Subject: GetNumLock and GetScrollLock functions [FEATURE REQUEST]
Posted by Tom1 on Fri, 14 Mar 2008 08:33:46 GMT
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Hi,

Please add GetNumLock and GetScrollLock functions to CtrlCore package. The required code for Windows is here:

CtrlCore.h:

```
...
#ifdef PLATFORM_WIN32
#ifdef PLATFORM_WINCE
bool GetShift();
bool GetCtrl();
bool GetAlt();
bool GetCapsLock();
bool GetNumLock();  // Added by Tom
bool GetScrollLock();  // Added by Tom
bool GetMouseLeft();
bool GetMouseRight();
bool GetMouseMiddle();
#else
inline bool GetShift()      { return !!(GetKeyState(VK_SHIFT) & 0x8000); }
inline bool GetCtrl()       { return !!(GetKeyState(VK_CONTROL) & 0x8000); }
inline bool GetAlt()        { return !!(GetKeyState(VK_MENU) & 0x8000); }
inline bool GetCapsLock()   { return !!(GetKeyState(VK_CAPITAL) & 1); }
inline bool GetNumLock()    { return !!(GetKeyState(VK_NUMLOCK) & 1); } // Added by Tom
inline bool GetScrollLock() { return !!(GetKeyState(VK_SCROLL) & 1); }  // Added by Tom
inline bool GetMouseLeft()  { return !!(GetKeyState(VK_LBUTTON) & 0x8000); }
inline bool GetMouseRight() { return !!(GetKeyState(VK_RBUTTON) & 0x8000); }
inline bool GetMouseMiddle() { return !!(GetKeyState(VK_MBUTTON) & 0x8000); }
#endif
#endif

#ifdef PLATFORM_X11
bool GetShift();
bool GetCtrl();
bool GetAlt();
bool GetCapsLock();
inline bool GetNumLock(){ return false; } // Added by Tom
inline bool GetScrollLock(){ return false; } // Added by Tom
bool GetMouseLeft();
bool GetMouseRight();
bool GetMouseMiddle();
...
```

Win32Proc.cpp:

...
#ifdef PLATFORM_WINCE

bool GetShift() { return false; }
bool GetCtrl() { return false; }
bool GetAlt() { return false; }
bool GetCapsLock() { return false; }
bool GetNumLock() { return false; } // Added by Tom
bool GetScrollLock() { return false; } // Added by Tom

bool wince_mouseleft;
bool wince_mouseright;
...

I do not seem to be able to figure out how to do it in X, but I guess somebody else can...

// Tom

Subject: Re: GetNumLock and GetScrollLock functions [FEATURE REQUEST]
Posted by mirek on Fri, 14 Mar 2008 13:24:33 GMT
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Tom1 wrote on Fri, 14 March 2008 04:33Hi,

Please add GetNumLock and GetScrollLock functions to CtrlCore package. The required code for Windows is here:

CtrlCore.h:

...
#ifdef PLATFORM_WIN32
#ifdef PLATFORM_WINCE
bool GetShift();
bool GetCtrl();
bool GetAlt();
bool GetCapsLock();
bool GetNumLock(); // Added by Tom
bool GetScrollLock(); // Added by Tom
bool GetMouseLeft();
bool GetMouseRight();
bool GetMouseMiddle();
#else

```
inline bool GetShift()      { return !!(GetKeyState(VK_SHIFT) & 0x8000); }
inline bool GetCtrl()       { return !!(GetKeyState(VK_CONTROL) & 0x8000); }
inline bool GetAlt()        { return !!(GetKeyState(VK_MENU) & 0x8000); }
inline bool GetCapsLock()   { return !!(GetKeyState(VK_CAPITAL) & 1); }
inline bool GetNumLock()    { return !!(GetKeyState(VK_NUMLOCK) & 1); } // Added by Tom
inline bool GetScrollLock() { return !!(GetKeyState(VK_SCROLL) & 1); }  // Added by Tom
inline bool GetMouseLeft()  { return !!(GetKeyState(VK_LBUTTON) & 0x8000); }
inline bool GetMouseRight() { return !!(GetKeyState(VK_RBUTTON) & 0x8000); }
inline bool GetMouseMiddle() { return !!(GetKeyState(VK_MBUTTON) & 0x8000); }
#endif
#endif

#ifdef PLATFORM_X11
bool GetShift();
bool GetCtrl();
bool GetAlt();
bool GetCapsLock();
inline bool GetNumLock(){ return false; } // Added by Tom
inline bool GetScrollLock(){ return false; } // Added by Tom
bool GetMouseLeft();
bool GetMouseRight();
bool GetMouseMiddle();
...
```

Win32Proc.cpp:

```
...
#ifdef PLATFORM_WINCE

bool GetShift() { return false; }
bool GetCtrl() { return false; }
bool GetAlt() { return false; }
bool GetCapsLock() { return false; }
bool GetNumLock() { return false; } // Added by Tom
bool GetScrollLock() { return false; } // Added by Tom

bool wince_mouseleft;
bool wince_mouseright;
...
```

I do not seem to be able to figure out how to do it in X, but I guess somebody else can...

// Tom

Well, but what is the point, if we cannot do it in X11?

(WinCE admitedly is another issue completely, as it has not keyboard usually).

Mirek

Subject: Re: GetNumLock and GetScrollLock functions [FEATURE REQUEST]
Posted by Tom1 on Fri, 14 Mar 2008 15:23:56 GMT
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Quite frankly, I was kind of hoping someone already knew how to make it happen in X11 and would generously donate that knowledge to the Upp code base. If it is simply impossible, I will have to reconsider if I should anymore use key bindings to Scroll Lock at all.

// Tom

Subject: Re: GetNumLock and GetScrollLock functions [FEATURE REQUEST]
Posted by mirek on Sat, 15 Mar 2008 14:12:20 GMT
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Tom1 wrote on Fri, 14 March 2008 11:23Quite frankly, I was kind of hoping someone already knew how to make it happen in X11 and would generously donate that knowledge to the Upp code base. If it is simply impossible, I will have to reconsider if I should anymore use key bindings to Scroll Lock at all.

// Tom

I guess there is nothing wrong using them as long as you are doing Win32 application.

Anyway, the whole point of all these functions is to make it portable. Calling "(GetKeyState(VK_CAPITAL) & 1)" in Win32 app does look like a big deal to me

Mirek
