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Subject: What does ScrollBar::SetPage do?

Posted by [cbpporter](#) on Thu, 31 Jan 2008 14:16:40 GMT

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Hi!

I'm trying to implement an optimized control which would allow the scrolling of virtually huge surfaces. This is why I just can't insert a control into a larger one with two scrollbars. I'm implementing a "virtual" scroll mechanism.

I have two scrollbars (one vertical and one horizontal). I compute the difference between the dimensions of the control and the dimension of virtual area and set them to the maximum of each scrollbar with SetTotal. Then I'm trying to set a page size:

```
dx = ...
scrHor.SetTotal(dx);
scrHor.SetPage(dx / 10);
```

This works fine, but it seems that the last page is only scrolled to some fixed margin (somewhat like the IntegralHeight property in ColumnList). I can't get the last pixels of the area to show. But if I use SetPage(1), I can access all the ranges from the scrollbar, allowing full scrolling of the surface. But now scrolling is done in steps of 1, so clicking on the scrollbar body is useless (not useless, but very slow with increments of 1).

Am I misunderstanding the use of SetPage? How can I set a page dimension, which does not lead to some inaccessible values near the end?

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Subject: Re: What does ScrollBar::SetPage do?

Posted by [mrjt](#) on Thu, 31 Jan 2008 15:26:54 GMT

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The maximum position of a scrollbar (the value returned from ScrollBar::Get) is position - pagesize. For instance, for a scrollbar set as:

```
scroll.Set(1, 10, 99)
```

the maximum position will be 89, so that the last page will be displayed in full. Obviously setting pagesize to 1 will result in the maximum pos being 98.

try setting it like this:

```
total = virtual area size (not size - ctrl size)
```

```
pagesize = ctrl size
```

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Subject: Re: What does ScrollBar::SetPage do?

Posted by [cbpporter](#) on Thu, 31 Jan 2008 15:51:58 GMT

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mrjt wrote on Thu, 31 January 2008 17:26The maximum position of a scrollbar (the value returned from ScrollBar::Get) is position - pagesize. For instance, for a scrollbar set as:

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try setting it like this:

total = virtual area size (not size - ctrl size)

pagesize = ctrl size

Thank you for the help! That worked great. I'm used to slightly different semantics when setting up the parameters for scrollbars, but I guess this is just as good, if not better.

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Subject: Re: What does ScrollBar::SetPage do?

Posted by [mirek](#) on Fri, 01 Feb 2008 21:37:28 GMT

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mrjt wrote on Thu, 31 January 2008 10:26The maximum position of a scrollbar (the value returned from ScrollBar::Get) is position - pagesize. For instance, for a scrollbar set as:

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try setting it like this:

total = virtual area size (not size - ctrl size)

pagesize = ctrl size

Hm, maybe this explanation can be easily simplified by example:

For LineEdit, vertical pagesize is number of lines that fit into the current height of page, while total is number of lines in the document...

Mirek

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Subject: Re: What does ScrollBar::SetPage do?

Posted by [cbpporter](#) on Fri, 01 Feb 2008 23:18:45 GMT

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luzr wrote on Fri, 01 February 2008 23:37

Hm, maybe this explanation can be easily simplified by example:

For LineEdit, vertical pagesize is number of lines that fit into the current height of page, while total is number of lines in the document...

Mirek

Thanks. I think I'm already used with these semantics. Again, with no documentation, very hard to determine if something looks one way but actually behaves slightly different. I know that just saying that there is little documentation is easy and I could do something about it, but unfortunately I'm far to busy coding. I guess this is the case for most of us. At least I've been working this week on a translation. Hope it's ready by next week.

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Subject: Re: What does ScrollBar::SetPage do?  
Posted by [mirek](#) on Sat, 02 Feb 2008 08:01:17 GMT  
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cbpporter wrote on Fri, 01 February 2008 18:18luzr wrote on Fri, 01 February 2008 23:37  
Hm, maybe this explanation can be easily simplified by example:

For LineEdit, vertical pagesize is number of lines that fit into the current height of page, while total is number of lines in the document...

Mirek

Thanks. I think I'm already used with these semantics. Again, with no documentation, very hard to determine if something looks one way but actually behaves slightly different.

Ah, yes. Now I remember that ScrollBar was somewhat forgotten... Will try to fix this soon.

Quote:

I know that just saying that there is little documentation is easy and I could do something about it, but unfortunately I'm far to busy coding.

Yep, that is the exact reason. Besides, coding is much more fun...

Quote:

I guess this is the case for most of us. At least I've been working this week on a translation. Hope it's ready by next week.

Thanks!

Mirek

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