUE)))
        .addContainerGap(58, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup())
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE,
195, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(97, 97, 97))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
        .addGap(16, 16, 16)
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE,
35, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(31, 31, 31)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1)
        .addComponent(choice1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(24, 24, 24)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel3)
        .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(38, 38, 38)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton1)
        .addComponent(jButton2))
        .addContainerGap(91, Short.MAX_VALUE))
    );

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

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

```

```

    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {

        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(customer_search.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

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

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

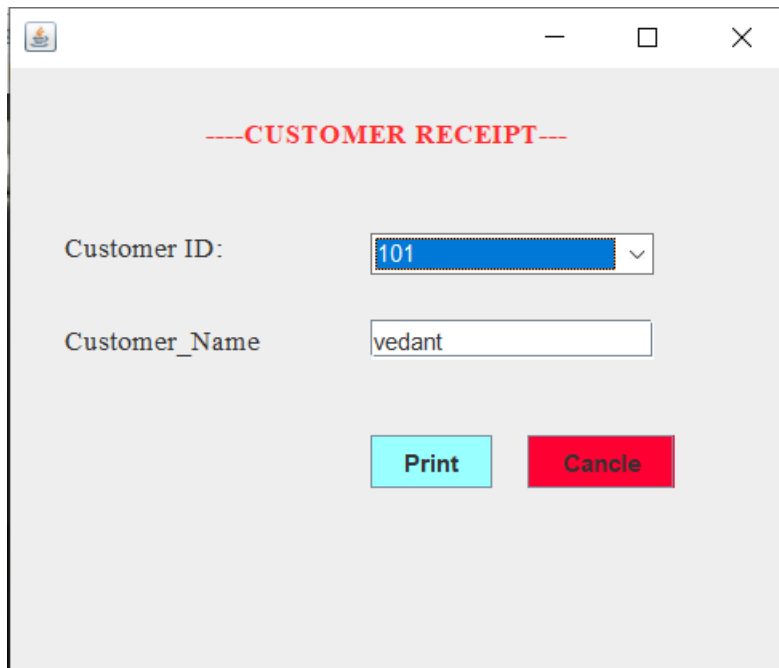
            java.util.logging.Logger.getLogger(customer_search.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }

        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new customer_search().setVisible(true);
            }
        });
    }

    java.awt.Choice choice1;
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JTextField jTextField1;
    // End of variables declaration
}

```

Ouput of Customer Search



A screenshot of a software window titled "Customer Receipt". The window has a standard Windows-style title bar with a minimize button, a maximize button, and a close button. The main content area has a light gray background. At the top, the text "----CUSTOMER RECEIPT----" is displayed in red. Below this, there are two input fields. The first is labeled "Customer ID:" and contains the value "101" in a blue dropdown menu. The second is labeled "Customer_Name" and contains the value "vedant" in a white text box. At the bottom of the window, there are two buttons: a cyan "Print" button and a red "Cancle" button.

----CUSTOMER RECEIPT----

Customer ID: 101

Customer_Name vedant

Print Cancle

- **Customer Receipt**

```
package gym_management_system;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.event.WindowEvent;
import java.awt.event.WindowListener;

import javax.swing.*;
import javax.swing.border.Border;

import java.sql.*;

public class customer_receipt extends JFrame implements WindowListener
{

    public customer_receipt() {
        initComponents();
    }

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

        jProgressBar1 = new javax.swing.JProgressBar();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();
        jLabel12 = new javax.swing.JLabel();
        jLabel13 = new javax.swing.JLabel();
    }
}
```

```
jLabel14 = new javax.swing.JLabel();
jLabel15 = new javax.swing.JLabel();
jLabel16 = new javax.swing.JLabel();
jLabel17 = new javax.swing.JLabel();
jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jLabel18 = new javax.swing.JLabel();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
jLabel1.setBackground(new java.awt.Color(0, 0, 0));
jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 18)); //
NOI18N
jLabel1.setForeground(new java.awt.Color(255, 0, 51));
jLabel1.setText("----CUSTOMER RECEIPT---");
```

```
jLabel2.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
jLabel2.setText("Name:-");
```

```
jLabel3.setText("-----
-----");
```

```
jLabel5.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
jLabel5.setText("Cutomer ID:");
```

```
jLabel6.setFont(new java.awt.Font("Times New Roman", 1, 14)); //
NOI18N
jLabel6.setText("jLabel6");
```

```
jLabel7.setFont(new java.awt.Font("Times New Roman", 1, 14)); //
NOI18N
jLabel7.setText("jLabel7");
```

```
jLabel8.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
jLabel8.setText("Address:");
```

