```
...shengyunn\C_SHAP_APP\WpfApp1\MainWindow.xaml
  1 <Window x:Class="WpfApp1.MainWindow"</pre>
            xmlns="http://schemas.microsoft.com/winfx/2006/xaml/
 2
              presentation"
  3
            xmlns:x="http://schemas.microsoft.com/winfx/2006/
 4
            xmlns:d="http://schemas.microsoft.com/expression/
              blend/2008"
            xmlns:mc="http://schemas.openxmlformats.org/markup-
  5
              compatibility/2006"
  6
            xmlns:local="clr-namespace:WpfApp1"
 7
            mc:Ignorable="d"
            Title="2023選課系統" Height="600" Width="1200">
 8
 9
        <Grid>
            <Grid.RowDefinitions>
10
11
                 <RowDefinition Height="50"/>
                 <RowDefinition Height="500*"/>
12
                 <RowDefinition Height="30"/>
13
            </Grid.RowDefinitions>
14
            <Grid.ColumnDefinitions>
15
16
                 <ColumnDefinition Width="500*"/>
                 <ColumnDefinition Width="100"/>
17
18
                 <ColumnDefinition Width="500*"/>
19
            </Grid.ColumnDefinitions>
            <StackPanel Orientation="Horizontal"</pre>
20
              Grid.ColumnSpan="3" Background="{DynamicResource
              {x:Static SystemColors.InfoBrushKey}}">
                 <Label Content="學生" FontSize="18"</pre>
21
                   VerticalAlignment="Center"
                   HorizontalAlignment="Left" Margin="100,0,0,0"/>
                 <ComboBox x:Name="cmbStudent" Width="150"</pre>
22
                   VerticalAlignment="Center"
                   HorizontalAlignment="Left"
                   SelectionChanged="cmbStudent_SelectionChanged"/ →
                   >
23
            </StackPanel>
24
            <StatusBar Grid.Row="2" Grid.ColumnSpan="3">
                 <Label x:Name="labelStatus"</pre>
25
                                                                     P
                   VerticalAlignment="Center"
                   HorizontalAlignment="Left" Margin="100,0,0,0"
                   Width="300" Height="30" />
26
            </StatusBar>
            <TabControl Grid.Row="1" Background=\_"#FFEAF1D9" >
27
                 <TabItem Header="以教師來分類課程">
28
                     <TreeView x:Name="tvTeacher"</pre>
29
                    Background="{DynamicResource {x:Static
```

SystemColors.ControlBrushKey}}"

SelectedItemChanged="tvTeacher_SelectedItemCha→

```
nged">
30
                        <TreeView.Resources>
31
                             <!-- Teacher 節點的模板-->
32
                             <HierarchicalDataTemplate</pre>
                    DataType="{x:Type local:Teacher}"
                    ItemsSource="{Binding TeachingCourses}">
                                 <StackPanel
33
                    Orientation="Horizontal">
34
                                     <Image Width="20" Height="20" >
                     Source="teacher.png" />
35
                                     <TextBlock Text="{Binding</pre>
                    TeacherName}"/>
36
                                     <TextBlock Text="("/>
37
                                     <TextBlock Text="{Binding</pre>
                    TeachingCourses.Count}"/>
                                     <TextBlock Text=")"/>
38
                                 </StackPanel>
39
                             </HierarchicalDataTemplate>
40
                             <!-- Course節點的模板-->
41
42
                             <DataTemplate DataType="{x:Type</pre>
                    local:Course}">
43
                                 <StackPanel
                    Orientation="Horizontal">
44
                                     <Image Width="20" Height="20" >
                     Source="course.png"/>
45
                                     <TextBlock Text="{Binding</pre>
                                                                     P
                    CourseName}" FontWeight="Bold"
                                                                     P
                    Foreground=■"blue"/>
                                     <TextBlock Text=" : "/>
46
47
                                     <TextBlock Text="{Binding
                    OpeningClass}"/>
                                     <TextBlock Text=" "/>
48
49
                                     <TextBlock Text="{Binding
                    Type}"/>
50
                                     <TextBlock Text="{Binding</pre>
                    Point}" Foreground=■"Red" FontWeight="Bold"/>
                                     <TextBlock Text="學分"/>
