Subject: Re: Lack of KeyMods parameter in the ::MouseUp function call -> Feature request
Posted by chris_torrence@NOSPAM on Tue, 05 Jan 2016 21:16:04 GMT

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On Wednesday, December 30, 2015 at 4:25:08 PM UTC-7, Helder wrote:
> Hi,
> I'm intensively using the FG event handler class. In doing so, I've come to a problem where I would like the ::MouseUp function to include information about the current keyMods. Currently, the functions ::MouseDown, ::MouseMotion and ::MouseWheel have it...
>
> Let me explain why I think this is useful.
> I have a polygon on an image. I would like to add a point to the polygon. To distinguish from the translation case, I use the "alt" key to identify modifications (or alt-erations) to the polygon. Therefore, pressing the alt-key and the left mouse button results in an added point. Since I'm not always good with my hand, I would like to be able to:
>
> 1) press down alt-key
> 2) press down left mouse button (a point is added)
> 3) move mouse (and see the added point moving with the mouse)
> 4) release the left mouse button
> 5) release the alt-key
>
> Besides being useful, it is also "cool".
>
> However, if I would like to "cancel" the add point operation if the alt-key is released *before* the release of the left mouse button. In other words, the following sequence should delete the point after step 4):
>
> 1) press down alt-key
> 2) press down left mouse button (a point is added)
> 3) move mouse (and see the added point moving with the mouse)
> 4) release the alt-key (the previously added point is deleted)
> 5) release the left mouse button
>
> Since I cannot detect if alt is pressed when releasing the button, I cannot do this.
>
> Can this please be added? I don't think that it is that much of an effort...
>
> Cheers,
> Helder

Hi Helder,

It probably isn't too hard to add, but the problem is backwards compatibility. If we just add another argument then it will break existing event handlers. We can't add a keyword for the same reason. There might be a way to check the number of accepted arguments and make the appropriate call, but then the documentation becomes ugly.

So, I'll add it to the list of possible enhancements, but I wouldn't count on it making the cut.

But keep making suggestions!

-Chris