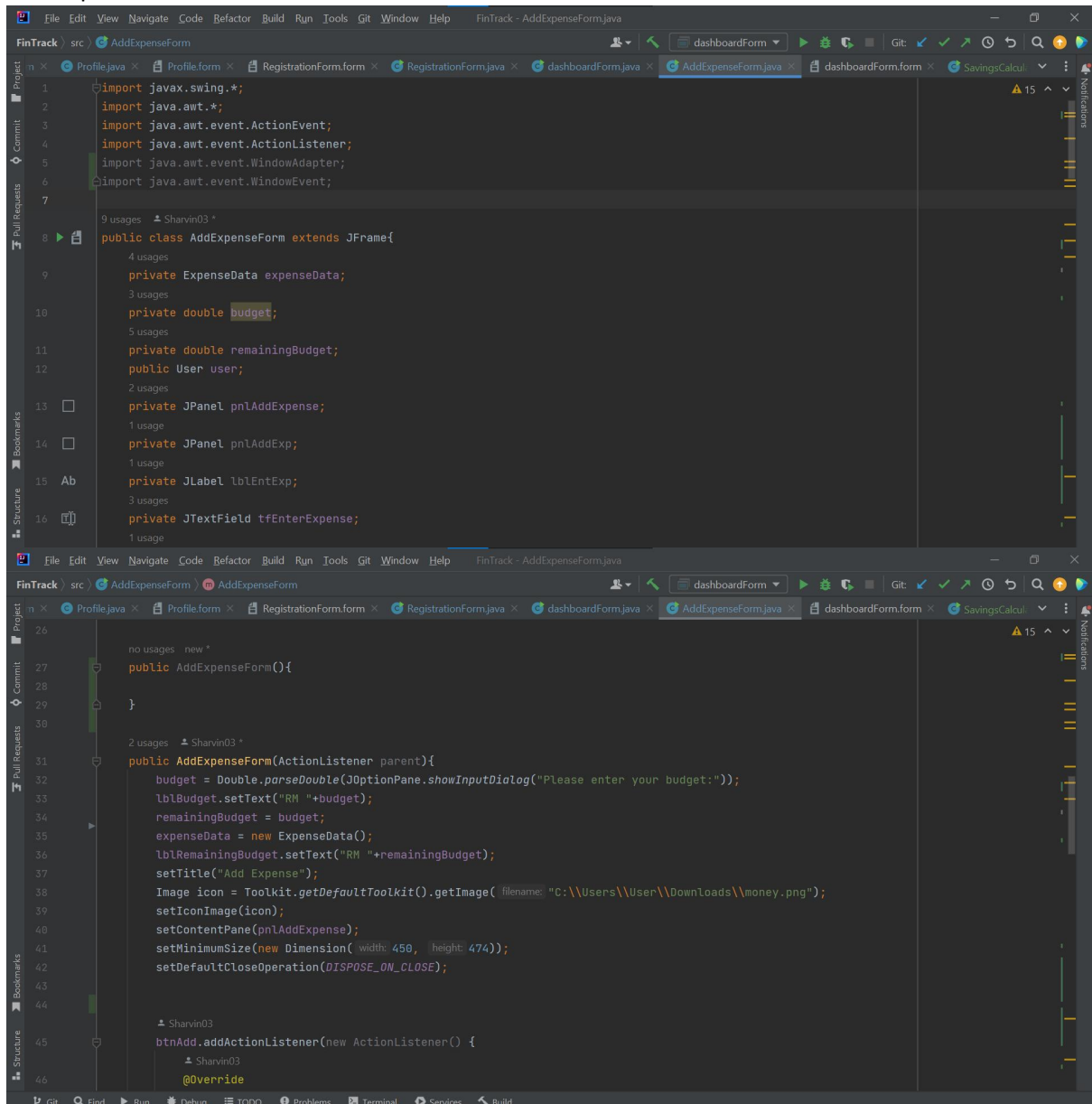


Add Expense Code:



```
1 import javax.swing.*;
2 import java.awt.*;
3 import java.awt.event.ActionEvent;
4 import java.awt.event.ActionListener;
5 import java.awt.event.WindowAdapter;
6 import java.awt.event.WindowEvent;
7
8 public class AddExpenseForm extends JFrame{
9     private ExpenseData expenseData;
10    private double budget;
11    private double remainingBudget;
12    public User user;
13    private JPanel pnlAddExpense;
14    private JPanel pnlAddExp;
15    private JLabel lblEntExp;
16    private JTextField tfEnterExpense;
17
18    no usages new *
19    public AddExpenseForm(){
20    }
21
22    2 usages Sharvin03 *
23    public AddExpenseForm(ActionListener parent){
24        budget = Double.parseDouble(JOptionPane.showInputDialog("Please enter your budget:"));
25        lblBudget.setText("RM "+budget);
26        remainingBudget = budget;
27        expenseData = new ExpenseData();
28        lblRemainingBudget.setText("RM "+remainingBudget);
29        setTitle("Add Expense");
30        Image icon = Toolkit.getDefaultToolkit().getImage( filename: "C:\\Users\\User\\Downloads\\money.png");
31        setIconImage(icon);
32        setContentPane(pnlAddExpense);
33        setMinimumSize(new Dimension( width: 450, height: 474));
34        setDefaultCloseOperation(DISPOSE_ON_CLOSE);
35
36    Sharvin03
37    btnAdd.addActionListener(new ActionListener() {
38        Sharvin03
39        @Override
```

```
FinTrack - AddExpenseForm.java
File Edit View Navigate Code Refactor Build Run Tools Git Window Help
FinTrack src AddExpenseForm AddExpenseForm

Profile.java Profile.form RegistrationForm.java RegistrationForm.java dashboardForm.java AddExpenseForm.java dashboardForm.form SavingsCalcul...
Sharvin03
45 btnAdd.addActionListener(new ActionListener() {
46     Sharvin03
47     @Override
48     public void actionPerformed(ActionEvent e) {
49         String category = (String) cbCategory.getSelectedItem();
50         double expense = Double.parseDouble(tfEnterExpense.getText());
51         if (expense <= remainingBudget) {
52             remainingBudget -= expense;
53             lblRemainingBudget.setText("RM" + remainingBudget);