51
                                 </StackPanel>
52
                             </DataTemplate>
53
                        </TreeView.Resources>
54
55
                    </TreeView>
                </TabItem>
56
                <TabItem Header="所有課程">
57
                    <ListBox x:Name="lbCourse"</pre>
58
                    Background=□"#FFFAF9E4"
                    SelectionChanged="lbCourse_SelectionChanged">
59
                        <ListBox.Resources>
```

```
<DataTemplate DataType="{x:Type</pre>
60
                   local:Course}">
61
                                 <StackPanel>
62
                                     <StackPanel
                    Orientation="Horizontal">
63
                                         <TextBlock Text="{Binding >
                     CourseName}" FontWeight="Bold"
                    Foreground=■"blue"/>
64
                                         <TextBlock Text=" : "/>
65
                                         <TextBlock Text="{Binding >
                     Point}"/>
                                         <TextBlock Text="學分"/>
66
67
                                     </StackPanel>
68
                                     <StackPanel
                                                                    P
                    Orientation="Horizontal">
69
                                         <TextBlock Text="{Binding >
                     Type}" />
                                         <TextBlock Text=" "/>
70
71
                                         <TextBlock Text="{Binding >
                     OpeningClass}" Foreground=■"DarkBlue"/>
72
                                     </StackPanel>
                                 </StackPanel>
73
74
                            </DataTemplate>
75
                        </ListBox.Resources>
76
                    </ListBox>
77
                </TabItem>
78
            </TabControl>
            <StackPanel Grid.Row="1" Grid.Column="1"</pre>
79
              Orientation="Vertical">
80
                <Button x:Name="btnRegister" Content="選課"</pre>
                  Width="80" Height="50" Margin="0,100,0,0"
                  FontSize="16" FontWeight="Bold"
                  Click="btnRegister_Click" />
                <Button x:Name="btnWithdrawl" Content="退選"</pre>
81
                                                                     P
                  Width="80" Height="50" Margin="0,20,0,0"
                  FontSize="16" FontWeight="Bold"
                                                                     P
                  Click="btnWithdrawl_Click" />
                <Button x:Name="btnSave" Content="儲存紀錄"</pre>
82
                                                                     7
                  Width="80" Height="50" Margin="0,20,0,0"
                  FontSize="16" FontWeight="Bold"
                  Click="btnSave_Click" />
            </StackPanel>
83
            <ListView x:Name="lvRecord" ItemsSource="{Binding</pre>
84
              records}" Grid.Row="1" Grid.Column="2"
              SelectionChanged="lvRecord_SelectionChanged">
                <ListView.Background>
85
86
                    <ImageBrush</pre>
                                                                    P
```

```
ImageSource="/221005020507_1489.jpg"/>
                 </ListView.Background>
87
                 <ListView.View>
88
89
                     <GridView>
                         <GridViewColumn Header="學號"</pre>
90
                     DisplayMemberBinding="{Binding
                     SelectedStudent.StudentId}"/>
                         <GridViewColumn Header="姓名"</pre>
91
                     DisplayMemberBinding="{Binding
                     SelectedStudent.StudentName}"/>
                         <GridViewColumn Header="課程名稱"</pre>
92
                     DisplayMemberBinding="{Binding
                     SelectedCourse.CourseName}"/>
93
                         <GridViewColumn Header="學分"</pre>
                     DisplayMemberBinding="{Binding
                     SelectedCourse.Point}"/>
                         <GridViewColumn Header="類別"
94
                     DisplayMemberBinding="{Binding
                     SelectedCourse.Type}"/>
                         <GridViewColumn Header="開課班級"</pre>
95
                    DisplayMemberBinding="{Binding
                     SelectedCourse.OpeningClass}"/>
                     </GridView>
96
97
                 </ListView.View>
98
            </ListView>
        </Grid>
99
100 </Window>
```