```
jLabel9.setFont(new java.awt.Font("Times New Roman", 1, 14)); //
NOI18N
```

```

jLabel9.setText("jLabel9");

jLabel10.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
jLabel10.setText("Contact no:");

jLabel11.setFont(new java.awt.Font("Times New Roman", 1, 14)); //
NOI18N
jLabel11.setText("jLabel11");

jLabel12.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
jLabel12.setText("Payment Plan:");

jLabel13.setFont(new java.awt.Font("Times New Roman", 1, 14)); //
NOI18N
jLabel13.setText("jLabel13");

jLabel14.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
jLabel14.setText("Member Category:");

jLabel15.setFont(new java.awt.Font("Times New Roman", 1, 14)); //
NOI18N
jLabel15.setText("jLabel15");

jLabel16.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
jLabel16.setText("Fee");

jLabel17.setFont(new java.awt.Font("Times New Roman", 1, 14)); //
NOI18N
jLabel17.setText("jLabel17");
this.addWindowListener(this);

jButton1.setBackground(new java.awt.Color(0, 204, 204));
jButton1.setText("Ok");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
        System.out.println("Oky customer search");
        new customer_receipt();
        dispose();
    }
}

```

```

    });

    jButton2.setBackground(new java.awt.Color(255, 0, 51));
    jButton2.setText("Cancle");
    jButton2.addActionListener(new ActionListener() {

        @Override
        public void actionPerformed(ActionEvent e) {
            // TODO Auto-generated method stub
            dispose();

        }

    });

    jLabel18.setText("-----
    -----");

    javax.swing.GroupLayout layout = new
    javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(37, 37, 37)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addGroup(layout.createSequentialGroup()

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addGroup(layout.createSequentialGroup()

        .addComponent(jLabel2,

```

```

javax.swing.GroupLayout.PREFERRED_SIZE, 48,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel5,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel10,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addComponent(jLabel16,
javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel12,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel14,
javax.swing.GroupLayout.DEFAULT_SIZE, 118, Short.MAX_VALUE))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.LEADING, false)
    .addGroup(layout.createSequentialGroup()
        .addGap(48, 48, 48)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.TRAILING)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.LEADING, false)
    .addComponent(jLabel13,
javax.swing.GroupLayout.DEFAULT_SIZE, 199, Short.MAX_VALUE)
    .addComponent(jLabel15,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel17,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addComponent(jLabel6,
javax.swing.GroupLayout.PREFERRED_SIZE, 199,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel7,
javax.swing.GroupLayout.PREFERRED_SIZE, 199,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,

```

```
layout.createSequentialGroup()
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.REL  
ATED, javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)
```

```
.addComponent(jLabel11,  
javax.swing.GroupLayout.PREFERRED_SIZE, 199,  
javax.swing.GroupLayout.PREFERRED_SIZE)))  
.addGroup(layout.createSequentialGroup()  
.addComponent(jLabel8,  
javax.swing.GroupLayout.PREFERRED_SIZE, 84,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.REL  
ATED, javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)
```

```
.addComponent(jLabel9,  
javax.swing.GroupLayout.PREFERRED_SIZE, 199,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.REL  
ATED, javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)
```

```
.addComponent(jLabel4,  
javax.swing.GroupLayout.PREFERRED_SIZE, 212,  
javax.swing.GroupLayout.PREFERRED_SIZE))  
.addGroup(layout.createSequentialGroup()  
.addGap(23, 23, 23)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignm  
ent.LEADING)
```

```
.addGroup(layout.createSequentialGroup()  
.addGap(21, 21, 21)  
.addComponent(jButton1)  
.addGap(18, 18, 18)  
.addComponent(jButton2))  
.addComponent(jLabel3,  
javax.swing.GroupLayout.PREFERRED_SIZE, 357,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
.addComponent(jLabel18,  
javax.swing.GroupLayout.PREFERRED_SIZE, 379,  
javax.swing.GroupLayout.PREFERRED_SIZE)))  
.addGroup(layout.createSequentialGroup()
```

```

        .addGap(72, 72, 72)
        .addComponent(jLabel1)))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel3)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(2, 2, 2)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel2)
        .addComponent(jLabel6)))
        .addGroup(layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel4)))
        .addGap(18, 18, Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel5)
        .addComponent(jLabel7))
        .addGap(18, 18, 18)

```

