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Subject: [Feature+Patch] CodeEditor: Text Highlighting

Posted by [omari](#) on Mon, 13 Jan 2020 20:28:34 GMT

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CodeEditor.h:

```
class CodeEditor : public LineEdit,
public HighlightSetup
{
..

static Array<CodeEditor*> instances;

..
void StdBar(Bar& menu);
..
```

CodeEditor.cpp:

```
Array<CodeEditor*> CodeEditor::instances;

VectorMap<String, int>& highlightList()
{
static VectorMap<String, int> map;
return map;
}

#define CUSTUM_Hi_COUNT 11

static Color highlightColors[CUSTUM_Hi_COUNT] =
{
Color(255, 105, 30), // 01
Color(0xC0, 0xC0, 0xC0), // 02
LtMagenta(), // 03
LtCyan(), // 04
Color(198, 255, 50), // 05
Color(255, 0xE4, 0xE1), // 06
Color(0x32, 0xCD, 0x32), // 07
Color(0x5E, 0x90, 0xFF), // 08
Color(0x7F, 0xFF, 0xD4), // 09
Color(0xFF, 0xD7, 0x00), // 10
Color(0xAF, 0xEE, 0xEE) // 11
};
```

```

static Color highlightColorsDark[CUSTOM_Hi_COUNT] =
{
    Color(120, 50, 20), // 01
    Color(0x60, 0x60, 0x60), // 02
    Magenta(), // 03
    Cyan(), // 04
    Color(99, 126, 25), // 05
    Color(126, 0x72, 0x71), // 06
    Color(0x16, 0x70, 0x16), // 07
    Color(0x30, 0x45, 0x88), // 08
    Color(0x40, 0x88, 0x79), // 09
    Color(0x88, 0x66, 0x00), // 10
    Color(0x55, 0x77, 0x77) // 11
};

static Image mkImg(int i, int cx = 16, int cy = 16)
{
    ImageDraw w(cx,cy);
    w.DrawRect(Size(cx,cy), IsDarkTheme()? highlightColorsDark[i] : highlightColors[i]);
    return w;
}

void CodeEditor::StdBar(Bar& menu)
{
    static auto RefreshInstances = []{
        for(auto e: instances)
            e->Refresh();
    };
    menu.Sub(t_("Highlight"), [&](Bar& bar) {
        String a = GetSelection();
        if(a.GetCount()){
            if(highlightList().Find(a) >= 0){
                bar.Add(t_("UnHighlight"), [a, this]{highlightList().RemoveKey(a); RefreshInstances();});
                bar.Separator();
            }
            for(int i = 0; i < CUSTOM_Hi_COUNT; i++){
                bar.Add( t_ ("style ") + AsString(i + 1), [a, i, this]{highlightList().GetAdd(a) = i;
RefreshInstances();}
                ).Image(mkImg(i));
            }
            bar.Separator();
        }
        bar.Add(t_("Clear Highlighting"), [this]{highlightList().Clear(); RefreshInstances();});
    });
    LineEdit::StdBar(menu);
}

```



## File Attachments

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1) [highlighting.PNG](#), downloaded 455 times

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