

**A Project/Dissertation Review- Report
On**

Spending Tracker

*Submitted in partial fulfillment of the requirements
for the award of degree of*

**BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE & ENGINEERING**



Under the supervision of

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**SCHOOL OF COMPUTING SCIENCE AND
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CANDIDATE'S DECLARATION

I/We hereby certify that the work which is being presented in the thesis/project/dissertation, entitled **"SPENDING TRACKER"** in partial fulfillment of the requirements for the award of the B.TECH submitted in the School of Computing Science and Engineering of Galgotias University, Greater Noida, is an original work carried out during the period of JUNE 2021 to DECEMBER 2021, under the supervision of Dr. A. Daniel , Professor, Department of Computer Science and Engineering/Computer Application and Information and Science, of School of Computing Science and Engineering , Galgotias University, Greater Noida.

The matter presented in the thesis/project/dissertation has not been submitted by me/us for the award of any other degree of this or any other places.

Anmol Srivastava(18SCSE1010254)

Anjali Jaiswal(18SCSE1010248)

This is to certify that the above statement made by the candidates is correct to the best of my knowledge.

Dr. A Daniel

Professor

CERTIFICATE

The Final Thesis/Project/ Dissertation Viva-Voce examination of Anmol Srivastava (18SCSE1010254) and Anjali Jaiswal (18SCSE1010248) has been held on and his/her work is recommended for the award of B. Tech(CSE)

Signature of Examiner(s)

Signature of Supervisor(s)

Signature of Project Coordinator

Signature of Dean

Date: 18th December 2021

Place: Greater Noida

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In the accomplishment of completion of my project on Malware Scanner I would like to convey my special gratitude to Dr. A. Daniel of Computer Science Department.

Your valuable guidance and suggestions helped me in various phases of the completion of this project. I will always be thankful to you in this regard.

I am ensuring that this project was finished by me and not copied.

Anmol Srivastava(18SCSE1010254)

Anjali Jaiswal(18SCSE1010248)

ABSTRACT

Spending Tracker is a daily Spending management system which is specially designed for non-salaried and salaried personnel for keeping track of their daily expenditure with easy and effective way through computerized system which tends to eliminate manual paper works. It will also manage records in systematic way and user can access the stored data conveniently.

We have tried to design the window application in such way that user may not have any difficulty in using this application without much effort. This software can be really used by end user who have Window running devices with them. The language that we use to develop this system is Java(Apache Netbeans 11.3) and MySQL Workbench 8.0 CE for database.

This application is GUI(Graphics User Interface) based Application. If you are a Window user you can download the application and work according to it. This system will be used by any person to control their Income-Spending from Day-to-Day to Yearly Basics. And to keep a watch on their Spending. This application is very easy to use and it is mutli-lingual. The main feature of this applications is that you can keep track by the day wise and the category wise also. You can use it as per your choice of category.

Keywords : Literature review, Problem Formulation, Tools used for implementation, Features, Merits of Proposed System, Architecture Design for Purpose method, Implementation and Description of Project Modules, Progress Plan, References.

Table Of Contents

Title	Page No.
Candidates Declaration	1
Acknowledgement	2
Abstract	3
Contents	6
List of Figures	7
Chapter 1 Introduction	8
1.1 Introduction	
1.2 Formulation of Problem	9
1.2.1 Tool and Technology Used	10
Chapter 2 Literature Survey/Project Design	11
Chapter 3 Functionality/Working of Project	16
Chapter 4 Results and Discussion	75
Chapter 5 Conclusion and Future Scope	80
5.1 Conclusion	
5.2 Future Scope	80
Reference	81

LIST OF FIGURES

S.No.	Caption	Page No.
1.	Database Schema	12
2.	UML class diagram	13
3.	Sequence diagram	14
4.	Activity diagram	14
5.	Input Output diagram	15
6.	Welcome screen	75
7.	Adding new Spending Screen	76
8.	Adding new Category Screen	77
9.	View Spending frame Screen	77
10.	Application About Menu	78
11.	Application about section	78

CHAPTER I

Introduction

When it comes to tracking Spendings, you can make your system as simple as collecting receipts and organizing them once a month. You might get a little more information from other Spending tracking systems (listing them in a spreadsheet, using money management software or even choosing an online application), but all methods have one thing in common: you have to get in the habit of thinking about your spending. It's very easy to misplace a receipt or forget about any cash you spent. You may even think that a cup of coffee or a trip to the vending machine isn't worth tracking — although those little spending can add up amazingly fast. There are all sorts of opportunities to throw a kink into your plan to track spending. You have to get in the habit of doing so, to reduce those lapses, and make sure that the data you're basing financial decisions on is solid.

It's also worthwhile to track your income in the same system that you track your spending. This may seem like a no-brainer, because many people think that they only have one source of income: the salary that they receive from their job. In truth, however, most of us have additional sources of money, whether we hold a yearly garage sale, freelance or receive rebates. If you choose an application specifically created to track spending, you'll find that most have some sort of tool for inputting information about your income as well. If you decide to use a system of your own devising, such as a list of spending in a spreadsheet, you'll need to clearly separate income and spending — place them in different columns, make one negative or denote the difference in another way.

FORMULATION OF PROBLEM

Every earning people are mostly obsessed at the end of the month as the they cannot remember where all of their money have gone when they have spent and ultimately have to sustain in little money minimizing their essential needs. There is no as such complete solution present easily or we should say free of cost which enables a person to keep a track of its daily expenditure easily and notify them if they are going to have money shortage. To do so a person has to keep a log in a diary or in a computer, also all the calculations needs to be done by the user which may sometimes results in errors leading to losses. Due to lack of a complete tracking system, there is a constant overload to rely on the daily entry of the expenditure and total estimation till the end of themonth.

By this application, you can easily manage or formulate your spending by saving data in database ,whenever you want just have a look into it.

TOOLS AND TECHNOLOGY USED

Front End Tools

Apache NetBeans IDE 11.3: NetBeans is an open source and a free software development tool written in Java that develops world-class web, mobile, and desktop applications easily and quickly.

Back End Tools

JAVA: Java is a general-purpose computer-programming language that is concurrent, class-based, object-oriented, and specifically designed to have as few implementation dependencies as possible. As the back end tools java is used to provide functionality to the attributes displaying in UI.

MySQL Workbench 8.0 CE:-MySQL Workbench delivers visual tools for creating, executing, and optimizing SQL queries. The SQL Editor provides color syntax highlighting, auto-complete, reuse of SQL snippets, and execution history of SQL. The Database Connections Panel enables developers to easily manage standard database connections, including MySQL Fabric. The Object Browser provides instant access to database schema and objects .

CHAPTER 2

LITERATURE SURVEY / PROJECT DESIGN

Tracking daily Spending is not so innovative. Many traditional and technological approach is found to track our spending and budget with their own functionality. From decades ago and today we have been writing our expenditure in a register to calculate the profit or saving. Not only this many desktop and mobile applications has been developed for this purpose. Quicken and Microsoft money were the first desktop applications was developed decades ago but was not so familiar with the users. Personal capital and dollar bird application were used to visualize the Spendings in chart or graphs with the calendar system. QuickBooks were the application for the small business holder to wrap up their whole business. YNAB and Penny were the latest application which were embedded with AI and applicable for importing spending automatically. However, Mint was the one which was widely used and trusted.

Explaining about the latest application built in this category, YNAB is an Spending tracker that gives the automatic tracking of our Spending through our bank account or credit cards. We can also define spending that may take place in future so that we do

not go out of bound. This application is mobile friendly and is emerging since 2013. This application is embedded with AI to define and manage our daily spending.

This application does not give any detail information about our spending while our window application will get those information via text.

PROJECT DESIGN

We have developed the required system that works without internet. To use this system we need a database, a desktop, app and the user.

SystemDesign

Systems design is the process of defining the architecture, modules, interfaces, and data for a system to satisfy specified requirements. Systems design could be seen as the application of systems theory to product development.

Database Schema :-



Figure 1 : Database Schema

Fig-2.1

There are two tables in our application database which are category and spendings. In above diagram the tables covers all the variables defined in the table for the database.

DataDictionary

A data dictionary also known as metadata repository is a centralized repository of information about data such as meaning, relationship to other data, origin, usage and format.

S. N	Entity	Attribute	Data type	Constraints
1	spendi	eid	INT	Primary

	ngs	category	VARCHAR(50)	
		sdate	DATE	
		amount	INT	
2	categoryinfo	category	VARCHAR(50)	PRIMARY

Table 1: Data Dictionary

UML class diagram Class :-

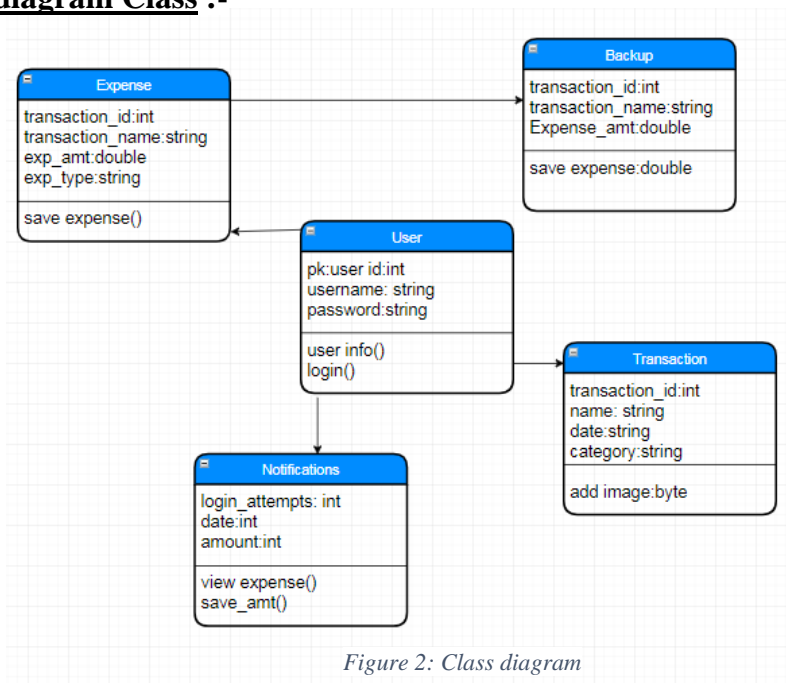


Figure 2: Class diagram

Fig-2.2

Spending Tracker application have five entities: Spending, user, backup, notification, transaction, which have their own data members and methods. Above diagram shows the flow of the functionality from entity to entity. Also, types of data members and methods of respective entity are mentioned above.

