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1  import java.awt.*;
2  import javax.swing.*;
3  import javax.swing.border.*;
4  import java.awt.event.*;
5  import java.util.*;
6  import java.text.*;
7
8  public class Pharmacy extends JFrame implements ActionListener
9  {
10     private JLabel lblCashierName;
11     private JTextField tfCashierName;
12     private JRadioButton rbMember, rbNonMember;
13     private JCheckBox cbBena, cbTussidex, cbParacetamol, cbDyrito, cbZelo
x, cbMexomide;
14     private JCheckBox cbHyomide, cbNazin, cbUphalyte, cbOriginal;
15     private JCheckBox cb1, cb2, cb3, cb4, cb5, cb6, cb7, cb8, cb9, cb10;
16     private JTextField tfBena, tfTussidex, tfParacetamol, tfDyrito, tfZel
ox, tfMexomide;
17     private JTextField tfHyomide, tfNazin, tfUphalyte, tfOriginal;
18     private JTextField tf1, tf2, tf3, tf4, tf5, tf6, tf7, tf8, tf9, tf10;
19     private JButton btnOk, btnClear, btnExit;
20     private JPanel panelCashier , panelMember, pCustom,panelButton,panelR
eceipt, panelImage;
21     private JTextArea taReceipt;
22     private JScrollPane scroll;
23
24     public static void main(String args[])
25     {
26         Pharmacy newJFrame = new Pharmacy();
27         newJFrame.setVisible(true);
28         newJFrame.setSize(1400,768);
29         newJFrame.setLocation(0,0);
30         newJFrame.setTitle("Pharmacy");
31
32     }
33
34     public Pharmacy()
35     {
36
37         Container c = getContentPane();
38         c.setLayout(new GridLayout(6,1));
39         //panel image
40         panelImage = new JPanel(new GridLayout(1,1));
41         JLabel image = new JLabel(new ImageIcon("farmarsc.jpg"));
42         panelImage.add(image);
43         c.add(panelImage);
44         //panel cashier name
45         lblCashierName = new JLabel("Pharmacist's Name : ");
46         tfCashierName = new JTextField(10);
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47
48     panelCashier = new JPanel(new GridLayout(1,1));
49     panelCashier.add(lblCashierName);
50     panelCashier.add(tfCashierName);
51
52     c.add(panelCashier);
53
54     //panel members
55     rbMember = new JRadioButton("Member *5% Discount");
56     rbNonMember = new JRadioButton("Non-Member");
57
58     ButtonGroup bgroup = new ButtonGroup();
59     bgroup.add(rbMember);
60     bgroup.add(rbNonMember);
61
62     panelMember = new JPanel(new GridLayout(1,2));
63     panelMember.setBorder(new TitledBorder("MEMBERSHIP"));
64     panelMember.setBackground(Color.GRAY);
65     panelMember.add(rbMember);
66     panelMember.add(rbNonMember);
67
68     c.add(panelMember);
69
70     //panel Medicine
71
72     cbBena = new JCheckBox(" Bena Expectorant");
73     tfBena = new JTextField(" ",2);
74     cbTussidex = new JCheckBox (" Tussidex Forte");
75     tfTussidex = new JTextField(" ",2);
76     cbParacetamol = new JCheckBox(" Paracetamol");
77     tfParacetamol = new JTextField(" ",2);
78     cbDyrito = new JCheckBox(" Dyrito Tablet");
79     tfDyrito = new JTextField(" ",2);
80     cbZelox = new JCheckBox(" Zelox-II");
81     tfZelox = new JTextField(" ",2);
82     cbMexomide = new JCheckBox(" Mexomide Tablet");
83     tfMexomide = new JTextField(" ",2);
84     cbHyomide = new JCheckBox(" Hyomide Tablet");
85     tfHyomide = new JTextField(" ",2);
86     cbNazin = new JCheckBox(" Nazin Tablet");
87     tfNazin = new JTextField(" ",2);
88     cbUphalyte = new JCheckBox(" Uphalyte Orange");
89     tfUphalyte = new JTextField(" ",2);
90     cbOriginal = new JCheckBox(" Uphalyte Original");
91     tfOriginal = new JTextField(" ",2);
92     cb1 = new JCheckBox(" Abacavir Sulfate");
93     tf1 = new JTextField(" ",2);
94     cb2 = new JCheckBox(" Bionect Cream, Gel");
95     tf2 = new JTextField(" ",2);
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96         cb3 = new JCheckBox(" Cytogam");
97         tf3 = new JTextField("",2);