```

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.BASELINE)
        .addComponent(jLabel8)
        .addComponent(jLabel9))
.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.BASELINE)
        .addComponent(jLabel10)
        .addComponent(jLabel11))
.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.LEADING)
        .addComponent(jLabel12)
        .addComponent(jLabel13))
.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.LEADING)
        .addComponent(jLabel14)
        .addComponent(jLabel15))
.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.LEADING)
        .addComponent(jLabel16)
        .addComponent(jLabel17))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELA
TED, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel18)
        .addGap(18, 18, Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.BASELINE)
        .addComponent(jButton1)
        .addComponent(jButton2))
.addGap(28, 28, 28)
);

pack();

```



```

    }// </editor-fold>

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

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting
        code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the
        default look and feel.
         * For details see
        http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
            javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {

                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

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

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

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

            java.util.logging.Logger.getLogger(customer_receipt.class.getName()).lo

```

```

g(java.util.logging.Level.SEVERE, null, ex);
    }
//</editor-fold>

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

// Variables declaration - do not modify
javax.swing.JButton jButton1;
javax.swing.JButton jButton2;
javax.swing.JLabel jLabel1;
javax.swing.JLabel jLabel10;
javax.swing.JLabel jLabel11;
javax.swing.JLabel jLabel12;
javax.swing.JLabel jLabel13;
javax.swing.JLabel jLabel14;
javax.swing.JLabel jLabel15;
javax.swing.JLabel jLabel16;
javax.swing.JLabel jLabel17;
javax.swing.JLabel jLabel18;
javax.swing.JLabel jLabel2;
javax.swing.JLabel jLabel3;
javax.swing.JLabel jLabel4;
javax.swing.JLabel jLabel5;
javax.swing.JLabel jLabel6;
javax.swing.JLabel jLabel7;
javax.swing.JLabel jLabel8;
javax.swing.JLabel jLabel9;
javax.swing.JProgressBar jProgressBar1;
// End of variables declaration
@Override
public void windowOpened(WindowEvent e) {

    customer_search cs=new customer_search();
    int id=Integer.parseInt(cs.choice1.getSelectedItem());
    System.out.println(id);
    Connectionclass ob=new Connectionclass();
    String q="select * from add_customer where

```

```

Cutomer_id="" + id + "";
    try {
        ResultSet res = ob.stm.executeQuery(q);
        while(res.next())
        {
            jLabel6.setText(res.getString("Name"));
            jLabel7.setText(res.getString("Cutomer_id"));
            jLabel9.setText(res.getString("Address"));
            jLabel11.setText(res.getString("Contact_no"));
            jLabel13.setText(res.getString("Payment_plan"));
            jLabel15.setText(res.getString("Member_category"));

        }

    } catch (SQLException e1) {
        // TODO Auto-generated catch block
        e1.printStackTrace();
    }

    String q2 = "Select fees from pay_customer where
Cutomer_id="" + id + "";
    try
    {
        ResultSet res2 = ob.stm.executeQuery(q2);
        while(res2.next())
        {
            jLabel17.setText(res2.getString("fees"));
        }

    }
    catch(Exception e2)
    {
        System.out.println(e);
    }

    // TODO Auto-generated method stub

}

@Override
public void windowClosing(WindowEvent e) {
    // TODO Auto-generated method stub

}

```

```
@Override
public void windowClosed(WindowEvent e) {
    // TODO Auto-generated method stub
```

```
}
```

```
@Override
public void windowIconified(WindowEvent e) {
    // TODO Auto-generated method stub
```

```
}
```

```
@Override
public void windowDeiconified(WindowEvent e) {
    // TODO Auto-generated method stub
```