Sequence diagram :-

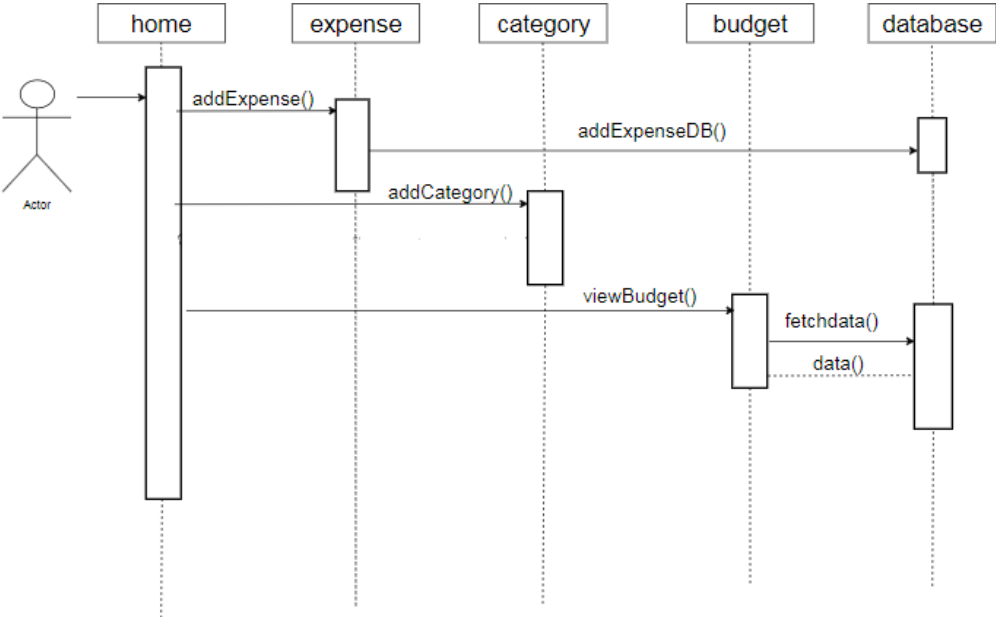


Fig- 2.3

Activity Diagram :-

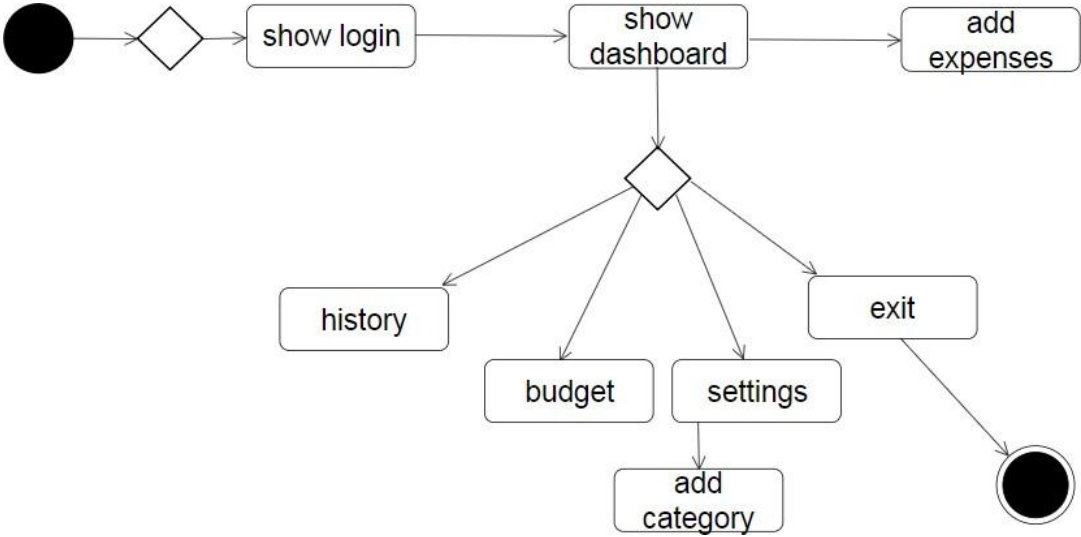


Fig-2.4

Input Output Diagram :-

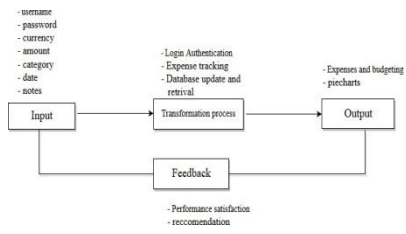


Fig-2

CHAPTER 3

FUNCTIONALITY/ WORKING OF PROJECT

The features of this application is that it is a window application ,and it is very easy to use .As it is a window application ,it contain four frames with different work

1.Main Window

A Starting page with welcome note appears at the first page and the window where user can add the Spending.

2.Add Category

The system shall allow the user to add category as per his/her choice.

3.Category Combo Box

This Combo Box contains all the category added by the user.

4.Remove Button

This Button delete any entry of last 20 days Spendings.

5.AddCategory Window

This window helps the user to easily interact with the category, where user can add and remove the category as per his choice.

6.Calender

The system shall allow users to add the date to their Spendings

7.View Spending Day wise/Category wise Window

This window allows the user to interact with the Spending according to day wise as well as category wise.

8.Menu option

This allows user to interact with other pages by just clicking on the menu option.

9.Search button

This allows user to search their Spendings according to category as well as date wise by clicking on the search button.

10.Refresh button

By clicking on this button user have to update the category.

MERITS OF PROPOSED SYSTEM

We have divided the merits in two ways :-

In Normal or Technical phase:

- User have to entry every record manually.
- The category divided may be blunder or messy.
- Person who is handling system must have some technical knowledge.

In Update of Category phase :

- As soon as user enter the category, user have to update the category in the Main Window by just clicking on the REFRESH button present in the Main Window.
- User have to press the REFRESH button each time.
- Person who is handing the application must have knowledge of entering the data according to Text field present.

Implementation Overview

Process Model Used :-

The waterfall model is a sequential approach, where each fundamental activity of a process represented as a separate phase, arranged in linear order. In the waterfall model, you must plan and schedule all of the activities before starting working on them (plan- driven process).

Waterfall model is used for the project because all the requirements are clear as this project is not dealing with the clients and hence beforehand planning can be made about how to carry out each phase of development.

Module Description

A modularization consists of well-defined manageable units with well-defined interfaces among the units.

Desirable property of modular system include

- a) Each module is a well-defined sub-system.
- b) Single, well – defined purpose of each module.
- c) Modules can be separately compiled and stored in a library.
- d) Modules can use another module.
- e) Modules should be easier to use than to build.
- f) Modules should be simpler from outside than from inside.

The project can be decomposed in following modules:

- a) **Welcome module:** This module is a starting page of this application.
- b) **Main window module:** This module is responsible for input the data and store in the database.
- c) **Add amount:** This module is responsible to enable the user to add amount in the database.
- d) **Delete Spending:** This module is responsible for deleting the previous 20 days Spendings.
- e) **View Spending:** This module is responsible for viewing all the spending in detail added to the log by the user earlier.
- f) **Add Module:** This module is responsible for editing the pre-defined category.
- g) **Categories module:** This module is responsible for various options. In this app users have options of selecting various basic Spending categories according to their choice.
- h) **Search module:** This module is responsible for adding notes and dates to the expenditure of user.

