

Filter Expenses Code:

```
FinTrack - FilterExpenses.java
1  import javax.swing.*;
2  import java.awt.*;
3  import java.awt.event.ActionEvent;
4  import java.awt.event.ActionListener;
5
6  public class FilterExpenses extends JFrame implements ActionListener{
7      public User user;
8      private JPanel pnlFilterExpenses;
9      private JPanel pnlFilExp;
10     private JLabel lblFilterText;
11     private JComboBox cbFilterCategory;
12     private JPanel pnlFiltered;
13     private JTextArea taFiltered;
14     private JLabel lblAverageTitle;
15     private JLabel lblAvg;
16
17     public FilterExpenses(){}
18
19     public FilterExpenses(ExpenseData expenseData){
20         setTitle("Filter Expenses");
21         this.expenseData = expenseData;
22         btnFilter.addActionListener(this);
23         Image icon = Toolkit.getDefaultToolkit().getImage("C:\\Users\\User\\Downloads\\money.png");
24         setIconImage(icon);
25         setContentPane(pnlFilterExpenses);
26         setMinimumSize(new Dimension(450, 474));
27         setDefaultCloseOperation(DISPOSE_ON_CLOSE);
28     }
29
30     @Override
31     public void actionPerformed(ActionEvent e) {
32         String category = (String) cbFilterCategory.getSelectedItem();
33         taFiltered.setText(expenseData.getFilteredExpenses(category));
34         double average = expenseData.getAverageExpense(category);
35         lblAvg.setText(String.format("RM%.2f", average));
36     }
37
38     public void clrMode(int response) {
39         if (response == 1){
40             pnlFilterExpenses.setBackground(Color.BLACK);
41         }
42         else{
43             pnlFilterExpenses.setBackground(Color.BLUE);
44         }
45     }
46
47     public static void main(String[] args){
48         FilterExpenses filterExpenses = new FilterExpenses(expenseData: null);
49         User user = filterExpenses.user;
50     }
51 }
```