```
}
```

```
@Override
public void windowActivated(WindowEvent e) {
    // TODO Auto-generated method stub
```

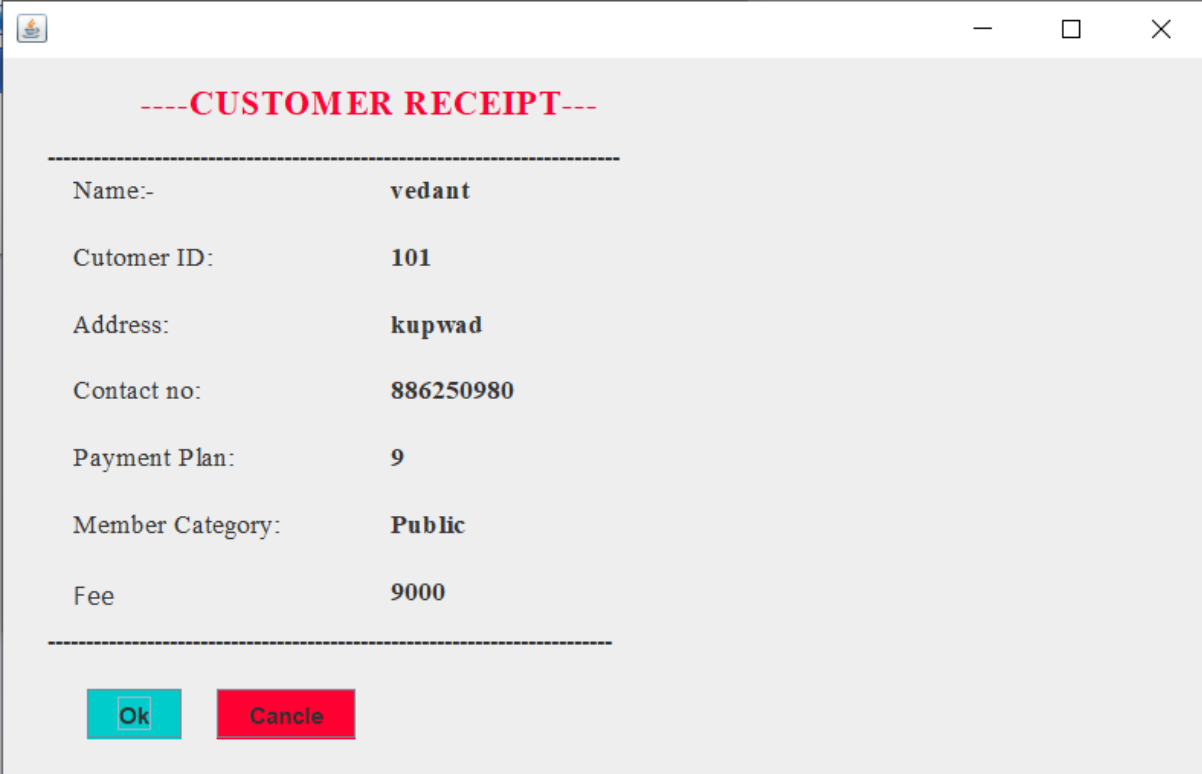
```
}
```

```
@Override
public void windowDeactivated(WindowEvent e) {
    // TODO Auto-generated method stub
```

```
}
```

```
}
```

Output of Customer Receipt:

A screenshot of a software window titled "Customer Receipt". The window has a standard title bar with a minimize button, a maximize button, and a close button. The main content area has a light gray background. At the top, the text "----CUSTOMER RECEIPT----" is displayed in red. Below this, a table of customer information is shown, separated by dashed lines. The table has two columns: labels and values. The labels are "Name:-", "Cutomer ID:", "Address:", "Contact no:", "Payment Plan:", "Member Category:", and "Fee". The values are "vedant", "101", "kupwad", "886250980", "9", "Public", and "9000". At the bottom of the window, there are two buttons: "Ok" (cyan) and "Cancle" (red).

----CUSTOMER RECEIPT----	
Name:-	vedant
Cutomer ID:	101
Address:	kupwad
Contact no:	886250980
Payment Plan:	9
Member Category:	Public
Fee	9000

Ok Cancle

- **Trainer Search**

```
package gym_management_system;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.event.MouseAdapter;
import java.awt.event.MouseEvent;

import javax.swing.*;
import javax.swing.border.Border;

import java.sql.*;
public class trainer_search extends JFrame{

    public trainer_search() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        choice1 = new java.awt.Choice();
        jTextField1 = new javax.swing.JTextField();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        jButton1.setBackground(new java.awt.Color(153, 255, 255));
        jButton1.setText("Print");
        jButton2.setBackground(new java.awt.Color(255, 51, 0));
        jButton2.setText("Cancle")
        jLabel2.setBackground(new java.awt.Color(0, 0, 0));
        jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 51, 51));
        jLabel2.setText("----TRAINER RECEIPT---");
        jLabel1.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
        jLabel1.setText("Trainer ID:");
        jLabel3.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
        jLabel3.setText("Trainer_Name");
        jTextField1.setText("jTextField1");
        choice1= new Choice();
        try{
            Connectionclass obj =new Connectionclass();
            String q= "select Trainer_id from add_trainer";
            ResultSet rest = obj.stm.executeQuery(q);
            while(rest.next())
```

```

        {
            choice1.add(rest.getString("Trainer_id"));
        }
    }
    catch(Exception ex)
    {
        ex.printStackTrace();
    }
    choice1.addMouseListener(new MouseAdapter() {
    public void mouseClicked(MouseEvent ee)
        {
            int id= Integer.parseInt(choice1.getSelectedItem());
try
{
    Connectionclass obj1 =new Connectionclass();
    String q1= "select Name from add_trainer where Trainer_id='"+id+"'";
    ResultSet rest1 = obj1.stm.executeQuery(q1);
    while(rest1.next())
    {
        jTextField1.setText(rest1.getString("Name"));

