

```
1 <Window x:Class="Drink.MainWindow"
2     xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
3     xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
4     xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
5     xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
6     xmlns:local="clr-namespace:Drink"
7     mc:Ignorable="d"
8     Title="MainWindow" Height="542" Width="740">
9     <Grid>
10         <Grid.ColumnDefinitions>
11             <ColumnDefinition Width="23*" />
12             <ColumnDefinition Width="777*" />
13             <ColumnDefinition Width="0*" />
14         </Grid.ColumnDefinitions>
15         <StackPanel x:Name="drinkList" Margin="1,101,0,0" Background="#FF8CDADC"
16             HorizontalAlignment="Left" Width="471" Height="242" VerticalAlignment="Top"
17             Grid.Column="1"/>
18         <Button x:Name="OrderButton" Content="買!" Margin="477,36,8,0" Height="40"
19             VerticalAlignment="Top" Grid.Column="1" Click="OrderButton_Click"/>
20         <GroupBox Grid.Column="1" Header="內用/外帶" Margin="1,25,0,0"
21             Background="#FFD5F2F3" Height="71" VerticalAlignment="Top"
22             HorizontalAlignment="Left" Width="471">
23             <StackPanel Orientation="Horizontal">
24                 <RadioButton Content="內用" Checked="RadioButton_Checked"
25                     VerticalContentAlignment="Center" Padding="0,-1,0,0"
26                     Margin="20,0,0,0" FontSize="18" FontWeight="Bold" IsChecked="True"/>
27                 <RadioButton Content="外帶" Checked="RadioButton_Checked"
28                     VerticalContentAlignment="Center" Padding="0,-1,0,0"
29                     Margin="20,0,0,0" FontSize="18" FontWeight="Bold"/>
30             </StackPanel>
31         </GroupBox>
32         <TextBlock x:Name="ResultTextBlock" Margin="477,81,8,20" Background="#FF887BE6"
33             ScrollViewer.VerticalScrollBarVisibility="Auto" Grid.Column="1"
34             ScrollViewer.HorizontalScrollBarVisibility="Auto"/>
35     </Grid>
36 </Window>
```

```
1 using System.Text;
2 using System.Windows;
3 using System.Windows.Controls;
4 using System.Windows.Data;
5 using System.Windows.Documents;
6 using System.Windows.Input;
7 using System.Windows.Interop;
8 using System.Windows.Media;
9 using System.Windows.Media.Imaging;
10 using System.Windows.Navigation;
11 using System.Windows.Shapes;
12
13 namespace Drink
14 {
15     public partial class MainWindow : Window
16     {
17         Dictionary<string, int> drinks = new Dictionary<string, int>
18         {
19             {"紅茶大杯", 60},
20             {"紅茶小杯", 40},
21             {"綠茶大杯", 50},
22             {"綠茶小杯", 30},
23             {"可樂大杯", 50},
24             {"可樂小杯", 30},
25             {"咖啡大杯", 80},
26             {"咖啡小杯", 50},
27         };
28
29         Dictionary<string, int> orders = new Dictionary<string, int>();
30         string takeout = "";
31
32         public MainWindow()
33         {
34             InitializeComponent();
35             loadDrink();
36         }
37         private void loadDrink()
38         {
39             drinkList.Height = 46 * drinks.Count;
40             foreach (var drink in drinks)
41             {
42                 var cp = new StackPanel
43                 {
44                     Orientation = Orientation.Horizontal,
45                     Margin = new Thickness(3),
46                     Background = Brushes.LightPink,
47                     Height = 40
48                 };
49
50                 var cb = new CheckBox
51                 {
52                     Content = drink.Key,
53                     FontSize = 16,
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54         FontWeight = FontWeights.Bold,
55         VerticalAlignment = VerticalAlignment.Center,
56         Margin = new Thickness(5)
57     };
58
59     var lb = new Label
60     {
61         Content = $"{drink.Value}元",
62         FontSize = 16,
63         FontWeight = FontWeights.Bold,
64         VerticalAlignment = VerticalAlignment.Center,