98         cb4 = new JCheckBox(" Darvon Compound");
99         tf4 = new JTextField("",2);
100        cb5 = new JCheckBox(" Eurax");
101        tf5 = new JTextField("",2);
102        cb6 = new JCheckBox(" Fortesta");
103        tf6 = new JTextField("",2);
104        cb7 = new JCheckBox(" Oxsoralen-Ultra");
105        tf7 = new JTextField("",2);
106        cb8 = new JCheckBox(" Sulfasalazine Tablet");
107        tf8 = new JTextField("",2);
108        cb9 = new JCheckBox(" Yellow Fever Vaccine");
109        tf9 = new JTextField("",2);
110        cb10 = new JCheckBox(" Lidocaine");
111        tf10 = new JTextField("",2);
112
113        pCustom = new JPanel(new GridLayout(4,10));
114        pCustom.setBorder(new TitledBorder("MEDICINE [Fill quantity (*)]"
115    ));
116
117        pCustom.setBackground(Color.GRAY);
118
119        pCustom.add(cbBena);
120        pCustom.add(tfBena);
121        pCustom.add(cbTussidex);
122        pCustom.add(tfTussidex);
123        pCustom.add(cbParacetamol);
124        pCustom.add(tfParacetamol);
125        pCustom.add(cbDyrito);
126        pCustom.add(tfDyrito);
127        pCustom.add(cbZelox);
128        pCustom.add(tfZelox);
129        pCustom.add(cbMexomide);
130        pCustom.add(tfMexomide);
131        pCustom.add(cbHyomide);
132        pCustom.add(tfHyomide);
133        pCustom.add(cbNazin);
134        pCustom.add(tfNazin);
135        pCustom.add(cbUphalyte);
136        pCustom.add(tfUphalyte);
137        pCustom.add(cbOriginal);
138        pCustom.add(tfOriginal);
139        pCustom.add(cb1);
140        pCustom.add(tf1);
141        pCustom.add(cb2);
142        pCustom.add(tf2);
143        pCustom.add(cb3);
144        pCustom.add(tf3);
145        pCustom.add(cb4);
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144         pCustom.add(tf4);
145         pCustom.add(cb5);
146         pCustom.add(tf5);
147         pCustom.add(cb6);
148         pCustom.add(tf6);
149         pCustom.add(cb7);
150         pCustom.add(tf7);
151         pCustom.add(cb8);
152         pCustom.add(tf8);
153         pCustom.add(cb9);
154         pCustom.add(tf9);
155         pCustom.add(cb10);
156         pCustom.add(tf10);
157         c.add(pCustom);
158         //panel button
159         btnOk = new JButton("OK");
160         btnExit = new JButton("EXIT");
161         btnClear = new JButton("CLEAR");
162         panelButton = new JPanel(new FlowLayout());
163         panelButton.setBorder(new TitledBorder("BUTTON"));
164         panelButton.setBackground(Color.GRAY);
165         panelButton.add(btnOk);
166         panelButton.add(btnClear);
167         panelButton.add(btnExit);
168         c.add(panelButton);
169
170         //panel receipt
171         taReceipt = new JTextArea();
172         scroll = new JScrollPane(taReceipt);
173         panelReceipt = new JPanel(new GridLayout(1,1));
174         panelReceipt.setBorder(new TitledBorder("RECEIPT"));
175         panelReceipt.setBackground(Color.GRAY);
176         panelReceipt.add(scroll);
177         c.add(panelReceipt);
178
179         //gune JTextArea
180         //
181         //register the frame as an action listener of the events
182         btnOk.addActionListener(this);
183         btnExit.addActionListener(this);
184         btnClear.addActionListener(this);
185
186     }
187     //to perform action
188     public void actionPerformed(ActionEvent e )
189     {
190         DecimalFormat df = new DecimalFormat("0.00");
191         double priceBena = 4, priceTussidex = 4, priceParacetamol = 2.5, p
riceDyrito = 2, priceZelox = 5;
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192     double priceMexomide = 2.5, priceHyomide = 3, priceNazin = 4, priceUpPhalyte = 1.5, priceOriginal = 1.5;
193     double price1 = 6, price2 = 9, price3 = 7.5, price4 = 4, price5 = 8.5, price6 = 6.5, price7 = 2;
194     double price8 = 1.5, price9 = 3.5, price10 = 2;