    }

}
catch(Exception exx)
{
    exx.printStackTrace();
}

});
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

        new trainer_receipt().setVisible(true);
    }
});

jButton2.setBackground(new java.awt.Color(255, 0, 51));
jButton2.setText("Cancle");
jButton2.addActionListener(new ActionListener() {

    @Override
    public void actionPerformed(ActionEvent e) {
        // TODO Auto-generated method stub
        dispose();

    }

});
javax.swing.GroupLayout layout = new

```

```

javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(27, 27, 27)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE,
83, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel3))
                .addGap(55, 55, 55)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .addComponent(jButton1)
                        .addGap(18, 18, 18)
                        .addComponent(jButton2))
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(choice1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jTextField1,
javax.swing.GroupLayout.DEFAULT_SIZE, 142, Short.MAX_VALUE)))
                .addGap(72, 72, 72)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE,
195, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(97, 97, 97))
            );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(16, 16, 16)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE,
35, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(31, 31, 31)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel1)
                    .addComponent(choice1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(24, 24, 24)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```



```

        .addComponent(jLabel3)
        .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(38, 38, 38)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton1)
        .addComponent(jButton2))
        .addContainerGap(91, Short.MAX_VALUE))
    );
    pack();
} // </editor-fold>

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

public static void main(String args[]) {
    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(trainer_search.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

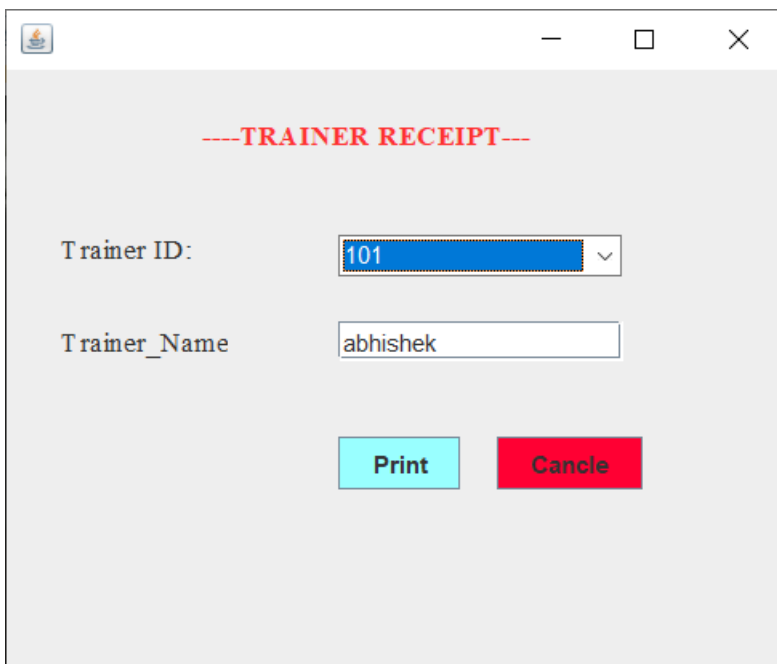
java.util.logging.Logger.getLogger(trainer_search.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(trainer_search.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new trainer_search().setVisible(true);
        }
    });
}

```

```
    });  
}  
  
// Variables declaration - do not modify  
java.awt.Choice choice1;  
private javax.swing.JButton jButton1;  
private javax.swing.JButton jButton2;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel3;  
private javax.swing.JTextField jTextField1;  
// End of variables declaration  
}
```

Output of Trainer Search



The screenshot shows a Java Swing window with a title bar containing a small icon and standard window controls (minimize, maximize, close). The window's content area has a light gray background and displays the following elements:

- A red title "----TRAINER RECEIPT----" centered at the top.
- A label "Trainer ID:" followed by a blue dropdown menu showing the value "101".
- A label "Trainer_Name" followed by a white text input field containing the text "abhishek".
- Two buttons at the bottom: a cyan "Print" button and a red "Cancle" button.

