

```
1  //using System;
2  //using System.Collections.Generic;
3  //using System.Linq;
4  //using System.Text;
5  //using System.Threading.Tasks;
6  //using System.Windows;
7  //using System.Windows.Controls;
8  //using System.Windows.Data;
9  //using System.Windows.Documents;
10 //using System.Windows.Input;
11 //using System.Windows.Media;
12 //using System.Windows.Media.Imaging;
13 //using System.Windows.Navigation;
14 //using System.Windows.Shapes;
15
16 //namespace PipeTagger.Windows
17 //{
18 //    /// <summary>
19 //    /// setting_tag.xaml 的互動邏輯
20 //    /// </summary>
21 //    public partial class setting_tag : UserControl
22 //    {
23 //        public setting_tag()
24 //        {
25 //            InitializeComponent();
26 //        }
27 //    }
28 //}
29
30 using System;
31 using System.Collections.Generic;
32 using System.Linq;
33 using System.Text;
34 using System.Threading.Tasks;
35 using System.Windows;
36 using Autodesk.Revit.DB;
37 using Autodesk.Revit.UI;
38 using System.Windows.Controls;
39 using System.Windows.Data;
40 using System.Windows.Documents;
41 using System.Windows.Input;
42 using System.Windows.Media;
43 using System.Windows.Media.Imaging;
44 using System.Windows.Navigation;
45 using System.Windows.Shapes;
46
47 namespace PipeTagger.Windows
48 {
49     /// <summary>
50     /// NothingWindow.xaml 的互動邏輯
51     /// </summary>
52     public partial class setting_tag : Window
53     {
```

```
54     private UIApplication uiapp;
55     private UIDocument uidoc;
56     private Autodesk.Revit.ApplicationServices.Application app;
57     private Document doc;
58
59     public setting_tag(UIDocument uIDoc)
60     {
61         uidoc = uIDoc;
62         doc = uidoc.Document;
63         InitializeComponent();
64         Title = "管排標籤設定";
65
66         //Image source
67         PI_Image.Source = Common.UI_Tool.GetImageSource                ➤
68             (Properties.Resources.PI_Crop_96);
69         DT_Image.Source = Common.UI_Tool.GetImageSource                ➤
70             (Properties.Resources.DT_Crop_96);
71         CN_Image.Source = Common.UI_Tool.GetImageSource                ➤
72             (Properties.Resources.CN_Crop_96);
73         CT_Image.Source = Common.UI_Tool.GetImageSource                ➤
74             (Properties.Resources.CT_Crop_96);
75         Tag_Image.Source = Common.UI_Tool.GetImageSource                ➤
76             (Properties.Resources.Tag_setting_dist);
77
78         //1st_optio
79         PI_1st_option.ItemsSource = Common.UI_Tool.Get_Tag_1st_options  ➤
80             ("管", doc);
81         DT_C_1st_option.ItemsSource = Common.UI_Tool.Get_Tag_1st_options  ➤
82             ("圓風管", doc);
83         DT_R_1st_option.ItemsSource = Common.UI_Tool.Get_Tag_1st_options  ➤
84             ("方風管", doc);
85         CN_1st_option.ItemsSource = Common.UI_Tool.Get_Tag_1st_options  ➤
86             ("電管", doc);
87         CT_1st_option.ItemsSource = Common.UI_Tool.Get_Tag_1st_options  ➤
88             ("電纜架", doc);
89
90         PI_1st_option.SelectedItem =                                     ➤
91             Properties.Settings.Default.PI_1st_Selected;
92         DT_C_1st_option.SelectedItem =                                   ➤
93             Properties.Settings.Default.DT_C_1st_Selected;
94         DT_R_1st_option.SelectedItem =                                   ➤
95             Properties.Settings.Default.DT_R_1st_Selected;
96         CN_1st_option.SelectedItem =                                     ➤
97             Properties.Settings.Default.CN_1st_Selected;
98         CT_1st_option.SelectedItem =                                     ➤
99             Properties.Settings.Default.CT_1st_Selected;
100
101         //2nd_option
102         //PI_2nd_option.ItemsSource = Common.UI_Tool.Get_Tag_2nd_options  ➤
103             (PI_1st_option.SelectedItem.ToString(), doc);
104         //DT_C_2nd_option.ItemsSource = Common.UI_Tool.Get_Tag_2nd_options  ➤
105             (DT_C_1st_option.SelectedItem.ToString(), doc);
106         //DT_R_2nd_option.ItemsSource = Common.UI_Tool.Get_Tag_2nd_options  ➤
```

```
(DT_R_1st_option.SelectedItem.ToString(), doc);
90 //CN_2nd_option.ItemsSource = Common.UI_Tool.Get_Tag_2nd_options
(CN_1st_option.SelectedItem.ToString(), doc);
91 //CT_2nd_option.ItemsSource = Common.UI_Tool.Get_Tag_2nd_options
(CT_1st_option.SelectedItem.ToString(), doc);
92
93 PI_2nd_option.SelectedItem =
Properties.Settings.Default.PI_2nd_Selected;
94 DT_C_2nd_option.SelectedItem =
Properties.Settings.Default.DT_C_2nd_Selected;
95 DT_R_2nd_option.SelectedItem =
Properties.Settings.Default.DT_R_2nd_Selected;
96 CN_2nd_option.SelectedItem =
Properties.Settings.Default.CN_2nd_Selected;
97 CT_2nd_option.SelectedItem =
