Subject: function TopWindow::Maximize does not work in linux.
Posted by nicomesas on Mon, 30 Oct 2006 19:41:14 GMT
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One first approach to solve this failure could be this.

```
void TopWindow::Maximize(bool effect)
{
  state = MAXIMIZED;
  // new lines added
  Rect r = Ctrl::GetWorkArea() ;
  SetFrameRect(r) ;
}
```

The problem to use this is that the window occupies all the screen available but its state is not maximized.

In order to be able to put the window in maximized way it is necessary to use a code like this

```
static void net_wm_state(const Ctrl* w, bool set, Atom one, Atom two = 0)
{

  XEvent e;
  e.xclient.type = ClientMessage;
  e.xclient.message_type = XAtom("_NET_WM_STATE");
  e.xclient.display = Xdisplay;
  e.xclient.window = w->GetWindow();
  e.xclient.format = 32;
  e.xclient.data.l[0] = set ? 1 : 0;
  e.xclient.data.l[1] = one;
  e.xclient.data.l[2] = two;
  e.xclient.data.l[3] = 0;
  e.xclient.data.l[4] = 0;
  XSendEvent(Xdisplay, Xroot, false, (SubstructureNotifyMask | SubstructureRedirectMask), &e);
}
void TopWindow::Maximize(bool effect)
{
  state = MAXIMIZED;
  net_wm_state(this, effect,
     XAtom("_NET_WM_STATE_MAXIMIZED_HORZ"),
     XAtom("_NET_WM_STATE_MAXIMIZED_VERT") ) ;
}
```

The bad thing of this code is that it requires that the X11 window exists... Good this is what I deduce nevertheless, because if I call this code in the constructor of my TopWindow does not do anything, but if I call it when the window already is, if that works well.

I had thought that in X11 something like the Windows WM_CREATE message would. I belivied

there was a ok place to do the maximize operation, but believe that my little knowledge of X11 do not give for more.

Subject: Re: function TopWindow::Maximize does not work in linux.
Posted by guido on Mon, 30 Oct 2006 21:18:25 GMT
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Hi Nico!

In TopWindow::SyncCaption() please add:

```
if (state == MAXIMIZED) {
   wina[n++] = XAtom("_NET_WM_STATE_MAXIMIZED_HORZ");
   wina[n++] = XAtom("_NET_WM_STATE_MAXIMIZED_VERT");
  }
```

above or below this line:

```
if(topmost)
 wina[n++] = XAtom("_NET_WM_STATE_ABOVE");
```

and report if that works.

That would be my guess.

Guido

Subject: Re: function TopWindow::Maximize does not work in linux.
Posted by nicomesas on Tue, 31 Oct 2006 08:26:03 GMT
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It works perfectly!

Could be added this functionality in the next one release?

Subject: Re: function TopWindow::Maximize does not work in linux.
Posted by mirek on Tue, 31 Oct 2006 10:39:09 GMT
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Added.

Thanks Guido, without you U++/X11 would not exist...

Mirek
