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Subject: DropList bug when compiling with SPEED option

Posted by [Didier](#) on Thu, 27 May 2010 20:47:17 GMT

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Hi everyone,

I just encountered this strange bug:

When compiling an app with 'GCC Speed' the DropList widget doesn't work wright: he doesn't display his value although the pull down list does

This bug disappears when compiling with 'GCC Optimal'

I first though it was my code who was wrong but it isn't.

The same happens with Uword example app.

I'm compiling with : gcc (GCC) 4.4.3 20100127 (Red Hat 4.4.3-4)  
and use an unmodified UPP

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Subject: Re: DropList bug when compiling with SPEED option

Posted by [mirek](#) on Fri, 28 May 2010 13:52:59 GMT

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Didier wrote on Thu, 27 May 2010 16:47Hi everyone,

I just encountered this strange bug:

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I first though it was my code who was wrong but it isn't.

The same happens with Uword example app.

I'm compiling with : gcc (GCC) 4.4.3 20100127 (Red Hat 4.4.3-4)  
and use an unmodified UPP[/quote]

Strange, but not impossible.

Anyway, I have just Speed GCC with GCC 4.4.1 UWord and have not noticed anything unusual...

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Subject: Re: DropList bug when compiling with SPEED option

Posted by [Didier](#) on Fri, 28 May 2010 21:38:51 GMT

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Hi Myrek,

Thanks for the reply. I remember having encountering the same kind of bug about a year ago, but it disappeared without notice.

The strange part about it ,is that for some values, the DropDownList's value gets displayed and for others it doesn't ???

I tried moving around UPP versions to see if it was an UPP bug, but there's no change.

Anyway this is not blocking, the speed option was a manipulation error: this ??bug?? doesn't bother me.

I'll try to keep an eye on it any way.

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Subject: Re: DropDownList bug when compiling with SPEED option

Posted by [mirek](#) on Sun, 30 May 2010 19:34:19 GMT

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Didier wrote on Fri, 28 May 2010 17:38Hi Myrek,

Thanks for the reply. I remember having encountering the same kind of bug about a year ago, but it disappeared without notice.

The strange part about it ,is that for some values, the DropDownList's value gets displayed and for others it doesn't ???

I tried moving around UPP versions to see if it was an UPP bug, but there's no change.

Anyway this is not blocking, the speed option was a manipulation error: this ??bug?? doesn't bother me.

I'll try to keep an eye on it any way.

Still, it could mean that some code in DropDownList.cpp (or elsewhere) has implementation defined behaviour, something similar to this famous example:

```
x[i++] = i;
```

which hits us when optimizer tries another path for speed optimizations....

Mirek

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Subject: Re: DropList bug when compiling with SPEED option

Posted by [Didier](#) on Mon, 31 May 2010 21:47:35 GMT

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Hi Myrek,

I hunt it down a bit using the 'Optimize for speed' option of the packages and the winner is .... My app

Then again UWord has the same 'bug', so it's probably in some inline method of a header file.

I'll keep searching.

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Subject: Re: DropList bug when compiling with SPEED option

Posted by [mirek](#) on Tue, 01 Jun 2010 17:16:13 GMT

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Thanks... interesting

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