54             expenseData.addExpense(category, expense);
55             taExpenseList.setText(expenseData.getExpenseList());
56             //taExpenseList.append(String.format("%s: %.2f%n", category, expense));
57             cbCategory.setSelectedIndex(0);
58             tfEnterExpense.setText("");
59             //expenseData.addExpense(category, expense);
60         } else {
61             lblStatus.setText("You have exceeded your budget!");
62         }
63     }
64 });
65 Sharvin03
66 btnFilterAdd.addActionListener(new ActionListener() {
67     Sharvin03
68     @Override
69     public void actionPerformed(ActionEvent e) {
70         FilterExpenses filterExpenses = new FilterExpenses(expenseData);
71         filterExpenses.setLocationRelativeTo(null);
72         filterExpenses.setVisible(true);
73         //new FilterExpenses(expenseData);
74     }
75 });
76
77 2 usages Sharvin03 *
78 void changeTheme(Color color){
79     // Change color of AddExpenseForm
80     getContentPane().setBackground(color);
81
82     // Change color of all components in AddExpenseForm
83     Component[] components = getContentPane().getComponents();
84     for (Component component : components) {
85         component.setBackground(color);
86         if (component instanceof JPanel) {
87             Component[] panelComponents = ((JPanel) component).getComponents();
88             panelComponent.setBackground(color);
89         }
90     }
91
92     // Change color of all open forms
93     for (Window window : Window.getWindows()) {
94         if (window instanceof JFrame) {
95             JFrame frame = (JFrame) window;
96             if (frame.getContentPane().getComponentCount() > 0) {
97                 Component content = frame.getContentPane().getComponent(0);
98                 if (content instanceof JPanel) {
99                     ((JPanel) content).setBackground(color);
100                 }
101             }
102         }
103     }
104 }
105 Sharvin03
106 public static void main(String[] args) {
107     AddExpenseForm addExpenseForm = new AddExpenseForm(parent: null);
108     User user = addExpenseForm.user;
109 }
110 }
```