


```
43
44         CheckBox cb = new CheckBox
45         {
46             Content = $"{drink.Key} :           ↗
47             {drink.Value}元",
48             Width = 200,
49             FontFamily = new FontFamily           ↗
50             ("Consolas"),
51             FontSize = 18,
52             Foreground = Brushes.Blue,
53             Margin = new Thickness(5)
54         };
55
56         var sl = new Slider
57         {
58             Width = 100,
59             Value = 0,
60             Minimum = 0,
61             Maximum = 10,
62             IsSnapToTickEnabled = true,
63             VerticalAlignment =                   ↗
64             VerticalAlignment.Center
65         };
66
67         var lb = new Label
68         {
69             Width = 50,
70             Content = "0",
71             FontFamily = new FontFamily           ↗
72             ("Consolas"),
73             FontSize = 18,
74             Foreground = Brushes.Red
75         };
76
77         sp.Children.Add(cb);
78         sp.Children.Add(sl);
79         sp.Children.Add(lb);
80
81         //資料繫結
82         Binding myBinding = new Binding("Value");
83         myBinding.Source = sl;
84         lb.SetBinding(ContentProperty,           ↗
85         myBinding);
86
87         stackpenal_DrinkMenu.Children.Add(sp);
```

```
83
84     }
85 }
86
87 private void AddNewDrinks(Dictionary<string, int> mydrinks)
88 {
89     // mydrinks.Add("紅茶大杯", 60);
90     // mydrinks.Add("紅茶小杯", 40);
91     // mydrinks.Add("綠茶大杯", 60);
92     // mydrinks.Add("綠茶小杯", 40);
93     // mydrinks.Add("咖啡大杯", 80);
94     // mydrinks.Add("咖啡小杯", 50);
95
96     OpenFileDialog openFileDialog = new OpenFileDialog()
97     openFileDialog.Filter = "CSV檔|*.csv|文字檔|*.txt|全部檔案|*.*";
98     if (openFileDialog.ShowDialog() == true)
99     {
100         string filename = openFileDialog.FileName;
101         string[] lines = File.ReadAllLines(filename);
102         foreach (var line in lines)
103         {
104             string[] tokens = line.Split(',');
105             string drinkName = tokens[0];
106             int price = int.Parse(tokens[1]);
107             mydrinks.Add(drinkName, price);
108         }
109     }
110 }
111
112 private void OrderButton_Click(object sender, RoutedEventArgs e)
113 {
114     //將訂購的飲料加入訂單
115     PlaceOrder(orders);
116
117     //顯示訂單名細
118     DisplayOrder(orders);
119 }
120
121 private void DisplayOrder(Dictionary<string, int>
```

```
myOrders)
122     {
123         displayTextBlock.Inlines.Clear();
124         Run titleString = new Run
125         {
126             Text = "您所訂購的飲品為",
127             FontSize = 16,
128             Foreground = Brushes.Blue
129         };
130         Run takeoutString = new Run
131         {
132             Text = $"{takeout}",
133             FontSize = 16,
134             FontWeight = FontWeights.Bold
135         };
136         displayTextBlock.Inlines.Add(titleString);
137         displayTextBlock.Inlines.Add(takeoutString);
138         displayTextBlock.Inlines.Add(new Run() { Text = "，訂購明細如下：\n", FontSize = 16 });
139         double total = 0.0;
140         double sellPrice = 0.0;
141         //string displayString = $"本次訂購清單為
142             {takeout}，清單如下:\n";
143         string discountString = "";
144         int i = 1;
145         foreach (var item in myOrders)
146         {
147             string drinkName = item.Key;
148             int quantity = myOrders[drinkName];
149             int price = drinks[drinkName];
150             total += price * quantity;
151             displayTextBlock.Inlines.Add(new Run()
152             { Text = $"飲料品項{i}： {drinkName} X
153                 {quantity}杯，每杯{price}元，總共{price *
154                 quantity}元\n" });
155             i++;
156             //displayString += $"{drinkName} X
157                 {quantity}杯，每杯 {price}元，總共 {price *
158                 quantity}元\n";
159         }
160
161         if (total >= 500)
162         {
163             discountString = "訂購滿500元以上者8折";
164             sellPrice = total * 0.8;
165         }
166     }
167 }
```

```
159     }
160     else if (total >= 300)
161     {
162         discountString = "訂購滿300元以上者85折";
163         sellPrice = total * 0.85;
164     }
165     else if (total >= 200)
166     {
167         discountString = "訂購滿200元以上者9折";
168         sellPrice = total * 0.9;
169     }
170     else
171     {
172         discountString = "訂購未滿200元以上不打折";
173         sellPrice = total;
174     }
175     Italic summaryString = new Italic(new Run
176     {
177         Text = $"本次訂購總共{myOrders.Count}項， 售價{sellPrice}元",
178         FontSize = 16,
179         FontWeight = FontWeights.Bold,
180         Foreground = Brushes.Red
181     });
182     displayTextBlock.Inlines.Add(summaryString);
183     //displayString += $"本次訂購總共
184     {myOrders.Count}項，{message}，售價
185     {sellPrice}元";
186     //displayTextBlock.Text = displayString;
187 }
188
189 private void PlaceOrder(Dictionary<string, int>
190     myOrders)
191 {
192     myOrders.Clear();
193     for(int i = 0; i <
194         stackpenal_DrinkMenu.Children.Count; i++)
195     {
196         var sp = stackpenal_DrinkMenu.Children[i]
197         as StackPanel;
198         var cb = sp.Children[0] as CheckBox;
199         var sl = sp.Children[1] as Slider;
200         string drinkName = cb.Content.ToString
201         ().Substring(0,4);
202         int quantity = Convert.ToInt32(sl.Value);
```

```
197
198         if(cb.IsChecked==true && quantity != 0)
199         {
200             myOrders.Add(drinkName, quantity);
201         }
202     }
203 }
204
205 private void RadioButton_Checked(object sender,  ➤
206     RoutedEventArgs e)
207 {
208     var rb = sender as RadioButton;
209     if(rb.IsChecked == true) takeout =  ➤
210         rb.Content.ToString();
211 }
212
213 private void smuit_Click(object sender,  ➤
214     RoutedEventArgs e)
215 {
216     // 使用 SaveFileDialog 讓使用者指定儲存位置和檔名
217     SaveFileDialog saveFileDialog = new  ➤
218         SaveFileDialog();
219     saveFileDialog.Filter = "文字檔|*.txt";
220     if (saveFileDialog.ShowDialog() == true)  ➤
221     {
222         string filename =  ➤
223             saveFileDialog.FileName;
224         using (StreamWriter writer = new  ➤
225             StreamWriter(filename))
226         {
227             writer.WriteLine("您所訂購的飲品名  ➤
228                 細：");
229             foreach (var item in orders)
230             {
231                 string drinkName = item.Key;
232                 int quantity = item.Value;
233                 int price = drinks[drinkName];
234                 writer.WriteLine($"{drinkName} X  ➤
235                     {quantity}杯，每杯{price}元，總共{price *  ➤
236                         quantity}元");
237             }
238             writer.Close();
239         }
240     }
```

```
233         };  
234     }  
235  
236  
237     }  
238 }  
239
```