195
196     //to find total
197     double total = 0;
198     int no = 0;
199     //if click button ok
200     if(e.getSource() == btnOk)
201     {
202         //to write in receipt
203         taReceipt.setText("\t\t\tPHARMACY\n");
204         taReceipt.append("\t\tPharmacist's Name : "+tfCashierName.getText()+"\n");
205         taReceipt.append("\t\tMembership \t: ");
206         if(rbMember.isSelected())
207         {
208             taReceipt.append("Member\n");
209             taReceipt.append("\tNo\tItem\t\tQuantity\t\tPrice\n");
210
211             if(cbBena.isSelected())
212             {
213                 int Bena = Integer.parseInt(tfBena.getText());
214                 no = no + 1;
215                 double newPriceBe =(priceBena-(priceBena * 0.05))*Bena;
216                 taReceipt.append("\t"+no+"\tBena\t\t\tExpectorant\t\t\t\n");
217                 total = total + newPriceBe;
218             }
219             if(cbTussidex.isSelected())
220             {
221                 int Tussidex = Integer.parseInt(tfTussidex.getText());
222                 no = no + 1;
223                 double newPriceTu =(priceTussidex-(priceTussidex * 0.05))*Tussidex;
224                 taReceipt.append("\t"+no+"\tTussidex\t\t\tForte\t\t\t\n");
225                 total = total + newPriceTu;
226             }
227             if(cbParacetamol.isSelected())
228             {
229                 int Paracetamol = Integer.parseInt(tfParacetamol.getText());
230                 no = no + 1;
231                 double newPricePa =(priceParacetamol-(priceParacetamol

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352     "+ n8+"\t\t"+df.format(newPrice8)+"\n");
353         total = total + newPrice8;
354     }
355     if(cb9.isSelected())
356     {
357         int n9 = Integer.parseInt(tf9.getText());
358         no = no + 1;
359         double newPrice9 =(price9-(price9 * 0.05))*n9;
360         taReceipt.append("\t"+"no+"\tYellow    Fever    Vaccine\t\t\n");
361         "+ n9+"\t\t"+df.format(newPrice9)+"\n");
362         total = total + newPrice9;
363     }
364     if(cb10.isSelected())
365     {
366         int n10 = Integer.parseInt(tf10.getText());
367         no = no + 1;
368         double newPrice10 =(pricel0-(pricel0 * 0.05))*n10;
369         taReceipt.append("\t"+"no+"\tLidocaine\t\t\t\t\t"+ n1
370                                0+"\t\t"+df.format(newPrice10)+"\n");
371         total = total + newPrice10;
372     }
373 }
374 else if(rbNonMember.isSelected())
375 {
376     taReceipt.append("Non-Member\n");
377     taReceipt.append("\tNo\tItem\t\tQuantity\t\tPrice\n");
378 
379     if(cbBena.isSelected())
380     {
381         int Bena = Integer.parseInt(tfBena.getText());
382         no = no + 1;
383         double newPriceBe =(priceBena)*Bena;
384         taReceipt.append("\t"+"no+"\tBena                Expectorant\t\t\n");
385         "+ Bena+"\t\t"+df.format(newPriceBe)+"\n");
386         total = total + newPriceBe;
387     }
388     if(cbTussidx.isSelected())
389     {
390         int Tussidx = Integer.parseInt(tfTussidx.getText())
391 ;
392         no = no + 1;
393         double newPriceTu =(priceTussidx)*Tussidx;
394         taReceipt.append("\t"+"no+"\tTussidx                    Forte\t\t\t\n");
395         "+ Tussidx+"\t\t"+df.format(newPriceTu)+"\n");
396         total = total + newPriceTu;
397     }
398     if(cbParacetamol.isSelected())
399     {
400         int Paracetamol = Integer.parseInt(tfParacetamol.getTex

```

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395 ext());
396         no = no + 1;
397         double newPricePa =(priceParacetamol)*Paracetamol;
398         taReceipt.append("\t"+no+"\tParacetamol\t\t      "+"
Paracetamol+"\t\t"+df.format(newPricePa)+"\n");
399         total = total + newPricePa;
400     }
401     if(cbDyrito.isSelected())
402     {
