
Subject: Support for mouse fw/bk buttons
Posted by [mirek](#) on Thu, 19 Nov 2020 10:21:06 GMT
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CtrlCore now supports those additional mouse buttons that are on the side of the mouse and have forward/backward meaning.

Pressing translates to Key events with K_MOUSE_FORWARD and K_MOUSE_BACKWARD keycodes.

The CtrlCore supports this in Win32 and Linux/gtk. I will check MacOS later...

On application side, so far I have added support to:

theide navigation

helpwindow navigation

backward button does "dir up" in filesel - that is temporary solution, filesel will need history added for the full support...

Please suggest other widgets / situations which would benefit from these buttons!

Subject: Re: Support for mouse fw/bk buttons
Posted by [mirek](#) on Thu, 19 Nov 2020 19:43:06 GMT
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FileSel now supports fw button too....

Subject: Re: Support for mouse fw/bk buttons
Posted by [Klugier](#) on Thu, 19 Nov 2020 23:24:53 GMT
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Hello Mirek,

This is the perfect addition to people that has mouses with additional buttons (backward & forward). Thanks for implementing this? I am wonder if the mac implementation will respect back gesture on touchpad - would be great! For you that doesn't know how the mouses with this specific buttons looks like here is the link to google graphics.

I think the support for the controls you have mentioned are sufficient. The only thing I would change is to add buttons for backward and forward in file sel implementation. Limiting this functionality only to mouse owners is not optimal!

I also found some bugs in the current backward forward implementation inside CodeEditor and Help in TheIDE. It just adds additional entries for some reason in certain situation or opening .tpp file is not registered etc. It is issue not related to this change.

I think we should also add somewhere in documentation K_MOUSE_FORWARD and K_MOUSE_BACKWARD documentation. Do we have documentation for keys? In the enum below some entries are obvious, but some might need clarification (K_DELTA):

```
enum {
    K_DELTA      = 0x010000,

    K_ALT        = 0x080000,
    K_SHIFT      = 0x040000,
    K_CTRL       = 0x020000,

    K_KEYUP      = 0x100000,

    K_MOUSEMIDDLE = 0x200000,
    K_MOUSERIGHT  = 0x400000,
    K_MOUSELEFT   = 0x800000,
    K_MOUSEDDOUBLE = 0x1000000,
    K_MOUSETRIPLE  = 0x2000000,

    K_SHIFT_CTRL = K_SHIFT|K_CTRL,

#ifdef PLATFORM_COCOA // NOT Sure this should be under ifdef - this is just definition...
    K_OPTION      = 0x4000000,
#endif

    IK_DBL_CLICK  = 0x40000001, // this is just to get the info that the entry is equal to dbl-click to
    the menu

    K_MOUSE_FORWARD = 0x80000001,
    K_MOUSE_BACKWARD = 0x80000002,
};
```

Klugier