WORKING OF PROJECT AND CODE IMPLEMENTATION

For database connection :-

```
package DatabaseConnection;
import java.sql.*;
import javax.swing.JOptionPane;
public class DatabaseConnection {
    public static Connection conn;
    public static Statement st;
    static{
        try{

conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/Spendingdb"+"?useSSL
=false","root","hrg00000@");
        st=conn.createStatement();
        }catch(Exception ex){
            JOptionPane.showMessageDialog(null,ex);
        }
    }
}
```

All frames used in this project :-

1.For category window :-

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package Gui;
import java.sql.*;
import javax.swing.JOptionPane;
import static DatabaseConnection.DatabaseConnection.*;
/**
 *
 * @author Anmol
```

```

*/
public class Category extends javax.swing.JFrame {

    /**
     * Creates new form Category
     */
    public Category() {
initComponents();
clearEntries();
getEntries();
    }
    private void clearEntries()
    {
        t1.setText("");
    }
    private void getEntries()
    {
        try
        {
javax.swing.table.DefaultTableModel dtm=(javax.swing.table.DefaultTableModel)table1.getM
odel();
            int rc=dtm.getRowCount();
            while(rc--!=0)
            {
dtm.removeRow(rc);
            }
ResultSet rs=st.executeQuery("select * from categoryinfo");
            int sno=0;
            while(rs.next())
            {
                String cate=rs.getString("category");
                //Object o[]={ ++sno,category };
                //dtm.addRow(o);
java.util.Vector row=new java.util.Vector();
row.add(++sno);
row.add(cate);

```

```

dtm.addRow(row);
    }
    }catch(Exception ex)
    {
        JOptionPane.showMessageDialog(null,ex);
    }
}
/**
 * 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() {

    jScrollPane1 = new javax.swing.JScrollPane();
    table1 = new javax.swing.JTable();
    jPanel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jButton2 = new javax.swing.JButton();
    t1 = new javax.swing.JTextField();
    jLabel3 = new javax.swing.JLabel();
    jButton3 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
    setTitle("Category");
    setResizable(false);

    table1.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {

            },

```

```

        new String [] {
"S.No", "Category"
        }
    ) {
boolean[] canEdit = new boolean [] {
    false, false
};

    public boolean isCellEditable(int rowIndex, int columnIndex) {
        return canEdit [columnIndex];
    }
});
table1.getTableHeader().setReorderingAllowed(false);
jScrollPane1.setViewportViewView(table1);

jPanel1.setBackground(new java.awt.Color(102, 102, 102));

jPanel2.setBackground(new java.awt.Color(204, 204, 204));

jLabel2.setBackground(new java.awt.Color(255, 255, 255));
jLabel2.setFont(new java.awt.Font("Pristina", 1, 36)); // NOI18N
jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setText("Add New Category");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(65, 65, 65)
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 262,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(147, 147, 147)
            .addComponent(jLabel1)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))

```

```

);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup())

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(29, 29, 29)
        .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel2Layout.createSequentialGroup()
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 64,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE)))
        .addContainerGap()
);

jLabel4.setFont(new java.awt.Font("Segoe UI Semibold", 0, 18)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("Category :");

jButton2.setBackground(new java.awt.Color(51, 255, 0));
jButton2.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 18)); // NOI18N
jButton2.setText("ADD");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

t1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        t1ActionPerformed(evt);
    }
}

```

```

    });

    jLabel3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Gui/Icons/Category.jpg"))); // NOI18N

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(13, 13, 13)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 79,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, 424,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(13, 13, 13)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 89,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(t1, javax.swing.GroupLayout.PREFERRED_SIZE, 291,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 99,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(13, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(13, 13, 13)
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, 67,

```



```

javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 0,
Short.MAX_VALUE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(t1)
            .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGap(29, 29, 29))
    );

jButton3.setBackground(new java.awt.Color(255, 0, 0));
jButton3.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 18)); // NOI18N
jButton3.setText("REMOVE");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 510,
Short.MAX_VALUE)
            .addContainerGap())
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,

```

```

layout.createSequentialGroup()
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 108,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(33, 33, 33))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addContainerGap(173, Short.MAX_VALUE)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 182,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGap(6, 6, 6))
    .addGroup(layout.createSequentialGroup()
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(238, Short.MAX_VALUE)))
        );

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

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
try

```

```

    {
        String cate=t1.getText();
        if(!cate.equals(""))
        {
DatabaseConnection.DatabaseConnection.st.executeUpdate("insert into categoryinfo
values(""+cate+"");
            JOptionPane.showMessageDialog(null,"Category Added Successfully!");
getEntries();
clearEntries();
        }
        else
        {
            JOptionPane.showMessageDialog(null,"Category is blank!");
        }
    }
catch(SQLIntegrityConstraintViolationException ex)
{
    JOptionPane.showMessageDialog(null,"Category Already Exist!");
}catch(Exception ex)
{
    JOptionPane.showMessageDialog(null, ex);
}
}

private void t1ActionPerformed(java.awt.event.ActionEvent evt) {
    jButton2ActionPerformed(null);
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    int rindex=table1.getSelectedRow();
    if(rindex!=-1)
    {
        int answer=JOptionPane.showConfirmDialog(null,"Do you really want to
delete?","Deletion Confirmation!",JOptionPane.YES_NO_OPTION);
        if(answer==JOptionPane.YES_OPTION)
        {

```

```

String cate=(String)table1.getValueAt(rindex,1);
try{
    Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/Spendingdb"+"?useSSL=f
alse","root","hrg00000@");
    Statement st=conn.createStatement();
st.executeUpdate("delete from categoryinfo where category='"+cate+"'");
    JOptionPane.showMessageDialog(null,"Category Deleted Successfully!");
getEntries();
    }catch(Exception ex)
    {
        JOptionPane.showMessageDialog(null,ex);
    }
}
else
{
    JOptionPane.showMessageDialog(null,"Please select any Category first!");
}
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextField t1;
private javax.swing.JTable table1;
// End of variables declaration
}

```

2.For Splash Screen window :-

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

/**
 *
 * @author Anmol
 */
public class Splash extends javax.swing.JFrame {

    /**
     * Creates new form Splash
     */
    public Splash() {
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() {
```

```

jButton1 = new javax.swing.JButton();
jButton4 = new javax.swing.JButton();
jButton5 = new javax.swing.JButton();
jPanel2 = new javax.swing.JPanel();
jLabel2 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setTitle("Welcome to Spending Tracker");
setResizable(false);

jButton1.setBackground(new java.awt.Color(255, 0, 0));
jButton1.setFont(new java.awt.Font("Pristina", 0, 24)); // NOI18N
jButton1.setText("Next...");
jButton1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jButton1MouseClicked(evt);
    }
    public void mouseReleased(java.awt.event.MouseEvent evt) {
        jButton1MouseReleased(evt);
    }
});
jButton1.addComponentListener(new java.awt.event.ComponentAdapter() {
    public void componentHidden(java.awt.event.ComponentEvent evt) {
        jButton1ComponentHidden(evt);
    }
});
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton4.setBackground(new java.awt.Color(255, 204, 204));
jButton4.setFont(new java.awt.Font("Pristina", 0, 24)); // NOI18N
jButton4.setText("\nA Tracker that manages your Spendings (A Make in India Initiative)");

```

```

jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

jButton5.setBackground(new java.awt.Color(255, 255, 255));
jButton5.setFont(new java.awt.Font("Pristina", 1, 36)); // NOI18N
jButton5.setText("\nWelcome to Spending Tracker ");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

jLabel2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Gui/Icons/ayaneshu-bhardwaj-
OwOtokcHv90-unsplash.jpg"))); // NOI18N

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(0, 782, Short.MAX_VALUE)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 781,
Short.MAX_VALUE)
            );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(0, 512, Short.MAX_VALUE)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 512,

```

```

Short.MAX_VALUE))
    );

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addGap(0, 0, Short.MAX_VALUE)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 94,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(32, 32, 32))
        .addGroup(layout.createSequentialGroup()
        .addGap(147, 147, 147)
        .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 482,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(153, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 660,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE)))
    );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
        .addGap(157, 157, 157)
        .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 92,

```



```

javax.swing.GroupLayout.PREFERRED_SIZE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 149,
Short.MAX_VALUE)
    .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(22, 22, 22))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

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

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    new SpendingTracker().setVisible(true);
}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton1MouseClicked(java.awt.event.MouseEvent evt) {

}

private void jButton1MouseReleased(java.awt.event.MouseEvent evt) {

```

```

}

private void jButton1ComponentHidden(java.awt.event.ComponentEvent 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(Splash.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

```

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

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

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel2;
// End of variables declaration
}
```

3.For Main Window :-

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

import javax.swing.JOptionPane;
import java.sql.*;
import static DatabaseConnection.DatabaseConnection.*;
import javax.swing.JFrame;
/**
 *
 * @author Anmol
 */
public class SpendingTracker extends javax.swing.JFrame {

    /**
     * Creates new form SpendingTracker
     */
    public SpendingTracker() {
        initComponents();
        displayCategory();
        getEntries();
        clearEntries();
    }
}
```

```

d.setSelectableDateRange(null,newjava.util.Date());
d.setDate(new java.util.Date());
    //this.setExtendedState(JFrame.MAXIMIZED_BOTH);
    }
private void clearEntries()
{
a.setText("");
}
private void displayCategory()
{
    try
    {
        combo1.removeAllItems();
ResultSetrs=st.executeQuery("select * from categoryinfo");
        while(rs.next())
        {
            String cate=rs.getString("category");
            combo1.addItem(cate);
        }
    }catch(Exception ex)
    {
        JOptionPane.showMessageDialog(null,ex);
    }
}
private void getEntries()
{
    try{
javax.swing.table.DefaultTableModeldtm=(javax.swing.table.DefaultTableModel)table2.ge
tModel();
        int rc=dtm.getRowCount();
        while(rc--!=0)
        {
dtm.removeRow(0);
        }
java.time.LocalDate cd=java.time.LocalDate.now();
java.time.LocalDate bd=cd.minusDays(20);

```

```

ResultSetrs=st.executeQuery("select * from spendings where sdate<='"+cd+"' and
sdate>='"+bd+"' order by sdate asc");
    int total=0;
    while(rs.next())
    {
        int t=rs.getInt("amount");
        total+=t;
java.util.Vector row=new java.util.Vector();
row.add(rs.getInt("eid"));
row.add(rs.getDate("sdate"));
row.add(rs.getString("category"));
row.add(t);
dtm.addRow(row);
    }
    t1.setText(total+"");
}catch(SQLException ex)
{
    JOptionPane.showMessageDialog(null,ex);
}
}
/**
 * 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() {

    jPanel2 = new javax.swing.JPanel();
    jMonthChooser1 = new com.toedter.calendar.JMonthChooser();
    jLabel8 = new javax.swing.JLabel();
    jMenu1 = new javax.swing.JMenu();
    jMenu2 = new javax.swing.JMenu();
    jPanel1 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();