403         int Dyrito = Integer.parseInt(tfDyrito.getText());
404         no = no + 1;
405         double newPriceDy = (priceDyrito)*Dyrito;
406         taReceipt.append("\t"+no+"\tDyrito Tablet\t\t      "
+ Dyrito+"\t\t"+df.format(newPriceDy)+"\n");
407         total = total + newPriceDy;
408     }
409     if(cbZelox.isSelected())
410     {
411         int Zelox = Integer.parseInt(tfZelox.getText());
412         no = no + 1;
413         double newPriceZe =(priceZelox)*Zelox;
414         taReceipt.append("\t"+no+"\tZelox-II\t\t      "+" Zel
ox+"\t\t"+df.format(newPriceZe)+"\n");
415         total = total + newPriceZe;
416     }
417     if(cbMexomide.isSelected())
418     {
419         int Mexomide = Integer.parseInt(tfMexomide.getText())
;
420         no = no + 1;
421         double newPriceMe =(priceMexomide)*Mexomide;
422         taReceipt.append("\t"+no+"\tMexomide Tablet\t\t      "
+ Mexomide+"\t\t"+df.format(newPriceMe)+"\n");
423         total = total + newPriceMe;
424     }
425     if(cbHyomide.isSelected())
426     {
427         int Hyomide = Integer.parseInt(tfHyomide.getText());
428         no = no + 1;
429         double newPriceHy =(priceHyomide)*Hyomide;
430         taReceipt.append("\t"+no+"\tHyomide      Tablet\t\t\t
"+ Hyomide+"\t\t"+df.format(newPriceHy)+"\n");
431         total = total + newPriceHy;
432     }
433     if(cbNazin.isSelected())
434     {
435         int Nazin = Integer.parseInt(tfNazin.getText());
436         no = no + 1;
437         double newPriceNa =(priceNazin)*Nazin;

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```
total = total + newPrice3;
}
if(cb4.isSelected())
{
    int n4 = Integer.parseInt(tf4.getText());
    no = no + 1;
    double newPrice4 =(price4)*n4;
    taReceipt.append("\t"+no+"\tDarvon Compound\t      "
+ n4+"\t\t"+df.format(newPrice4)+"\n");
    total = total + newPrice4;
}
if(cb5.isSelected())
{
    int n5 = Integer.parseInt(tf5.getText());
    no = no + 1;
    double newPrice5 =(price5)*n5;
    taReceipt.append("\t"+no+"\tEurax\t\t          "+ n5+"\t\t"
"\t"+df.format(newPrice5)+"\n");
    total = total + newPrice5;
}
if(cb6.isSelected())
{
    int n6 = Integer.parseInt(tf6.getText());
    no = no + 1;
    double newPrice6 =(price6)*n6;
    taReceipt.append("\t"+no+"\tFortesta\t\t        "+ n6+"
"\t\t"+df.format(newPrice6)+"\n");
    total = total + newPrice6;
}
if(cb7.isSelected())
{
    int n7 = Integer.parseInt(tf7.getText());
    no = no + 1;
    double newPrice7 =(price7)*n7;
    taReceipt.append("\t"+no+"\tOxsoralen-Ultra\t\t   "
+ n7+"\t\t"+df.format(newPrice7)+"\n");
    total = total + newPrice7;
}
if(cb8.isSelected())
{
    int n8 = Integer.parseInt(tf8.getText());
    no = no + 1;
    double newPrice8 =(price8)*n8;
    taReceipt.append("\t"+no+"\tSulfasalazine Tablet\t"
+ n8+"\t\t"+df.format(newPrice8)+"\n");
    total = total + newPrice8;
}
if(cb9.isSelected())
```

[illegible]

```
569         cb5.setSelected(false);
570         cb6.setSelected(false);
571         cb7.setSelected(false);
572         cb8.setSelected(false);
573         cb9.setSelected(false);
574         cb10.setSelected(false);
575         tfBena.setText("");
576         tfTussidex.setText("");
577         tfDyrito.setText("");
578         tfParacetamol.setText("");
579         tfZelox.setText("");
580         tfMexomide.setText("");
581         tfHyomide.setText("");
582         tfNazin.setText("");
583         tfUphalyte.setText("");
584         tfOriginal.setText("");
585         tf1.setText("");
586         tf2.setText("");
587         tf3.setText("");
588         tf4.setText("");
589         tf5.setText("");
590         tf6.setText("");
591         tf7.setText("");
592         tf8.setText("");
593         tf9.setText("");
594         tf10.setText("");
595         rbMember.setSelected(false);
596         rbNonMember.setSelected(false);
597     }
598 }
599 }
600 }
601 }
602 }
603 }
604 }
```