Subject: Format function conversion specifiers and EditDate widget
Posted by gprentice on Fri, 31 Mar 2006 11:31:27 GMT

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Is there a description anywhere of how Format works?
What does the %` do in the code below?
What does ~date1 return?

```
void Days::Compute()
{
    result = IsNull(date1) || IsNull(date2) ? "" :
        Format("There is %d day(s) between %` and %`",
            abs(Date(~date1) - Date(~date2)), ~date1, ~date2);
}
```

The code is from the days example on the website. Which Date constructor is used - the copy constructor ???

(Should I be able to find this info in the help?)

Graeme

Subject: Re: Format function conversion specifiers and EditDate widget
Posted by mirek on Fri, 31 Mar 2006 11:48:03 GMT

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gprentice wrote on Fri, 31 March 2006 06:31
Is there a description anywhere of how Format works?
What does the %` do in the code below?
What does ~date1 return?

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}
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The code is from the days example on the website. Which Date constructor is used - the copy constructor ???

(Should I be able to find this info in the help?)

Graeme

Not yet, sorry.

Format works by converting arguments to Value. It is otherwise mostly similar to printf-like formatting, however there are differences. The most important one is that Format is extensible - you can register additional format specifiers and additional types.

Mirek

Subject: Re: Format function conversion specifiers and EditDate widget
Posted by gprentice on Fri, 31 Mar 2006 12:05:04 GMT
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Quote:
Not yet, sorry.

Format works by converting arguments to Value. It is otherwise mostly similar to printf-like formatting, however there are differences. The most important one is that Format is extensible - you can register additional format specifiers and additional types.

It's possible I might try to document something as I learn it - really it'd be good if something like the Wiki could be used, to try and get lots of people contributing as they learn things e.g. one Wiki page for each widget, one for each core class, one for each reference app, one for each example.

Any chance of an answer on the Date constructor question - if squiggle returns Value does Value have user defined conversion to Date and the copy constructor is used? Is Value like a variant - what does it hold for ~date ?

Graeme

Subject: Re: Format function conversion specifiers and EditDate widget
Posted by mirek on Fri, 31 Mar 2006 12:12:09 GMT
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gprentice wrote on Fri, 31 March 2006 07:05

Quote:
Not yet, sorry.

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There is a wiki page, feel free to contribute!

Quote:
Any chance of an answer on the Date constructor question - if squiggle returns Value does Value have user defined conversion to Date and the copy constructor is used? Is Value like a variant - what does it hold for ~date ?

Date, as almost any concrete type, is "Value compatible" - it can be seamlessly converted to Value and back. In this particular example:

abs(Date(~date1) - Date(~date2))

~date1 gets a Value (containing a Date) from the date1 widget

Date(...) is Value::operator Date() (in fact, slight irregularity, most other types use constructor T(const Value&) for conversion).

for Date, operator- returns the number of days between two Dates.

Mirek

Subject: Re: Format function conversion specifiers and EditDate widget
Posted by fudadmin on Fri, 31 Mar 2006 12:17:32 GMT
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gprentice wrote on Fri, 31 March 2006 13:05

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Graeme

wikis are rubbish. I don't know any of them which has normal searching capabilities, navigation etc. Why can't you use this forum as a wiki? It has editing. Other communities do that. And you have alerts on updates and discussions visible! What else do you need?

Subject: Re: Format function conversion specifiers and EditDate widget
Posted by mirek on Fri, 31 Mar 2006 12:26:07 GMT
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fudadmin wrote on Fri, 31 March 2006 07:17gprentice wrote on Fri, 31 March 2006 13:05

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Graeme

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Well, in any case, I can always pick interesting documents anywhere and copy them to Topic++ (and that way, also to website).

Mirek

Subject: Re: Format function conversion specifiers and EditDate widget
Posted by gprentice on Fri, 31 Mar 2006 12:35:23 GMT
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fudadmin wrote on Sat, 01 April 2006 00:17gprentice wrote on Fri, 31 March 2006 13:05

It's possible I might try to document something as I learn it - really it'd be good if something like the Wiki could be used, to try and get lots of people contributing as they learn things e.g. one Wiki page for each widget, one for each core class, one for each reference app, one for each example.

Graeme

wikis are rubbish. I don't know any of them which has normal searching capabilities, navigation etc. Why can't you use this forum as a wiki? It has editing. Other communities do that. And you have alerts on updates and discussions visible! What else do you need?

Sounds good to me. As far as I can see, plenty of people are learning things (especially from Mirek) but nobody's adding what they learn to the documentation. However I don't want to be the instigator of adding a bunch of topics/ sections to the forum that nobody's going to use. It might be hard to persuade people to write up what they learn ...

Can everyone edit the same post - or would you end up with a string of posts all on one particular widget or class or topic?

Graeme

Subject: Re: Format function conversion specifiers and EditDate widget
Posted by fudadmin on Fri, 31 Mar 2006 13:24:50 GMT
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gprentice wrote on Fri, 31 March 2006 13:35

1. ... but nobody's adding what they learn to the documentation.

2. ...However I don't want to be the instigator of adding a bunch of topics/ sections to the forum that nobody's going to use.

3. It might be hard to persuade people to write up what they learn ...

4. Can everyone edit the same post - or would you end up with a string of posts all on one particular widget or class or topic?

Graeme

1a) Forums are some kind of source for/of the documentation.
Currently, forums have far better searching capabilities than Topic++.

1b) AFAIK, Mirek is adding constantly from forums to the website.

1c) I've been adding my commented examples to "Extra libraries..." category
1d) and trying to ask questions even I can find the answers myself (but usually Mirek is lightning fast...)

2a) We can use vote for each topic! Later then can be deleted or archived. Also, there are counters how many times each topic has been opened. (You can't have that with wikis...)

2b) How do you know in advance that something is not useful if you haven't tried? (applies to conservative U++ "not users", too)
----

3. Best persuading is persuading by example...

4a) It is possible to let users edit each others posts but then you lose the possibility to compare and get fighting chances "I want this and you deleted!!!" If you study wikipedia more deeply you can see how many topics are locked and what's going on behind the scenes...

4b)IMHO, you will never end with "long string" just because of
3- "It might be hard to persuade people to write up what they learn ..."

So, just do! Lot of things in the world could have been done if people wouldn't base their decisions on imaginable failure...