```

```

d = new com.toedter.calendar.JDateChooser();
jLabel3 = new javax.swing.JLabel();
a = new javax.swing.JTextField();
jLabel4 = new javax.swing.JLabel();
combo1 = new javax.swing.JComboBox<>();
jPanel3 = new javax.swing.JPanel();
jLabel5 = new javax.swing.JLabel();
jLabel1 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jButton5 = new javax.swing.JButton();
jLabel6 = new javax.swing.JLabel();
jScrollPane1 = new javax.swing.JScrollPane();
table2 = new javax.swing.JTable();
jButton3 = new javax.swing.JButton();
jPanel4 = new javax.swing.JPanel();
jLabel7 = new javax.swing.JLabel();
t1 = new javax.swing.JLabel();
jMenuBar1 = new javax.swing.JMenuBar();
jMenu3 = new javax.swing.JMenu();
jMenuItem1 = new javax.swing.JMenuItem();
jMenuItem2 = new javax.swing.JMenuItem();
jSeparator2 = new javax.swing.JPopupMenu.Separator();
jMenuItem3 = new javax.swing.JMenuItem();
jSeparator1 = new javax.swing.JPopupMenu.Separator();
jMenu4 = new javax.swing.JMenu();
jMenuItem4 = new javax.swing.JMenuItem();

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 100, Short.MAX_VALUE)
);

```

```

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 100, Short.MAX_VALUE)
);

jLabel8.setText("jLabel8");

jMenu1.setText("jMenu1");

jMenu2.setText("jMenu2");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("Spending Tracker");
setResizable(false);

jPanel1.setBackground(new java.awt.Color(102, 102, 102));
jPanel1.setBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new
java.awt.Color(51, 51, 51)));

jLabel2.setFont(new java.awt.Font("Segoe UI Semibold", 0, 18)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Date :");

jLabel3.setFont(new java.awt.Font("Segoe UI Semibold", 0, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Amount :");

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

a.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
aKeyTyped(evt);

```



```

    }
});

jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("Category :");

combo1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        combo1ActionPerformed(evt);
    }
});

jPanel3.setBackground(new java.awt.Color(255, 255, 255));

jPanel3.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

jLabel5.setBackground(new java.awt.Color(255, 255, 51));
jLabel5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Gui/Icons/Spending.jpg"))); // NOI18N

jLabel1.setFont(new java.awt.Font("Pristina", 1, 36)); // NOI18N
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("Add New Spending");

jLabel9.setBackground(new java.awt.Color(255, 255, 51));
jLabel9.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Gui/Icons/Spending.jpg"))); // NOI18N

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 296,

```

```

javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(18, 18, 18)
    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 256,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel9))
);
jPanel3Layout.setVerticalGroup(

```

```

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 0,
Short.MAX_VALUE)
    .addGroup(jPanel3Layout.createSequentialGroup())
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addContainerGap()
    .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 0,
Short.MAX_VALUE)
);

```

```

jButton1.setBackground(new java.awt.Color(255, 255, 102));
jButton1.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N
jButton1.setText("Add New Category");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

```

```

jButton2.setBackground(new java.awt.Color(51, 255, 0));
jButton2.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 18)); // NOI18N
jButton2.setText("ADD");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        jButton2ActionPerformed(evt);
    }
});

jButton5.setBackground(new java.awt.Color(255, 153, 51));
jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton5.setText("REFRESH");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(14, 14, 14)
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(d, javax.swing.GroupLayout.PREFERRED_SIZE, 140,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 92,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(a, javax.swing.GroupLayout.PREFERRED_SIZE, 121,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(27, 27, 27)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 93,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(jButton5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING, false)
        .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(combo1, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        .addGap(18, 18, 18)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 99,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(26, Short.MAX_VALUE))
.addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addContainerGap())
);
jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
        .addComponent(d, javax.swing.GroupLayout.PREFERRED_SIZE, 27,

```

```

javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE,
27, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE,
27, javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)
        .addComponent(a, javax.swing.GroupLayout.PREFERRED_SIZE, 27,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(combo1,
javax.swing.GroupLayout.PREFERRED_SIZE, 27,
javax.swing.GroupLayout.PREFERRED_SIZE)))

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING, false)
        .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
33, Short.MAX_VALUE)
        .addComponent(jButton5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(15, Short.MAX_VALUE)
);

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N
jLabel6.setText("Last 20 Days Spendings :-");

table2.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {

    },
    new String [] {
"ID", "Date", "Category", "Amount"

```

```

    }
  ){
boolean[] canEdit = new boolean [] {
    false, false, true, true
};

    public booleanisCellEditable(int rowIndex, int columnIndex) {
        return canEdit [columnIndex];
    }
});
table2.getTableHeader().setReorderingAllowed(false);
jScrollPane1.setViewportView(table2);

jButton3.setBackground(new java.awt.Color(255, 51, 51));
jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton3.setText("REMOVE");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jPanel4.setBackground(new java.awt.Color(102, 102, 102));

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel7.setForeground(new java.awt.Color(255, 255, 255));
jLabel7.setText("Total Amount :-");

t1.setBackground(new java.awt.Color(255, 255, 255));
t1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
t1.setForeground(new java.awt.Color(51, 255, 51));
t1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
t1.setText("0");

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);

```

```

jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel4Layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 133,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(t1, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(63, 63, 63))
    );
jPanel4Layout.setVerticalGroup(
jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel4Layout.createSequentialGroup()
        .addContainerGap()

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)
        .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE, 27,
Short.MAX_VALUE)
        .addComponent(t1))
        .addContainerGap())
    );

jMenu3.setText("Main");
jMenu3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenu3ActionPerformed(evt);
    }
});

jMenuItem1.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEven
t.VK_C, java.awt.event.InputEvent.SHIFT_MASK));
jMenuItem1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Gui/Icons/Category -Icon.jpg"))); //

```

NOI18N

```
jMenuItem1.setText("Add/View Category");
jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItem1ActionPerformed(evt);
    }
});
jMenu3.add(jMenuItem1);
```

```
jMenuItem2.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK_A, java.awt.event.InputEvent.SHIFT_MASK));
```

```
jMenuItem2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Gui/Icons/ViewSpending.jpg"))); //
```

NOI18N

```
jMenuItem2.setText("View All Spending");
jMenuItem2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItem2ActionPerformed(evt);
    }
});
jMenu3.add(jMenuItem2);
jMenu3.add(jSeparator2);
```

```
jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK_E, java.awt.event.InputEvent.CTRL_MASK));
```

```
jMenuItem3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Gui/Icons/Exit-Icon.png"))); // NOI18N
```

```
jMenuItem3.setText("Exit");
jMenuItem3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItem3ActionPerformed(evt);
    }
});
jMenu3.add(jMenuItem3);
jMenu3.add(jSeparator1);
```



```

        jMenu4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Gui/Icons/More.jpg"))); // NOI18N
        jMenu4.setText("About...");
        jMenu4.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenu4ActionPerformed(evt);
            }
        });

        jMenuItem4.setText("About App");
        jMenuItem4.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuItem4ActionPerformed(evt);
            }
        });
        jMenu4.add(jMenuItem4);

        jMenu3.add(jMenu4);

        jMenuBar1.add(jMenu3);

setJMenuBar(jMenuBar1);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING)
            .addContainerGap())
);

```

```

        .addComponent(jPanel4, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addGroup(layout.createSequentialGroup())
            .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE,
194, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE,
112, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap()
    );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
181, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

```

```

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

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

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    try
    {
java.util.Date dt=d.getDate();
        String s1=a.getText();
        String s2=s1.trim();
        String c=(String)combo1.getSelectedItem();
        if(dt!=null && !s2.equals("") && !c.equals(""))
        {
            int amount=Integer.parseInt(s2);
java.sql.Date date=new java.sql.Date(dt.getTime());
DatabaseConnection.DatabaseConnection.st.executeUpdate("insert into
spendings(category,sdate,amount) values (""+c+"",""+date+"",""+amount+"");
            JOptionPane.showMessageDialog(null,"Spending Added Successfully!");
getEntries();
clearEntries();
        }
        else
        {
            JOptionPane.showMessageDialog(null,"Please fill all the details!");
        }
    }catch(Exception ex)
    {
        JOptionPane.showMessageDialog(null,ex);
    }
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

```

```

int rindex=table2.getSelectedRow();
if(rindex!=-1)
{
int answer=JOptionPane.showConfirmDialog(null,"Do you really want to
delete?","Deletion Confirmation!",JOptionPane.YES_NO_OPTION);
if(answer==JOptionPane.YES_OPTION)
{
int id=(int)table2.getValueAt(rindex,0);
try{
Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/Spendingdb"+"?useSSL
=false","root","hrg00000@");
Statement st=conn.createStatement();
st.executeUpdate("delete from spendings where eid="+id);
JOptionPane.showMessageDialog(null,"Category Deleted Successfully!");
getEntries();
} catch(Exception ex)
{
JOptionPane.showMessageDialog(null,ex);
}
}
else
{
JOptionPane.showMessageDialog(null,"Please select any Category first!");
}
}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
displayCategory();
}

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {
new Category().setVisible(true);
}

