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Subject: Simple app-wide "macros"

Posted by [mirek](#) on Wed, 12 Dec 2007 16:35:46 GMT

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I was asked by application user to provide some means to insert often repeated texts ("e.g. if I press F4, I want xyz to be inserted here).

This simple module allows you do define selection as macro using Ctrl+F1-10 a insert using F1-10, in EditField, DocEdit, LineEdit, RichEdit:

```
static WString s_macro[10];

bool MacroKeyHook(Ctrl *ctrl, dword key, int count)
{
    if(key >= K_CTRL_F1 && key <= K_CTRL_F10) {
        WString& txt = s_macro[key - K_CTRL_F1];
        int l, h;
        if(EditField *e = dynamic_cast<EditField *>(ctrl))
            if(e->GetSelection(l, h)) {
                txt = e->GetText().Mid(l, h - l);
                return true;
            }
        if(TextCtrl *e = dynamic_cast<TextCtrl *>(ctrl))
            if(e->GetSelection(l, h)) {
                txt = e->GetW(l, h - l);
                return true;
            }
        if(RichEdit *e = dynamic_cast<RichEdit *>(ctrl)) {
            txt = e->GetSelection().GetPlainText();
            return true;
        }
    }
    if(key >= K_F1 && key <= K_F10) {
        WString txt = s_macro[key - K_F1];
        if(EditField *e = dynamic_cast<EditField *>(ctrl)) {
            e->Insert(txt);
            return true;
        }
        if(TextCtrl *e = dynamic_cast<TextCtrl *>(ctrl)) {
            e->Paste(txt);
            return true;
        }
        if(RichEdit *e = dynamic_cast<RichEdit *>(ctrl)) {
            e->PasteText(AsRichText(txt, e->GetFormatInfo()));
            return true;
        }
    }
}
```

```
return false;
}

void SerializeTextMacros(Stream& s)
{
    int version = 0;
    s / version;
    for(int i = 0; i < 10; i++)
        s % s_macro[i];
}

INITBLOCK {
    Ctrl::InstallKeyHook(MacroKeyHook);
}
```

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