
Subject: X11 menu focus trouble

Posted by [mirek](#) on Sun, 02 Sep 2012 14:56:02 GMT

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I have noticed that after upgrading linux distro, menu focus stopped to behave as supposed (which is: there is no menu focus, owner window has focus).

In the end the issue was narrowed down to the patch intended to fix X11 in Mac OS X:

```
bool Ctrl::SetFocus0(bool activate)
{
    GuiLock __;
    USRLOG("    SETFOCUS " << Desc(this));
    LLOG("Ctrl::SetFocus " << Desc(this));
    LLOG("focusCtrlWnd " << UPP::Name(focusCtrlWnd));
    LLOG("Ctrl::SetFocus0 -> deferredSetFocus = NULL; was: " << UPP::Name(deferredSetFocus));
    deferredSetFocus = NULL;
    if(focusCtrl == this) return true;
    if(!IsOpen() || !IsEnabled() || !IsVisible()) return false;
    Ptr<Ctrl> pfocusCtrl = focusCtrl;
    Ptr<Ctrl> topwindow = GetTopWindow();
    Ptr<Ctrl> topctrl = GetTopCtrl();
    Ptr<Ctrl> _this = this;
    if(!topwindow) topwindow = topctrl;
    LLOG("SetFocus -> SetWndFocus: topwindow = " << UPP::Name(topwindow) << ", focusCtrlWnd
= " << UPP::Name(focusCtrlWnd));
    if(!topwindow->HasWndFocus() && !topwindow->SetWndFocus()) return false;// cxi 31.1.2004
#ifdef PLATFORM_OSX11 // ugly temporary hack - popups not behaving right in MacOS
    // before 2012-9-2 was #ifdef GUI_X11, but that caused issues in most linux distros (cxi)
    // as parent window of popup always manages focus/keyboard for popup in X11
    if(activate) // Dolik/fudadmin 2011-5-1
        topctrl->SetWndForeground();
#else
    topwindow->SetWndForeground(); // cxi 2007-4-27
#endif
    LLOG("SetFocus -> focusCtrl = this: " << FormatIntHex(this) << ", _this = " <<
FormatIntHex(~_this) << ", " << UPP::Name(_this));
    focusCtrl = _this;
    focusCtrlWnd = topwindow;
    DoKillFocus(pfocusCtrl, _this);
    LLOG("SetFocus 2");
    DoDeactivate(pfocusCtrl, _this);
    DoSetFocus(pfocusCtrl, _this, activate);
    if(topwindow)
        lastActiveWnd = topwindow;
    return true;
```

}

Please if you have time, please check whether actual svn sources behave well with menu focus. Wrong behaviour is when owner window of menu gets deactivated when menu popups - as seen with menu caption (and of course, menu not working is wrong as well .