```

```

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {
    new ViewSpending().setVisible(true);
}

private void combo1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    new Category().setVisible(true);
}

private void aKeyTyped(java.awt.event.KeyEvent evt) {
    char ch=evt.getKeyChar();
    {
        if(!Character.isDigit(ch))
        {
            evt.consume();
        }
    }
}

private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {

}

private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {
System.exit(0);
}

private void jMenuItem4ActionPerformed(java.awt.event.ActionEvent evt) {

}

private void jMenuItem4ActionPerformed(java.awt.event.ActionEvent evt) {
    JOptionPane.showMessageDialog(null,"Developed By Anmol Srivastava and Anjali

```

```

Jaiswal(Student at Galgotias University)!");
    }

    /*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(SpendingTracker.class.getName()).log(java.util.logging
g.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

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

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

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

```

```

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

```

```

// Variables declaration - do not modify
private javax.swing.JTextField a;
private javax.swing.JComboBox<String> combo1;
private com.toedter.calendar.JDateChooser d;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton5;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JMenu jMenuItem1;
private javax.swing.JMenu jMenuItem2;
private javax.swing.JMenu jMenuItem3;
private javax.swing.JMenu jMenuItem4;
private javax.swing.JMenuBar jMenuItemBar1;
private javax.swing.JMenuItem jMenuItem1;
private javax.swing.JMenuItem jMenuItem2;
private javax.swing.JMenuItem jMenuItem3;
private javax.swing.JMenuItem jMenuItem4;

```

```

private com.toedter.calendar.JMonthChooser jMonthChooser1;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JPopupMenu.Separator jSeparator1;
private javax.swing.JPopupMenu.Separator jSeparator2;
private javax.swing.JLabel t1;
private javax.swing.JTable table2;
// End of variables declaration
}

```

4.For View Spending Window :-

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package Gui;
import java.sql.*;
import javax.swing.JOptionPane;
import static DatabaseConnection.DatabaseConnection.*;
/**
 *
 * @author Anmol
 */
public class ViewSpending extends javax.swing.JFrame {

/**

```



```

    * Creates new form ViewSpending
    */
    public ViewSpending() {
initComponents();
displayCategory();
        d1.setDate(new java.util.Date());
        d2.setDate(new java.util.Date());
        d3.setDate(new java.util.Date());
        d4.setDate(new java.util.Date());
    }
    private void displayCategory()
    {
        try
        {
            combo2.removeAllItems();
ResultSetrs=st.executeQuery("select * from categoryinfo");
            while(rs.next())
            {
                combo2.addItem(rs.getString("category"));
            }
        }catch(Exception ex)
        {
            JOptionPane.showMessageDialog(null,ex);
        }
    }
    /**
    * This method is called from within the constructor to initialize the form.
    * WARNING: Do NOT modify this code. The content of this method is always
    * regenerated by the Form Editor.
    */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jPanel5 = new javax.swing.JPanel();

```

```

jLabel4 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
jScrollPane2 = new javax.swing.JScrollPane();
table4 = new javax.swing.JTable();
jButton3 = new javax.swing.JButton();
jLabel9 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
d4 = new com.toedter.calendar.JDateChooser();
d3 = new com.toedter.calendar.JDateChooser();
jLabel11 = new javax.swing.JLabel();
combo2 = new javax.swing.JComboBox<>();
jLabel13 = new javax.swing.JLabel();
totalamount2 = new javax.swing.JLabel();
jPanel2 = new javax.swing.JPanel();
jPanel4 = new javax.swing.JPanel();
jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
d2 = new com.toedter.calendar.JDateChooser();
d1 = new com.toedter.calendar.JDateChooser();
jButton2 = new javax.swing.JButton();
jScrollPane1 = new javax.swing.JScrollPane();
table3 = new javax.swing.JTable();
jLabel12 = new javax.swing.JLabel();
totalamount1 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setTitle("View Spending");
setResizable(false);

jPanel1.setBackground(new java.awt.Color(102, 102, 102));

jPanel5.setBackground(new java.awt.Color(204, 204, 204));

```

```

jLabel5.setBackground(new java.awt.Color(255, 255, 255));
jLabel5.setFont(new java.awt.Font("Pristina", 1, 36)); // NOI18N
jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel5.setText("View Spending Category Wise");

jLabel6.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Gui/Icons/ViewSpending.jpg"))); //
NOI18N

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
jPanel5.setLayout(jPanel5Layout);
jPanel5Layout.setHorizontalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel5Layout.createSequentialGroup()
        .addGap()
        .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 408,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel4))
    );
jPanel5Layout.setVerticalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel5Layout.createSequentialGroup()
        .addGap(29, 29, 29)
        .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel5Layout.createSequentialGroup()

```

```

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 64,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap()
    );

    table4.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {

        },
        new String [] {
"Date", "Category", "Amount"
        }
    ) {
boolean[] canEdit = new boolean [] {
        false, false, false
    };

    public boolean isCellEditable(int rowIndex, int columnIndex) {
        return canEdit [columnIndex];
    }
});
table4.getTableHeader().setReorderingAllowed(false);
jScrollPane2.setViewportViewView(table4);

jButton3.setBackground(new java.awt.Color(51, 255, 0));
jButton3.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 18)); // NOI18N
jButton3.setText("SEARCH");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jLabel9.setFont(new java.awt.Font("Segoe UI Semibold", 0, 18)); // NOI18N

```

```
jLabel9.setForeground(new java.awt.Color(255, 255, 255));
jLabel9.setText("Category :");
```

```
jLabel10.setFont(new java.awt.Font("Segoe UI Semibold", 0, 18)); // NOI18N
jLabel10.setForeground(new java.awt.Color(255, 255, 255));
jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel10.setText("To :");
```

```
d3.addPropertyChangeListener(new java.beans.PropertyChangeListener() {
    public void propertyChange(java.beans.PropertyChangeEvent evt) {
        d3PropertyChange(evt);
    }
});
```

```
jLabel11.setFont(new java.awt.Font("Segoe UI Semibold", 0, 18)); // NOI18N
jLabel11.setForeground(new java.awt.Color(255, 255, 255));
jLabel11.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel11.setText("From :");
```

```
combo2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        combo2ActionPerformed(evt);
    }
});
```

```
jLabel13.setFont(new java.awt.Font("Segoe UI Semibold", 0, 18)); // NOI18N
jLabel13.setForeground(new java.awt.Color(255, 255, 255));
jLabel13.setText("Total Amount :");
```

```
totalamount2.setFont(new java.awt.Font("Segoe UI Semibold", 0, 18)); // NOI18N
totalamount2.setForeground(new java.awt.Color(255, 255, 255));
totalamount2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
totalamount2.setText("0");
```

```
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
```

```

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT_SIZE,
73, Short.MAX_VALUE)
    .addComponent(jLabel10, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(d3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(d4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
    .addComponent(jScrollPane2)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE,
103, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED_SIZE,
133, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(totalamount2,
javax.swing.GroupLayout.PREFERRED_SIZE, 133,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))

```

```

        .addGroup(jPanel1Layout.createSequentialGroup())
            .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE,
97, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(combo2, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
        .addContainerGap()
    );

    jPanel1Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new
java.awt.Component[] {jLabel13, totalamount2});

    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
                .addComponent(jPanel5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT_SIZE, 53,
Short.MAX_VALUE)
                .addComponent(combo2, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addComponent(d3, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

        .addGap(18, 18, 18)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(d4, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
            javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(totalamount2, javax.swing.GroupLayout.PREFERRED_SIZE,
            35, javax.swing.GroupLayout.PREFERRED_SIZE)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton3)
        .addComponent(jLabel13)))
        .addGap(18, 18, 18)
        .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE,
            179, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap()
    );

    jPanel1Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new
        java.awt.Component[] {jLabel13, totalamount2});

    jPanel2.setBackground(new java.awt.Color(255, 153, 51));

    jPanel4.setBackground(new java.awt.Color(204, 204, 204));

    jLabel2.setBackground(new java.awt.Color(255, 255, 255));
    jLabel2.setFont(new java.awt.Font("Pristina", 1, 36)); // NOI18N
    jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
    jLabel2.setText("View Spending Date Wise");

    jLabel3.setIcon(new

```



```

javax.swing.ImageIcon(getClass().getResource("/Gui/Icons/ViewSpending.jpg")); //
NOI18N

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
    jPanel4.setLayout(jPanel4Layout);
    jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel4Layout.createSequentialGroup()
        .addGap(0)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 72,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 343,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel1))
    );
    jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel4Layout.createSequentialGroup()
        .addGap(29, 29, 29)
        .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel4Layout.createSequentialGroup()
            .addGap(0)
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 64,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0))
    );

```

```

jLabel7.setFont(new java.awt.Font("Segoe UI Semibold", 0, 18)); // NOI18N
jLabel7.setForeground(new java.awt.Color(255, 255, 255));
jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel7.setText("From :");

jLabel8.setFont(new java.awt.Font("Segoe UI Semibold", 0, 18)); // NOI18N
jLabel8.setForeground(new java.awt.Color(255, 255, 255));
jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel8.setText("To :");

d1.addPropertyChangeListener(new java.beans.PropertyChangeListener() {
    public void propertyChange(java.beans.PropertyChangeEvent evt) {
        d1PropertyChange(evt);
    }
});

jButton2.setBackground(new java.awt.Color(51, 255, 0));
jButton2.setFont(new java.awt.Font("Tw Cen MT Condensed", 1, 18)); // NOI18N
jButton2.setText("SEARCH");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

table3.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {

    },
    new String [] {
        "Date", "Category", "Amount"
    }
) {
    boolean[] canEdit = new boolean [] {
        false, false, false
    };
};

```