- **Trainer Receipt**

```
package gym_management_system;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.event.WindowEvent;
import java.awt.event.WindowListener;

import javax.swing.*;
import javax.swing.border.Border;

import java.sql.*;
public class trainer_receipt extends JFrame implements WindowListener{

    /*
     * 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
     */

    /**
     *
     * @author Admin
     */

    /**
     * Creates new form trainer_receipt
     */
    public trainer_receipt() {
        initComponents();
    }

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

        jLabel10 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jLabel11 = new javax.swing.JLabel();
        jButton2 = new javax.swing.JButton();
        jLabel12 = new javax.swing.JLabel();
        jLabel13 = new javax.swing.JLabel();
        jLabel14 = new javax.swing.JLabel();
    }
```

```

jLabel15 = new javax.swing.JLabel();
jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel16 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jLabel17 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jLabel10.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
jLabel10.setText("Contact no:");

jButton1.setBackground(new java.awt.Color(0, 204, 204));
jButton1.setText("Ok");

jLabel11.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel11.setText("jLabel11");

jButton2.setBackground(new java.awt.Color(255, 0, 51));
jButton2.setText("Cancle");

jLabel12.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
jLabel12.setText("Payment Plan:");

jLabel13.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel13.setText("jLabel13");

jLabel14.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
jLabel14.setText("Member Category:");

jLabel15.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel15.setText("jLabel15");

jLabel1.setBackground(new java.awt.Color(0, 0, 0));
jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 0, 51));
jLabel1.setText("----TRAINER RECEIPT---");

jLabel2.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
jLabel2.setText("Name:-");

jLabel3.setText("-----");
-----");

```

```

jLabel5.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
jLabel5.setText("Trainer ID:");

jLabel6.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel6.setText("jLabel6");

jLabel7.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel7.setText("jLabel7");

jLabel8.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
jLabel8.setText("Address:");

jLabel16.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
jLabel16.setText("Fee");

jLabel9.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel9.setText("jLabel9");

jLabel17.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel17.setText("jLabel17");

jLabel4.setText("-----");
-----");
this.addWindowListener(this);

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel3, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(layout.createSequentialGroup()
            .addGap(92, 92, 92)
            .addComponent(jLabel1)
            .addGap(Short.MAX_VALUE, Short.MAX_VALUE, Short.MAX_VALUE)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addGap(452, 452, 452)
                .addGroup(layout.createSequentialGroup()
                    .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
452, Short.MAX_VALUE)
                    .addGroup(layout.createSequentialGroup()
                        .addGap(35, 35, 35)

```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addGroup(layout.createSequentialGroup()
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addComponent(jLabel2,  
    javax.swing.GroupLayout.PREFERRED_SIZE, 48,  
    javax.swing.GroupLayout.PREFERRED_SIZE)  
    .addComponent(jLabel5,  
    javax.swing.GroupLayout.PREFERRED_SIZE, 118,  
    javax.swing.GroupLayout.PREFERRED_SIZE)  
    .addComponent(jLabel8,  
    javax.swing.GroupLayout.PREFERRED_SIZE, 84,  
    javax.swing.GroupLayout.PREFERRED_SIZE)  
    .addComponent(jLabel10,  
    javax.swing.GroupLayout.PREFERRED_SIZE, 118,  
    javax.swing.GroupLayout.PREFERRED_SIZE)  
    .addComponent(jLabel12,  
    javax.swing.GroupLayout.PREFERRED_SIZE, 118,  
    javax.swing.GroupLayout.PREFERRED_SIZE)  
    .addComponent(jLabel14,  
    javax.swing.GroupLayout.PREFERRED_SIZE, 118,  
    javax.swing.GroupLayout.PREFERRED_SIZE)  
    .addComponent(jLabel16,  
    javax.swing.GroupLayout.PREFERRED_SIZE, 43,  
    javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,  
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,  
    false)
```

```
    .addComponent(jLabel6,  
    javax.swing.GroupLayout.DEFAULT_SIZE, 199, Short.MAX_VALUE)  
    .addComponent(jLabel7,  
    javax.swing.GroupLayout.DEFAULT_SIZE, 199, Short.MAX_VALUE)  
    .addComponent(jLabel9,  
    javax.swing.GroupLayout.DEFAULT_SIZE, 199, Short.MAX_VALUE)  
    .addComponent(jLabel11,  
    javax.swing.GroupLayout.DEFAULT_SIZE, 199, Short.MAX_VALUE)  
    .addComponent(jLabel13,  
    javax.swing.GroupLayout.DEFAULT_SIZE, 199, Short.MAX_VALUE)  
    .addComponent(jLabel15,  
    javax.swing.GroupLayout.DEFAULT_SIZE,  
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
    .addComponent(jLabel17,  
    javax.swing.GroupLayout.DEFAULT_SIZE,  
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))  
    .addGroup(layout.createSequentialGroup()
```

```

        .addComponent(jButton1)
        .addGap(29, 29, 29)
        .addComponent(jButton2)
        .addGap(0, 0, Short.MAX_VALUE))))))
    .addContainerGap()
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(12, 12, 12)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE,
25, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jLabel3)
        .addGap(2, 2, 2)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel6)
        .addComponent(jLabel2))
        .addGap(18, 18, 18)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel7)
        .addComponent(jLabel5))
        .addGap(18, 18, 18)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel9)
        .addComponent(jLabel8))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel11)
        .addComponent(jLabel10))
        .addGap(18, 18, 18)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel13)
        .addComponent(jLabel12))
        .addGap(18, 18, 18)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel15)

```

