

```
1 // CSmartColourBuiltin.cpp : implementation file
2 //
3
4 #include "pch.h"
5 #include "DesignArk.h"
6 #include "afxdialogex.h"
7 #include "CSmartColourBuiltin.h"
8
9
10 // CSmartColourBuiltin dialog
11
12 IMPLEMENT_DYNAMIC(CSmartColourBuiltin, CMFCPropertyPage)
13
14 CSmartColourBuiltin::CSmartColourBuiltin(std::vector<CString>      7
    classes_string, COLORREF classes_colour, std::vector<CString>  7
    functions_string, COLORREF functions_colour, CWnd* pParent /   7
    *==nullptr*/)
15     : CMFCPropertyPage(IDD_SMARTCOLOUR_BUILTIN/*, pParent*/)
16 {
17     this->m_Listbox_Builtin_Classes_var = classes_string;
18     this->m_Combo_Builtin_Classes_colour_var = classes_colour;
19
20     this->m_Listbox_Builtin_Functions_var = functions_string;
21     this->m_Combo_Builtin_Functions_colour_var = functions_colour;
22 }
23
24 CSmartColourBuiltin::~CSmartColourBuiltin()
25 {
26 }
27
28 void CSmartColourBuiltin::DoDataExchange(CDataExchange* pDX)
29 {
30     CMFCPropertyPage::DoDataExchange(pDX);
31     DDX_Control(pDX, IDC_MFCVSLISTBOX_BUILTIN_CLASSES,      7
        m_Listbox_Builtin_Classes_control);
32     DDX_Control(pDX, IDC_COMBO_COLOUR_BUILTIN_CLASSES,      7
        m_Combo_Builtin_Classes_colour_control);
33     DDX_Control(pDX, IDC_MFCVSLISTBOX_BUILTIN_FUNCTIONS,    7
        m_Listbox_Builtin_Functions_control);
34     DDX_Control(pDX, IDC_COMBO_COLOUR_BUILTIN_FUNCTIONS,    7
        m_Combo_Builtin_Functions_colour_control);
35 }
36
37 BOOL CSmartColourBuiltin::OnInitDialog()
38 {
39     CDialog::OnInitDialog();
40
41     for (auto& it : this->m_Listbox_Builtin_Classes_var) {
42         this->m_Listbox_Builtin_Classes_control.AddItem(it);
43     }
44     this->m_Combo_Builtin_Classes_colour_control.SetColor(this- 7
        >m_Combo_Builtin_Classes_colour_var);
45
46     for (auto& it : this->m_Listbox_Builtin_Functions_var) {
47         this->m_Listbox_Builtin_Functions_control.AddItem(it);
48     }
```

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49     this->m_Combo_Builtin_Functions_colour_control.SetColor(this-  
        >m_Combo_Builtin_Functions_colour_var);  
50  
51     return 0;  
52 }  
53  
54 BOOL CSmartColourBuiltin::OnKillActive()  
55 {  
56     // Classes  
57     this->m_Listbox_Builtin_Classes_var.resize(this-  
        >m_Listbox_Builtin_Classes_control.GetCount());  
58  
59     for (int i = 0; i < this-  
        >m_Listbox_Builtin_Classes_control.GetCount(); i++) {  
60         this->m_Listbox_Builtin_Classes_var[i] = this-  
            >m_Listbox_Builtin_Classes_control.GetItemText(i);  
61     }  
62  
63     // Insertion Sort  
64     for (int i = 1; i < this->m_Listbox_Builtin_Classes_var.size(); i++) {  
65         CString currentValue = this->m_Listbox_Builtin_Classes_var  
            [i];  
66         int pos = i;  
67  
68         while (pos > 0 && this->m_Listbox_Builtin_Classes_var[pos -  
            1] > currentValue) {  
69             this->m_Listbox_Builtin_Classes_var[pos] = this-  
                >m_Listbox_Builtin_Classes_var[pos - 1];  
70             pos--;  
71         }  
72         this->m_Listbox_Builtin_Classes_var[pos] = currentValue;  
73     }  
74  
75     this->m_Combo_Builtin_Classes_colour_var = this-  
        >m_Combo_Builtin_Classes_colour_control.GetColor();  
76  
77     //Functions  
78     this->m_Listbox_Builtin_Functions_var.resize(this-  
        >m_Listbox_Builtin_Functions_control.GetCount());  
79  
80     for (int i = 0; i < this-  
        >m_Listbox_Builtin_Functions_control.GetCount(); i++) {  
81         this->m_Listbox_Builtin_Functions_var[i] = this-  
            >m_Listbox_Builtin_Functions_control.GetItemText(i);  
82     }  
83  
84     // Insertion Sort  
85     for (int i = 1; i < this->m_Listbox_Builtin_Functions_var.size  
        (); i++) {  
86         CString currentValue = this->m_Listbox_Builtin_Functions_var  
            [i];  
87         int pos = i;  
88  
89         while (pos > 0 && this->m_Listbox_Builtin_Functions_var[pos  
            - 1] > currentValue) {
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90         this->m_Listbox_Builtin_Functions_var[pos] = this-  
            >m_Listbox_Builtin_Functions_var[pos - 1];  
91         pos--;  
92     }  
93     this->m_Listbox_Builtin_Functions_var[pos] = currentValue;  
94 }  
95  
96     this->m_Combo_Builtin_Functions_colour_var = this-  
        >m_Combo_Builtin_Functions_colour_control.GetColor();  
97  
98  
99     return CMFCPropertyPage::OnKillActive();  
100 }  
101  
102  
103 BEGIN_MESSAGE_MAP(CSmartColourBuiltin, CMFCPropertyPage)  
104 END_MESSAGE_MAP()  
105  
106  
107 // CSmartColourBuiltin message handlers  
108
```