```

        public boolean isCellEditable(int rowIndex, int columnIndex) {
            return canEdit [columnIndex];
        }
    });
    table3.getTableHeader().setReorderingAllowed(false);
    jScrollPane1.setViewportViewView(table3);

    jLabel12.setFont(new java.awt.Font("Segoe UI Semibold", 0, 18)); // NOI18N
    jLabel12.setForeground(new java.awt.Color(255, 255, 255));
    jLabel12.setText("Total Amount :");

    totalamount1.setFont(new java.awt.Font("Segoe UI Semibold", 0, 18)); // NOI18N
    totalamount1.setForeground(new java.awt.Color(255, 255, 255));
    totalamount1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    totalamount1.setText("0");

    javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(

    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE,
103, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED_SIZE,
136, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(totalamount1,
javax.swing.GroupLayout.PREFERRED_SIZE, 133,
javax.swing.GroupLayout.PREFERRED_SIZE)
            )
        )
    );

```

```

        .addGap(0, 0, Short.MAX_VALUE))
        .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(jPanel2Layout.createSequentialGroup())

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE,
63, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel8,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 63,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addComponent(d2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(d1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap()
    );

    jPanel2Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new
java.awt.Component[] {jLabel7, jLabel8});

    jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addContainerGap()

```

```

        .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING, false)
        .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE, 36,
Short.MAX_VALUE)
        .addComponent(d1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
        .addComponent(jLabel8, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(d2, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)
        .addComponent(jButton2)
        .addComponent(jLabel12, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(totalamount1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(12, 12, 12)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
239, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap()
    );

jPanel2Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new
java.awt.Component[] {jLabel7, jLabel8});

```

```

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap())
        );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );

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

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    try

```

```

    {
    javax.swing.table.DefaultTableModel dtm=(javax.swing.table.DefaultTableModel)table3.get
    tModel();
        int rc=dtm.getRowCount();
        while(rc--!=0)
        {
dtm.removeRow(0);
        }
    java.sql.Date dt1=new java.sql.Date(d1.getDate().getTime());
    java.sql.Date dt2=new java.sql.Date(d2.getDate().getTime());
    ResultSetsrs=st.executeQuery("select * from spendings where sdate>='"+dt1+"' and
    sdate<='"+dt2+"' order by sdate asc");
        int total=0;
        while(rs.next())
        {
            int t=rs.getInt("amount");
            total+=t;
    java.util.Vector row=new java.util.Vector();
    row.add(rs.getDate("sdate"));
    row.add(rs.getString("category"));
    row.add(t);
    dtm.addRow(row);
        }
        totalamount1.setText(total+"");
    }catch(Exception ex)
    {
        JOptionPane.showMessageDialog(null,ex);
    }
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    try
    {
    javax.swing.table.DefaultTableModel dtm=(javax.swing.table.DefaultTableModel)table4.ge
    tModel();
        int rc=dtm.getRowCount();

```

```

        while(rc--!=0)
        {
dtm.removeRow(0);
        }
        String com=(String)combo2.getSelectedItem();
java.sql.Date dt3=new java.sql.Date(d3.getDate().getTime());
java.sql.Date dt4=new java.sql.Date(d4.getDate().getTime());
ResultSetrs=st.executeQuery("select * from spendings where sdate>='"+dt3+"' and
sdate<='"+dt4+"' and category='"+com+"'order by sdate asc");
        int total=0;
        while(rs.next())
        {
            int t=rs.getInt("amount");
            total+=t;
java.util.Vector row=new java.util.Vector();
row.add(rs.getDate("sdate"));
row.add(rs.getString("category"));
row.add(t);
dtm.addRow(row);
        }
        totalamount2.setText(total+"");
    }catch(Exception ex)
    {
        JOptionPane.showMessageDialog(null,ex);
    }
}

private void combo2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void d1PropertyChange(java.beans.PropertyChangeEvent evt) {
    d2.setSelectableDateRange(d1.getDate(),new java.util.Date());
    d2.setDate(d1.getDate());
}

```



```
private void d3PropertyChange(java.beans.PropertyChangeEvent evt) {
    d4.setSelectableDateRange(d3.getDate(),new java.util.Date());
    d4.setDate(d3.getDate());
}
```

```
// Variables declaration - do not modify
private javax.swing.JComboBox<String> combo2;
private com.toedter.calendar.JDateChooser d1;
private com.toedter.calendar.JDateChooser d2;
private com.toedter.calendar.JDateChooser d3;
private com.toedter.calendar.JDateChooser d4;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel5;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JTable table3;
private javax.swing.JTable table4;
private javax.swing.JLabel totalamount1;
```