```

        .addComponent(jLabel14))
        .addGap(18, 18, 18)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel17)
        .addComponent(jLabel16))
        .addGap(5, 5, 5)
        .addComponent(jLabel4)

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton1)
        .addComponent(jButton2))
        .addContainerGap(28, Short.MAX_VALUE))
    );

    pack();
// </editor-fold>
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

        System.out.println("Oky customer search");
        dispose();
    }
});

jButton2.setBackground(new java.awt.Color(255, 0, 51));
jButton2.setText("Cancle");
jButton2.addActionListener(new ActionListener() {

    @Override
    public void actionPerformed(ActionEvent e) {
        // TODO Auto-generated method stub
        dispose();

    }

});
}

/**
 * @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(trainer_receipt.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(trainer_receipt.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(trainer_receipt.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(trainer_receipt.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
    }
}
//</editor-fold>

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

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;

```

```

private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
// End of variables declaration
@Override
public void windowOpened(WindowEvent e) {
    // TODO Auto-generated method stub
    trainer_search cs=new trainer_search();
    int id=Integer.parseInt(cs.choice1.getSelectedItemAt());
    System.out.println(id);
    Connectionclass ob=new Connectionclass();
    String q="select * from add_trainer where Trainer_id='"+id+"'";
    try {
        ResultSet res=ob.stm.executeQuery(q);
        while(res.next())
        {
            jLabel6.setText(res.getString("Name"));
            jLabel7.setText(res.getString("Trainer_id"));
            jLabel9.setText(res.getString("Address"));
            jLabel11.setText(res.getString("Contact_no"));
            jLabel13.setText(res.getString("Payment_plan"));
            jLabel15.setText(res.getString("Membership_category"));

        }
    } catch (SQLException e1) {
        // TODO Auto-generated catch block
        System.out.println(e);
    }
    String q2="select fees from fee_trainer where Trainer_id='"+id+"'";
    try
    {
        ResultSet res2=ob.stm.executeQuery(q2);
        while(res2.next())
        {
            jLabel17.setText(res2.getString("fees"));
        }
    }
}

```

```
        catch(Exception e2)
        {
            System.out.println(e);
        }
    }

    @Override
    public void windowClosing(WindowEvent e) {
        // TODO Auto-generated method stub

    }

    @Override
    public void windowClosed(WindowEvent e) {
        // TODO Auto-generated method stub

    }

    @Override
    public void windowIconified(WindowEvent e) {
        // TODO Auto-generated method stub

    }

    @Override
    public void windowDeiconified(WindowEvent e) {
        // TODO Auto-generated method stub

    }

    @Override
    public void windowActivated(WindowEvent e) {
        // TODO Auto-generated method stub