Properties.Settings.Default.CT_2nd_Selected;
98
99 //Tag setting
100 LenValue.Value = Properties.Settings.Default.label_length_mm;
101 DistValue.Value = Properties.Settings.Default.label_dist_mm;
102 }
103
104 private void ContinueButton_Click(object sender, RoutedEventArgs e)
105 {
106
107 //if (PI_1st_option.SelectedItem == null ||
108 // DT_C_1st_option.SelectedItem == null ||
109 // DT_R_1st_option.SelectedItem == null ||
110 // CN_1st_option.SelectedItem == null ||
111 // CT_1st_option.SelectedItem == null)
112 //{
113 // MessageBox.Show("請確保每種管都有對應的標籤跟內容，或按「取
114 // 消」後載入標籤。");
115 // return;
116 //}
117
118 if (PI_1st_option.SelectedItem != null)
119 { Properties.Settings.Default.PI_1st_Selected =
PI_1st_option.SelectedItem.ToString(); }
119 if (DT_C_1st_option.SelectedItem != null)
120 { Properties.Settings.Default.DT_C_1st_Selected =
DT_C_1st_option.SelectedItem.ToString();}
120 if (DT_R_1st_option.SelectedItem != null)
121 { Properties.Settings.Default.DT_R_1st_Selected =
DT_R_1st_option.SelectedItem.ToString();}
121 if (CN_1st_option.SelectedItem != null)
122 { Properties.Settings.Default.CN_1st_Selected =
CN_1st_option.SelectedItem.ToString();}
122 if (CT_1st_option.SelectedItem != null)
123 { Properties.Settings.Default.CT_1st_Selected =
CT_1st_option.SelectedItem.ToString();}
```

```

...pi\Work\2. PipeTagger\PipeTagger\Windows\setting_tag.xaml.cs 4
124         if (PI_2nd_option.SelectedItem != null)  P
            { Properties.Settings.Default.PI_2nd_Selected =  P
              PI_2nd_option.SelectedItem.ToString();}
125         if (DT_C_2nd_option.SelectedItem != null)  P
            { Properties.Settings.Default.DT_C_2nd_Selected =  P
              DT_C_2nd_option.SelectedItem.ToString();}
126         if (DT_R_2nd_option.SelectedItem != null)  P
            { Properties.Settings.Default.DT_R_2nd_Selected =  P
              DT_R_2nd_option.SelectedItem.ToString();}
127         if (CN_2nd_option.SelectedItem != null)  P
            { Properties.Settings.Default.CN_2nd_Selected =  P
              CN_2nd_option.SelectedItem.ToString();}
128         if (CT_2nd_option.SelectedItem != null)  P
            { Properties.Settings.Default.CT_2nd_Selected =  P
              CT_2nd_option.SelectedItem.ToString();}

129
130         Properties.Settings.Default.label_length_mm = (int)LenValue.Value;
131         Properties.Settings.Default.label_dist_mm = (int)DistValue.Value;
132
133         Properties.Settings.Default.Save();
134
135         Close();
136         return;
137     }
138
139     private void CancelButton_Click(object sender, RoutedEventArgs e)
140     {
141         Close();
142         return;
143     }
144
145     #region SelectionChanged
146     private void PI_1st_option_SelectionChanged(object sender,  P
        SelectionChangedEventArgs e)
147     {
148         PI_2nd_option.ItemsSource = Common.UI_Tool.Get_Tag_2nd_options  P
            (e.AddedItems[0].ToString(), doc);
149         PI_2nd_option.SelectedIndex = 0;
150     }
151
152     private void DT_R_1st_option_SelectionChanged(object sender,  P
        SelectionChangedEventArgs e)
153     {
154         DT_R_2nd_option.ItemsSource = Common.UI_Tool.Get_Tag_2nd_options  P
            (e.AddedItems[0].ToString(), doc);
155         DT_R_2nd_option.SelectedIndex = 0;
156     }
157
158     private void DT_C_1st_option_SelectionChanged(object sender,  P
        SelectionChangedEventArgs e)
159     {
160         DT_C_2nd_option.ItemsSource = Common.UI_Tool.Get_Tag_2nd_options  P
            (e.AddedItems[0].ToString(), doc);

```

```
161         DT_C_2nd_option.SelectedIndex = 0;
162     }
163
164     private void CN_1st_option_SelectionChanged(object sender,           ↗
        SelectionChangedEventArgs e)
165     {
166         CN_2nd_option.ItemsSource = Common.UI_Tool.Get_Tag_2nd_options   ↗
            (e.AddedItems[0].ToString(), doc);
167         CN_2nd_option.SelectedIndex = 0;
168     }
169
170     private void CT_1st_option_SelectionChanged(object sender,           ↗
        SelectionChangedEventArgs e)
171     {
172         CT_2nd_option.ItemsSource = Common.UI_Tool.Get_Tag_2nd_options   ↗
            (e.AddedItems[0].ToString(), doc);
173         CT_2nd_option.SelectedIndex = 0;
174     }
175
176     #endregion
177
178
179     //private void ShowSomeText(object sender, RoutedEventArgs e)
180     //{
181     //    Label_Name.Content = text.Text;
182     //    Properties.Settings.Default.Test_text = text.Text; //Save for   ↗
        one time only
183     //    Properties.Settings.Default.Save(); //Save for next open
184
185     //    MessageBox.Show(text.Text); /*text is from the xaml file       ↗
        variable*/
186     //    Close();
187     //    return;
188     //}
189 }
190 }
191
```