```
private javax.swing.JLabel totalamount2;  
// End of variables declaration  
}
```

,

CHAPTER 4

RESULTS AND DISCUSSION

There are various screens contains information of our application so these are the various results:

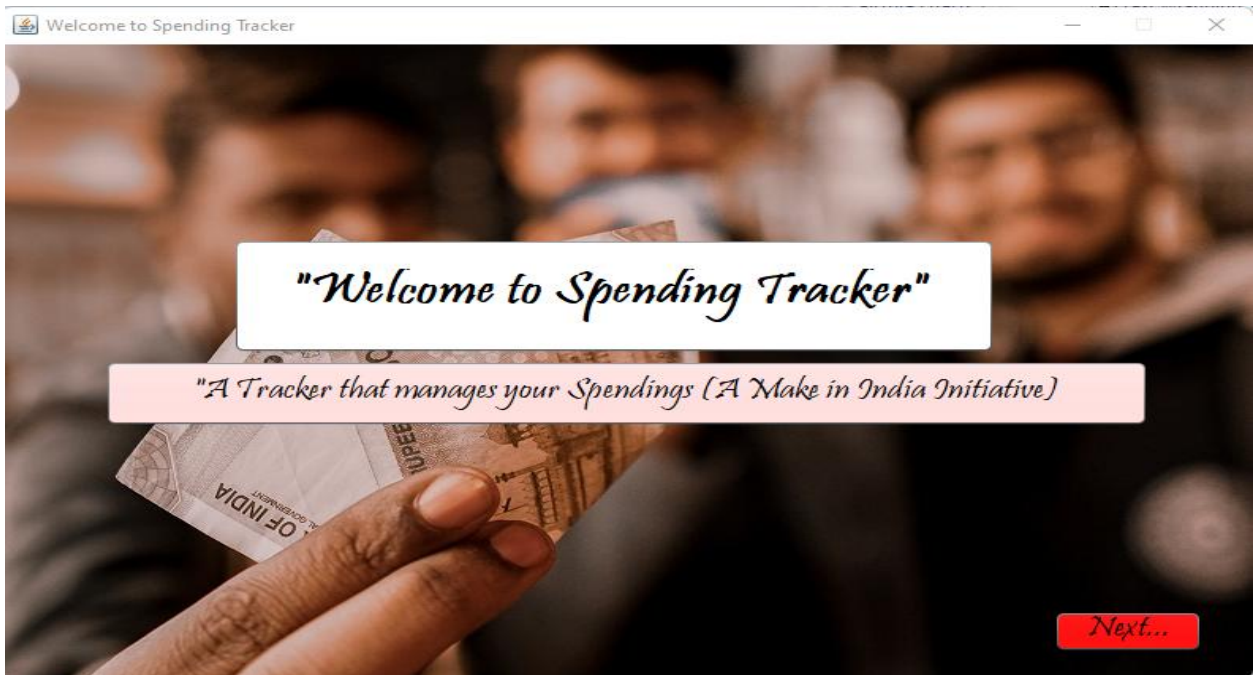


Fig-4.1

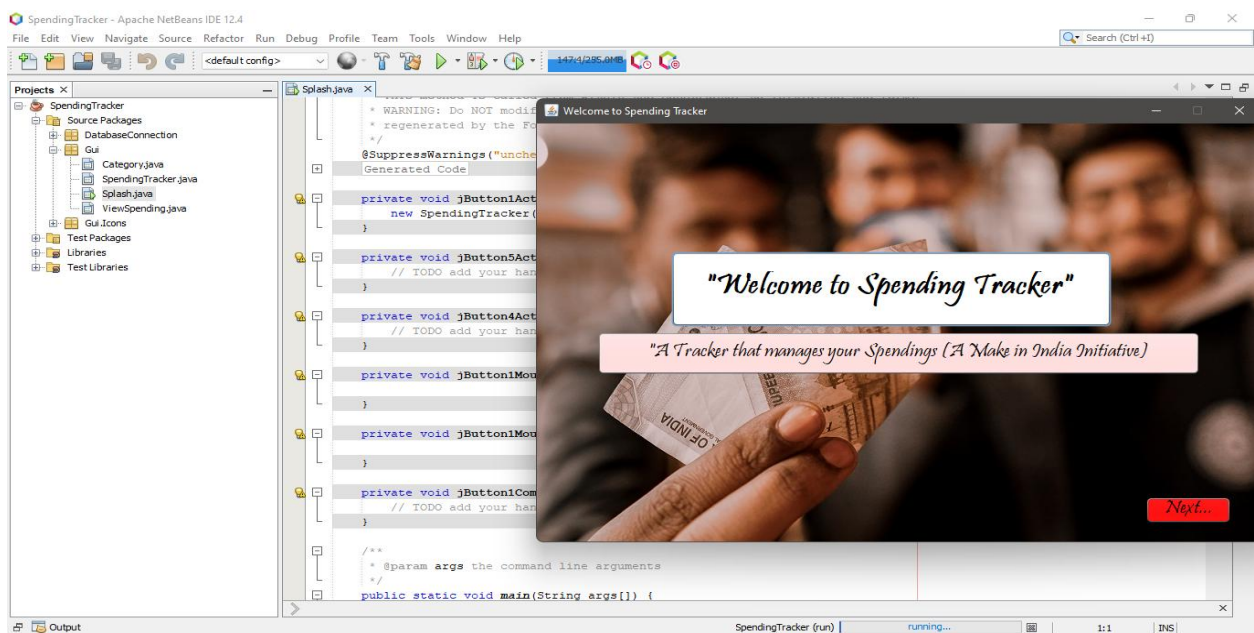


Fig-4.2

2. Adding new spending screen output:

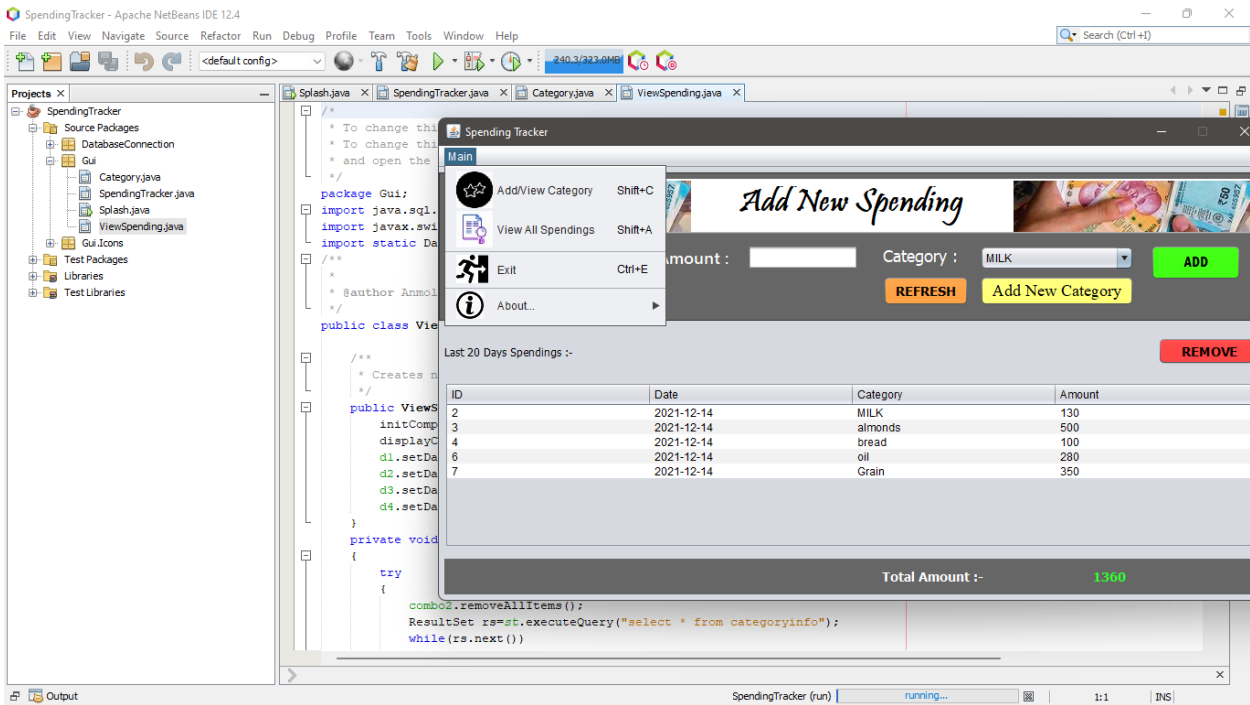


Fig-4.3

3. Adding new category frame output:

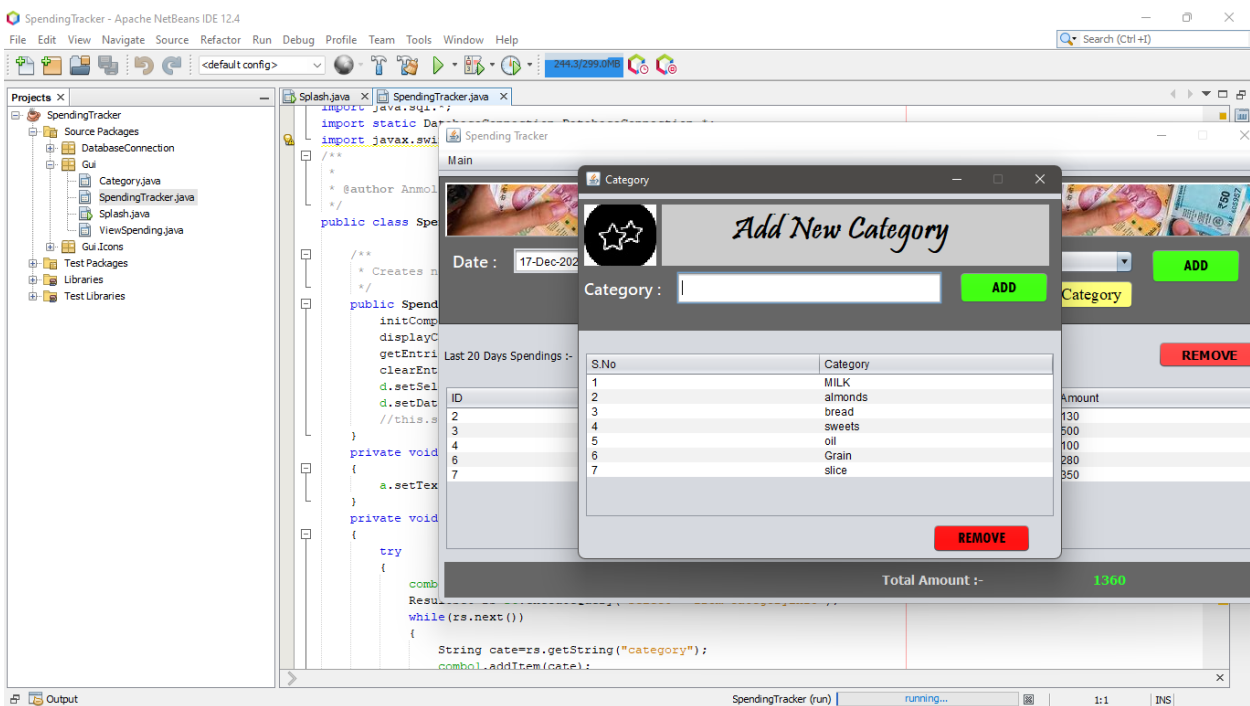


Fig-4.4

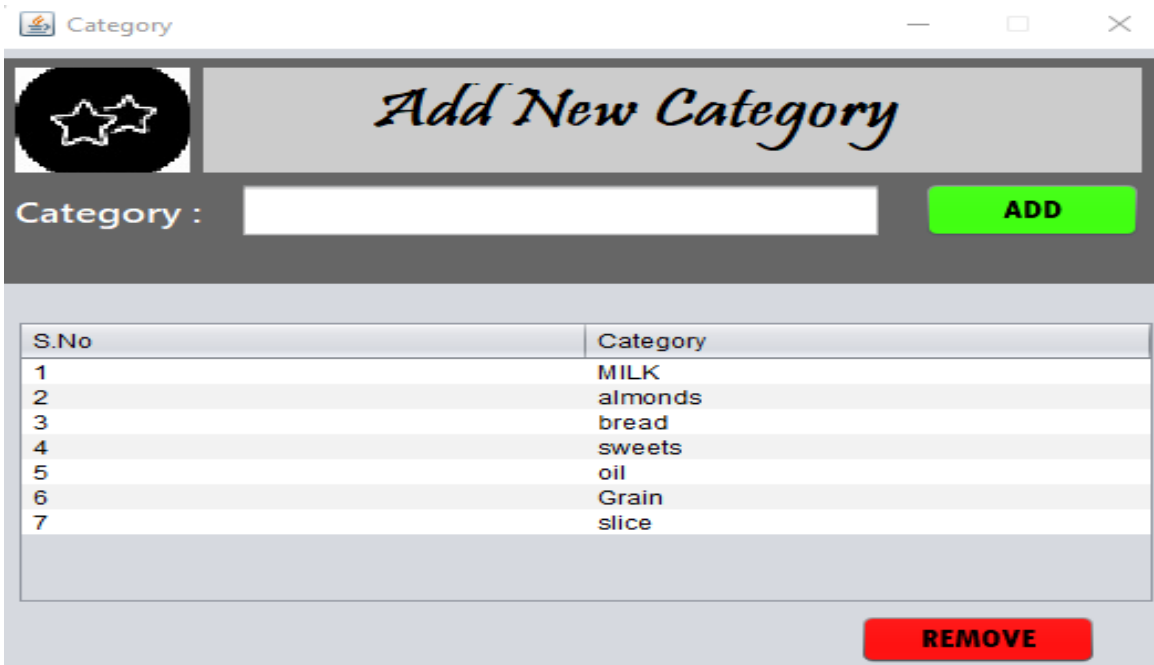


Fig –4.5

4. View Spending Frame output:

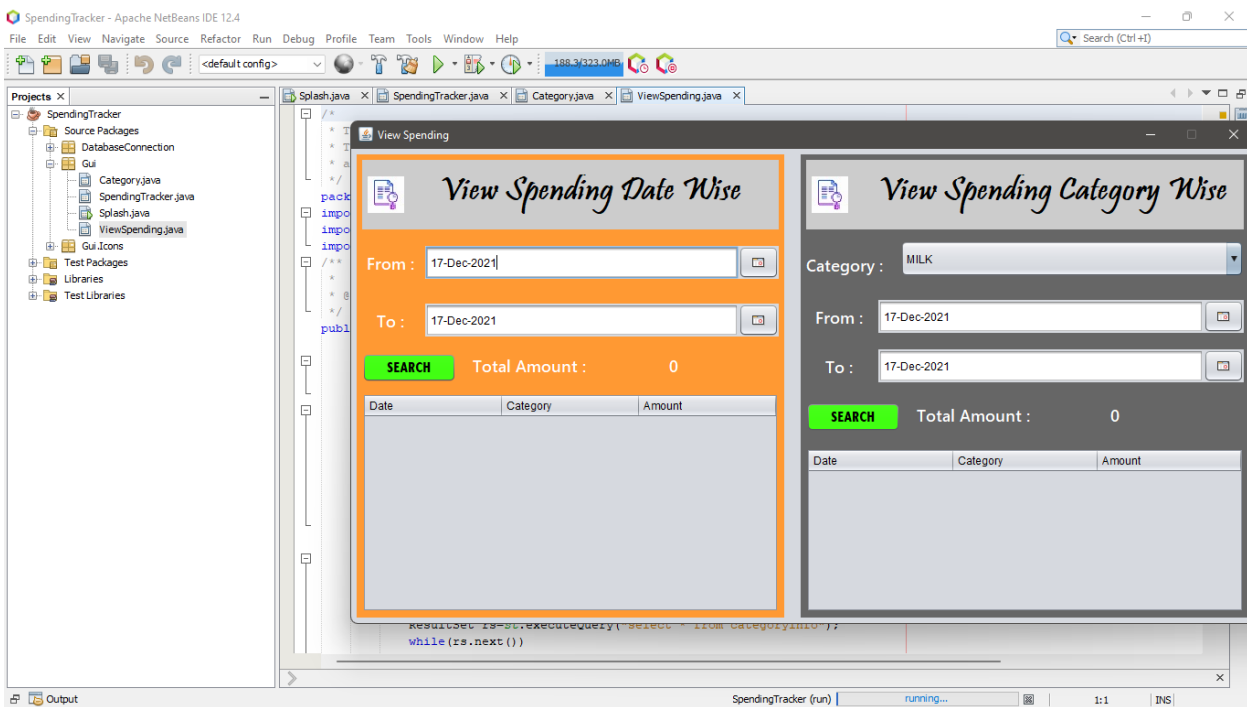


Fig-4.6

5. Application main menu:

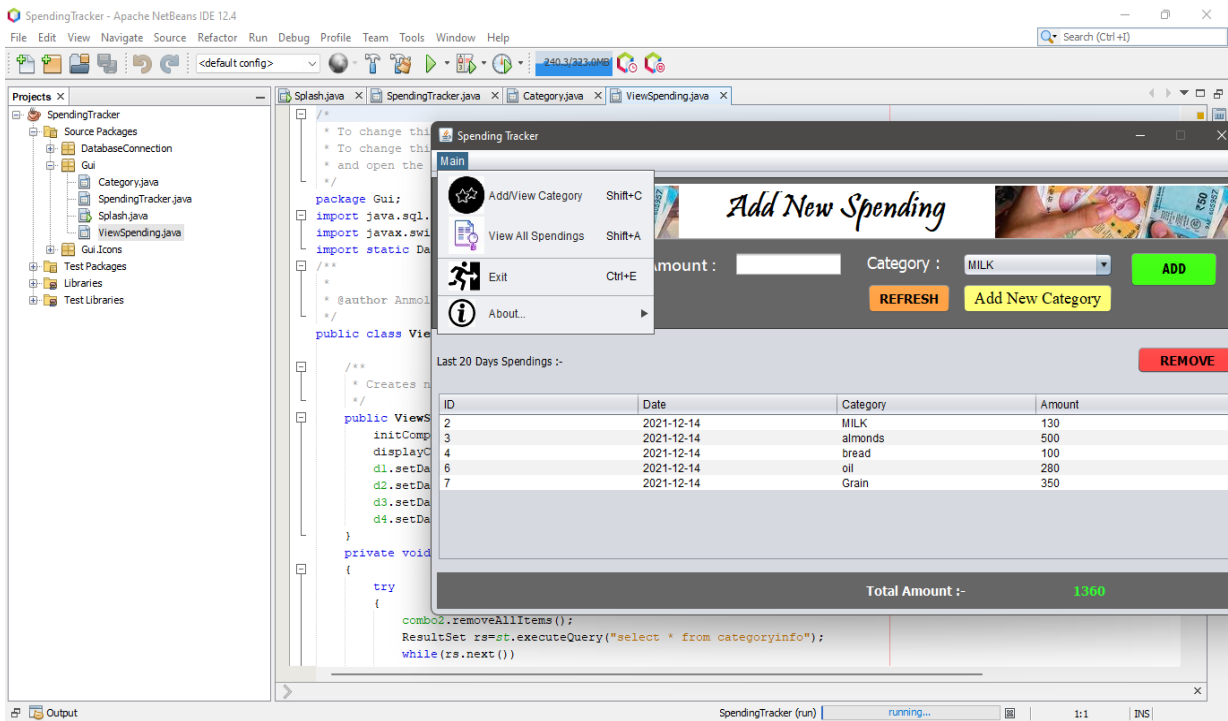


Fig-4.7

6. Application about Section:

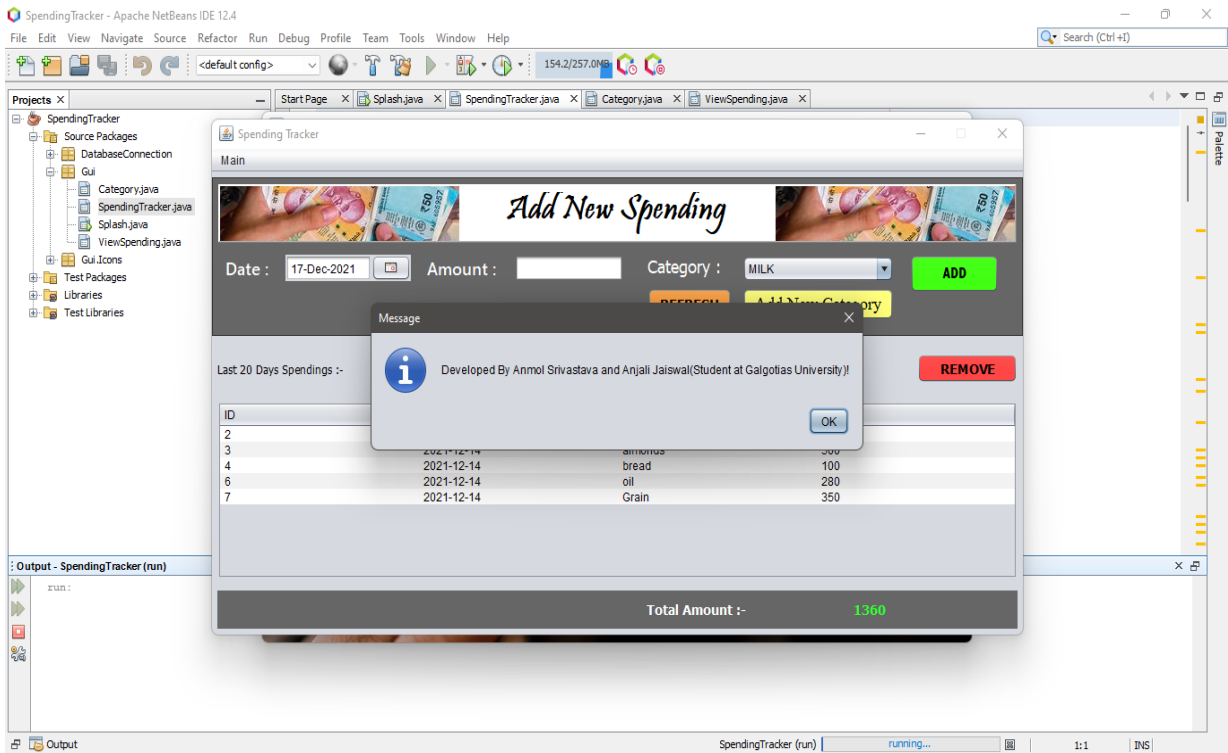


Fig-4.8

DISCUSSIONS

We have divided the application into two phases.

First phase:

In first phase we are working on the dashboard frame and the main window frame where addition of all Spending is to be done.

Second phase:

Planning for creating more dashboards of add category and view Spending category wise and date wise.

So far, we are working on it and try to develop some extra features in it to make our app more reliable and user friendly.

Last phase:

- In the last phase, we are making one last frame i.e., ViewSpending frame.
- In this frame, the user can see the Spendings according to category wise as well as date wise.
- Conclusion and references.

CHAPTER 5

CONCLUSION

After making this application we assure that this application will help its users to manage the cost of their daily expenditure. It will guide them and aware them about their daily Spendings. It will prove to be helpful for the people who are frustrated with their daily budget management, irritated because of amount of Spendings and wishes to manage money and to preserve the record of their daily cost which may be useful to change their way of spending money. In short, this application will help its users to overcome the wastage of money.

Recommendation

Spending Tracker app is usable by anyone who are willing to manage their Spendings and aiming to save for the future investments. This app has no range criteria or any kind of profession or gender are focused so it will used hugely by any other person.

Future Scope

In further days, there will be mails and pay mode embedded with the app. Also, backup details will be recorded on database.

REFERENCES

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