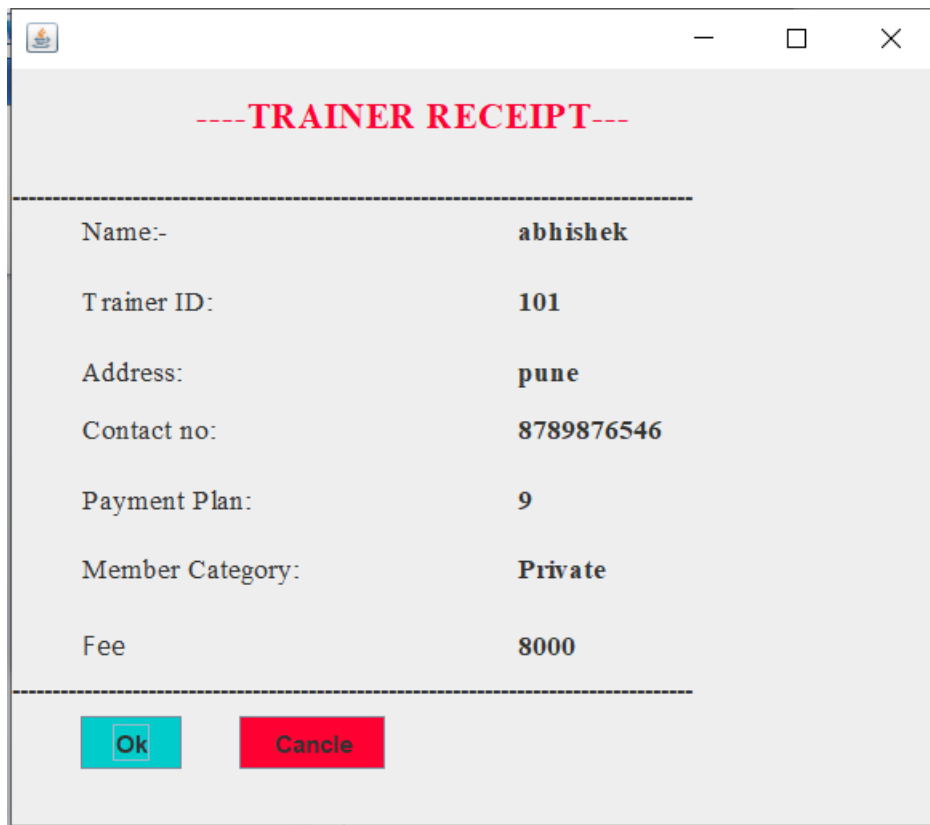
    }

    @Override
    public void windowDeactivated(WindowEvent e) {
        // TODO Auto-generated method stub

    }

}
```

Ouput of Trainer Receipt



A screenshot of a software window titled "Trainer Receipt". The window has a standard Windows-style title bar with a minimize button, a maximize button, and a close button. The main content area has a light gray background. At the top, the text "----TRAINER RECEIPT----" is displayed in red. Below this, a horizontal dashed line separates the header from the data. The data is presented in a list of labels and values: "Name:-" followed by "abhishek", "Trainer ID:" followed by "101", "Address:" followed by "pune", "Contact no:" followed by "8789876546", "Payment Plan:" followed by "9", "Member Category:" followed by "Private", and "Fee" followed by "8000". Another horizontal dashed line is below the last two items. At the bottom of the window, there are two buttons: a blue "Ok" button and a red "Cancle" button.

----TRAINER RECEIPT----	
Name:-	abhishek
Trainer ID:	101
Address:	pune
Contact no:	8789876546
Payment Plan:	9
Member Category:	Private
Fee	8000

Ok Cancle

- **Connection class**

```
package gym_management_system;
import java.sql.*;
public class Connectionclass {
    Connection conn;
    Statement stm;
    public Connectionclass() {
        // TODO Auto-generated constructor stub
        try
        {
            Class.forName("com.mysql.jdbc.Driver");
            conn=
DriverManager.getConnection("jdbc:mysql://localhost:3306/microproject_ajp","root","vedant07");
            stm= conn.createStatement();
        }
        catch(Exception e)
        {
            System.out.println(e);
        }
    }

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        new Connectionclass();
    }
}
```

ACTUAL RESOURCES USED

Sr. No.	Name of Resource / Material	Specification	Remark
1.	Computer System with broad specifications.	Intel Core I5 and later RAM 8GB, Windows 11 and later versions.	1
2.	Software	Eclipse IDE for Java development	1
3.	Any other resources used	Laser printer HP LaserJet Pro P1566 Printer.	1

SKILLS DEVELOPED

• **Java Programming Skills:** The project involves using Java programming language to develop Gym Management System, which can help developers enhance their skills in the language.

• **System Design and Development Skills:** The project involves designing and developing a system from scratch, which can help developers enhance their skills in software development, including system architecture, database design, and user interface design.

• **Testing and Quality Assurance Skills:** The project involves various testing methods to ensure the system meets all the requirements and functions as expected, which can help developers improve their skills in testing and quality assurance.

• **Project Management Skills:** The project involves managing the development process from start to finish, which can help developers enhance their skills in project management, including planning, resource allocation, and risk management.

• **Communication and Collaboration Skills:** The project involves working with stakeholders and team members, which can help developers enhance their communication and collaboration skills.

APPLICATIONS OF MICRO-PROJECT

1. **Actual Gym management system:** The system you have created can be used as a prototype for an actual Gym Management System. It can be customized and to streamline the registration process for new customers and trainer.
2. **Educational purposes:** The project can be used as a learning tool for students who are learning VB.NET programming, database management, and GUI development. It can help students understand how to develop a real-world application and apply programming concepts to solve practical problems.
3. **Customer data management:** The Gym Management System can be used to manage customer data in a systematic and efficient way. It can be used to store and retrieve customer information, track customer transactions, and generate reports based on customer data.
4. **Gym Management System:** The system you have created can be extended to develop an Gym Management System. This system can allow customers to add new customer and trainer ,update their data and retrieve fee information and so on.

FUTURE SCOPE

- It can be summarized that the future scope of the Gym Management System developed using Java can be quite promising.
1. Gym Management System can play a crucial role in assessing and reinforcing learning..
 2. We can give more user friendly system to user by adding some additional component which is available in java.
 3. We can also provide user test on the future by providing some questions related to Gym Management System.
 - 4.This system can provide easy access to data to the user ,management of data also simple.