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Subject: DropDownList bug when removing last item  
Posted by [kodos](#) on Fri, 14 Mar 2008 17:47:15 GMT  
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Hi,

when you remove an item from a DropDownList it normally selects the first item in the DropDownList, but if that Item was the last one it won't update the screen, you have to click on the DropDownList and that it will update itself.

I have attached a test case.

BTW: If I use the Assist++ to view the available methods from the DropDownList class it doesn't show me the Remove(int i) method.

File Attachments

1) [DropDownListBug.7z](#), downloaded 387 times

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Subject: Re: DropDownList bug when removing last item  
Posted by [cbporter](#) on Fri, 14 Mar 2008 18:29:47 GMT  
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kodos wrote on Fri, 14 March 2008 19:47Hi,

when you remove an item from a DropDownList it normally selects the first item in the DropDownList, but if that Item was the last one it won't update the screen, you have to click on the DropDownList and that it will update itself.

I have attached a test case.

BTW: If I use the Assist++ to view the available methods from the DropDownList class it doesn't show me the Remove(int i) method.

Could not reproduce. Everything worked as expected. Could you post U++ version number and build settings.

kodos wrote on Fri, 14 March 2008 19:47BTW: If I use the Assist++ to view the available methods from the DropDownList class it doesn't show me the Remove(int i) method.

Yes, you are right. It doesn't appear under "all", but does appear under "DropDown".

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Subject: Re: DropDownList bug when removing last item  
Posted by [kodos](#) on Fri, 14 Mar 2008 19:02:09 GMT  
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cbporter wrote on Fri, 14 March 2008 19:29 Could not reproduce. Everything worked as expected. Could you post U++ version number and build settings.

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Hm, I'm on Windows XP with latest SVN.

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Subject: Re: DropDownList bug when removing last item  
Posted by [bytefield](#) on Fri, 14 Mar 2008 19:04:09 GMT  
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Hi. I've tested it under Ubuntu, U++ SVN 182, and indeed DropDownList isn't updated after removing last item.

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Subject: Re: DropDownList bug when removing last item  
Posted by [mirek](#) on Sat, 15 Mar 2008 14:10:19 GMT  
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Reproduced.

Well, I am not 100% sure what the right behaviour should be here. DropDownList is explicitly designed to allow having the value not in list. OTOH, the "SetIndex(0)" after removal was already there...

Well, I guess under circumstances, this is the right fix:

```
void DropDownList::Adjust()
{
    int i = FindKey(value);
    if(i < 0)
        if(GetCount())
            SetIndex(0);
        else
            SetData(Null);
}
```

Mirek

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Subject: Re: DropDownList bug when removing last item  
Posted by [bytefield](#) on Sat, 15 Mar 2008 14:25:18 GMT  
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I guess it could be solved also by adding:

Sync();  
in DropDownList.cpp(line 88) in Remove function

```
void DropDownList::Remove(int i)
{
    key.Remove(i);
    list.Remove(i);
    Adjust();
    Sync();
}
```

Sync-inc seems the right behavior since almost all functions from DropDownList do that.

PS:Mirek, could you explain if I'm wrong?

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Subject: Re: DropDownList bug when removing last item  
Posted by [mirek](#) on Sat, 15 Mar 2008 14:45:11 GMT  
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IMO, this is exactly the dilemma we are facing...

What you suggest would make it seem empty, but GetData would return the original value.

Mirek

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Subject: Re: DropDownList bug when removing last item  
Posted by [kodos](#) on Sat, 15 Mar 2008 15:20:49 GMT  
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I think the behavior of Mireks patch is right, because when I remove an element from the list, I really want it to be gone .

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