65         Margin = new Thickness(5)
66     };
67     var slider = new Slider
68     {
69         Width = 180,
70         Minimum = 0,
71         Maximum = 10,
72         Value = 0,
73         VerticalAlignment = VerticalAlignment.Center,
74         Margin = new Thickness(50, 5, 5, 5),
75         IsSnapToTickEnabled = true,
76         TickFrequency = 1
77     };
78
79     var num = new Label
80     {
81         Content = "0",
82         FontSize = 16,
83         FontWeight = FontWeights.Bold,
84         VerticalAlignment = VerticalAlignment.Center,
85         Margin = new Thickness(5)
86     };
87
88     num.SetBinding(Label.ContentProperty, new Binding("Value") { Source = ➤
89         slider });
90
91     cp.Children.Add(cb);
92     cp.Children.Add(lb);
93     cp.Children.Add(slider);
94     cp.Children.Add(num);
95     drinkList.Children.Add(cp);
96 }
97
98 private void RadioButton_Checked(object sender, RoutedEventArgs e)
99 {
100     var rb = sender as RadioButton;
101     if (rb.IsChecked == true)
102     {
103         takeout = rb.Content.ToString();
104     }
105 }
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106
107     private void OrderButton_Click(object sender, RoutedEventArgs e)
108     {
109         for (int i = 0; i < drinkList.Children.Count; i++)
110         {
111             var cp = drinkList.Children[i] as StackPanel;
112             var cb = cp.Children[0] as CheckBox;
113             var slider = cp.Children[2] as Slider;
114             var amount = (int)slider.Value;
115
116             if (cb.IsChecked == true && slider.Value > 0)
117             {
118                 if (orders.ContainsKey(cb.Content.ToString()))
119                 {
120                     orders[cb.Content.ToString()] = amount;
121                 }
122                 else
123                 {
124                     orders.Add(cb.Content.ToString(), amount);
125                 }
126             }
127         }
128         GenerateOutputList();
129     }
130
131     private void GenerateOutputList()
132     {
133         int total = 0;
134         var result = new StringBuilder();
135         result.Append($"內用/外帶：{takeout}\n");
136         result.Append("訂購清單:\n");
137         result.Append("=====\n");
138
139         foreach (var order in orders)
140         {
141             result.Append($"{order.Key} x {order.Value}\n");
142             total += drinks[order.Key] * order.Value;
143         }
144         //增加一個分隔線
145         result.Append("=====\n");
146         result.Append($"小計：{total}元\n");
147         result.Append("優惠項目:\n");
148         result.Append("-----\n");
149         int sellPrice = total;
150         if (total >= 500)
151         {
152             sellPrice = (int)(total * 0.8);
153             result.Append("滿500元打8折\n");
154         }
155         else if (total >= 300)
156         {
157             sellPrice = (int)(total * 0.9);
158             result.Append("滿300元打9折\n");
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159         }
160         else
161         {
162             result.Append("無折扣\n");
163         }
164         result.Append("-----\n");
165         result.Append($"應付:{sellPrice}\n");
166
167         ResultTextBlock.Text = result.ToString();
168     }
169 }
170 }

```

MainWindow

內用/外帶

☐ 內用 ☒ 外帶

買!

<input checked="" type="checkbox"/> 紅茶大杯 60元	<input type="text" value="10"/>
<input checked="" type="checkbox"/> 紅茶小杯 40元	<input type="text" value="10"/>
<input checked="" type="checkbox"/> 綠茶大杯 50元	<input type="text" value="10"/>
<input checked="" type="checkbox"/> 綠茶小杯 30元	<input type="text" value="10"/>
<input checked="" type="checkbox"/> 可樂大杯 50元	<input type="text" value="10"/>
<input checked="" type="checkbox"/> 可樂小杯 30元	<input type="text" value="10"/>
<input checked="" type="checkbox"/> 咖啡大杯 80元	<input type="text" value="10"/>
<input checked="" type="checkbox"/> 咖啡小杯 50元	<input type="text" value="10"/>

內用/外帶：外帶
訂購清單：
=====

綠茶大杯 x 10
紅茶大杯 x 10
紅茶小杯 x 10
綠茶小杯 x 10
可樂大杯 x 10
可樂小杯 x 10
咖啡大杯 x 10
咖啡小杯 x 10
=====

小計：3900元
優惠項目：

滿500元打8折

應付:3120