```
... ocuments\zhuang-c-sharp\ClassLesson\MainWindow.xaml
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```
<Window x:Class="ClassLesson.MainWindow"</pre>
            xmlns="http://schemas.microsoft.com/winfx/2006/xaml/
2
              presentation"
            xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
3
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:ClassLesson"
7
            mc: Ignorable="d"
            Title="2023選課系統" Height="600" Width="1200">
 8
       <Grid>
9
            <Grid.RowDefinitions>
10
11
                <RowDefinition Height="50"/>
                <RowDefinition Height="500*"/>
12
13
                <RowDefinition Height="30"/>
            </Grid.RowDefinitions>
14
15
            <Grid.ColumnDefinitions>
16
                <ColumnDefinition Width="500*"/>
                <ColumnDefinition Width="100"/>
17
                <ColumnDefinition Width="500*"/>
18
            </Grid.ColumnDefinitions>
19
            <StackPanel Orientation="Horizontal" Background="#FFFDDFDF"</pre>
20
              Grid.ColumnSpan="3">
21
                <Label Content="學生" FontSize="18"</pre>
                  VerticalAlignment="Center" HorizontalAlignment="Left"
                  Margin="100,0,0,0"/>
22
                <ComboBox x:Name="cmbStudent" Width="150"</pre>
                  VerticalAlignment="Center" HorizontalAlignment="Left"
                  SelectionChanged="cmbStudent_SelectionChanged"/>
23
            </StackPanel>
24
            <StatusBar Grid.Row="2" Grid.ColumnSpan="3">
25
                <Label x:Name="labelStatus" VerticalAlignment="Center"</pre>
                  HorizontalAlignment="Left" Margin="100,0,0,0" Width="300"
                  Height="30" />
26
            </StatusBar>
            <TabControl Grid.Row="1" Background= "#FFEAF1D9" >
27
28
                <TabItem Header="以教師來分類課程">
                    <TreeView x:Name="tvTeacher" Background=" #FFE2F6F2"</pre>
29
                      SelectedItemChanged="tvTeacher_SelectedItemChanged">
30
                        <TreeView.Resources>
                            <!-- Teacher 節點的模板-->
31
                            <HierarchicalDataTemplate DataType="{x:Type</pre>
32
                       local:Teacher}" ItemsSource="{Binding
                       TeachingCourses}">
33
                                 <StackPanel Orientation="Horizontal">
34
                                     <Image Width="20" Height="20" Source="/ >
                      teacher.png" />
35
                                     <TextBlock Text="{Binding TeacherName}"/>>
36
                                     <TextBlock Text="("/>
37
                                     <TextBlock Text="{Binding</pre>
                                                                                P
                       TeachingCourses.Count}"/>
                                     <TextBlock Text=")"/>
```

```
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39
                                 </StackPanel>
                            </HierarchicalDataTemplate>
40
                            <!-- Course節點的模板-->
41
42
                            <DataTemplate DataType="{x:Type local:Course}">
                                 <StackPanel Orientation="Horizontal">
43
44
                                     <Image Width="20" Height="20" Source="/</pre>
                       course.png"/>
45
                                     <TextBlock Text="{Binding CourseName}"
                       FontWeight="Bold" Foreground= "blue" />
                                     <TextBlock Text=" : "/>
46
47
                                     <TextBlock Text="{Binding</pre>
                       OpeningClass}"/>
48
                                     <TextBlock Text=" "/>
49
                                     <TextBlock Text="{Binding Type}"/>
50
                                     <TextBlock Text="{Binding Point}"
                       Foreground= "Red" FontWeight="Bold" />
                                     <TextBlock Text="學分"♪
51
52
                                 </StackPanel>
53
                             </DataTemplate>
54
                        </TreeView.Resources>
55
                    </TreeView>
                </TabItem>
56
57
                <TabItem Header="所有課程">
                    <ListBox x:Name="lbCourse" Background=" "#FFFAF9E4"</pre>
58
                      SelectionChanged="lbCourse_SelectionChanged">
59
                        <ListBox.Resources>
                            <DataTemplate DataType="{x:Type local:Course}">
60
                                 <StackPanel>
61
                                     <StackPanel Orientation="Horizontal">
62
                                         <TextBlock Text="{Binding
63
                      CourseName}" FontWeight="Bold" Foreground= "blue" >
                                         <TextBlock Text=" : "/>
64
65
                                         <TextBlock Text="{Binding Point}"/>
                                         <TextBlock Text="學分"/>
66
                                     </StackPanel>
67
                                     <StackPanel Orientation="Horizontal">
68
                                         <TextBlock Text="{Binding Type}" />
69
                                         <TextBlock Text=" "/>
70
71
                                         <TextBlock Text="{Binding</pre>
                       OpeningClass}" Foreground= DarkBlue />
72
                                     </StackPanel>
                                 </StackPanel>
73
74
                             </DataTemplate>
75
                        </ListBox.Resources>
76
                    </ListBox>
77
                </TabItem>
78
            </TabControl>
79
            <StackPanel Grid.Row="1" Grid.Column="1" Orientation="Vertical">
                <Button x:Name="btnRegister" Content="選課" Width="80"</pre>
80
                                                                                P
                  Height="50" Margin="0,100,0,0" FontSize="16"
                                                                                P
                  FontWeight="Bold" Click="btnRegister_Click" />
                <Button x:Name="btnWithdrawl" Content="退選" Width="80"
81
                                                                                P
                  Height="50" Margin="0,20,0,0" FontSize="16"
                                                                                P
```

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... ocuments\zhuang-c-sharp\ClassLesson\MainWindow.xaml
                  FontWeight="Bold" Click="btnWithdrawl_Click" />
                <Button x:Name="btnSave" Content="儲存紀錄" Width="80"
82
                                                                                P
                  Height="50" Margin="0,20,0,0" FontSize="16"
                                                                                P
                  FontWeight="Bold" Click="btnSave_Click" />
83
            </StackPanel>
84
            <ListView x:Name="lvRecord" ItemsSource="{Binding records}"</pre>
                                                                                P
             Grid.Row="1" Grid.Column="2" Background=\"#FFE6DEFC"
             SelectionChanged="lvRecord_SelectionChanged">
                <ListView.View>
85
                    <GridView>
86
87
                        <GridViewColumn Header="學號"</pre>
                      DisplayMemberBinding="{Binding
                      SelectedStudent.StudentId}"/>
                        <GridViewColumn Header="姓名"
88
                      DisplayMemberBinding="{Binding
                      SelectedStudent.StudentName}"/>
                        <GridViewColumn Header="課程名稱"</pre>
89
                      DisplayMemberBinding="{Binding
                                                                                P
                      SelectedCourse.CourseName}"/>
90
                        <GridViewColumn Header="學分"
                      DisplayMemberBinding="{Binding SelectedCourse.Point}"/>>
                        <GridViewColumn Header="類別"</pre>
91
                      DisplayMemberBinding="{Binding SelectedCourse.Type}"/>
92
                        <GridViewColumn Header="開課班級"</pre>
                                                                                P
                      DisplayMemberBinding="{Binding
                                                                                P
                      SelectedCourse.OpeningClass}"/>
93
                    </GridView>
94
                </ListView.View>
95
            </ListView>
96
        </Grid>
   </Window>
```