
Subject: docEdit /lineEdit to array
Posted by [prizzly](#) on Sun, 09 Dec 2012 18:29:59 GMT
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Hi guys
I am new to upp so need some of your expert advise.
How can i store each lines of docEdit /lineEdit to an array and vice versa.
Thanks

Subject: Re: docEdit /lineEdit to array
Posted by [lectus](#) on Tue, 11 Dec 2012 13:26:18 GMT
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Hi!
I don't know if there's a ready function for that in U++.

But this is how I would do this:

- 1) Read the full contents of the docedit into a String.
- 2) Create a function to go concatenating characters until it finds \n. Then it adds this line to the array. Do this until the `_string.GetLength()` is reached. At the end return the array.

Here's the sample code:

```
// Adds each line of a DocEdit to an array
Array<String> DocEdit2Array(DocEdit& d)
{
    String s = d.GetData();
    Array<String> result;
    String line = "";
    for(int i = 0; i < s.GetLength(); i++)
    {
        if(s[i] != '\n')
            line += s[i];
        else
        {
            result.Add(line);
            line="";
        }
    }
    result.Add(line);
    return result;
}
```

```
// Event of button click to test the function

void test::ButtonClicked()
{
    Array<String> a = DocEdit2Array(docedit1);
    for(int i=0; i < a.GetCount(); i++)
    {
        DUMP(a.At(i));
    }
}
```

Subject: Re: docEdit /lineEdit to array
Posted by [navi](#) on Tue, 11 Dec 2012 15:32:59 GMT
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Beware that LineEdit::Get() on Win32 platform returns "\n\r" as like break not "\n". There is a function Split() exist that is able to break string using delimiter and returns vector of string. Also Filter() can be use to clean up "\r". see this

http://www.ultimatepp.org/forum/index.php?t=msg&&th=7064&goto=37872#msg_37872
and this
www.ultimatepp.org/forum/index.php?t=msg&goto=10491

Subject: Re: docEdit /lineEdit to array
Posted by [lectus](#) on Tue, 11 Dec 2012 19:15:57 GMT
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navi wrote on Tue, 11 December 2012 10:32 Beware that LineEdit::Get() on Win32 platform returns "\n\r" as like break not "\n". There is a function Split() exist that is able to break string using delimiter and returns vector of string. Also Filter() can be use to clean up "\r". see this

http://www.ultimatepp.org/forum/index.php?t=msg&&th=7064&goto=37872#msg_37872
and this
www.ultimatepp.org/forum/index.php?t=msg&goto=10491

Thanks for reminding me of Split(). Very handy function!

Subject: Re: docEdit /lineEdit to array
Posted by [prizzly](#) on Thu, 13 Dec 2012 06:21:03 GMT
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Thanks lectus and navi for your suggestions.
I will try it out. But isn't there any limit to string length as I will be having few thousands of lines in

docEdit.

Also, please suggest which method to use for appending new lines in docEdit.

Subject: Re: docEdit /lineEdit to array
Posted by [navi](#) on Thu, 13 Dec 2012 13:34:03 GMT
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prizzly wrote on Thu, 13 December 2012 07:21 But isn't there any limit to string length as I will be having few thousands of lines in docEdit.

I think U++ makers will be able to answer it best. I couldn't find anything on the manual but I would assume U++ String will be something similar to C++ std::string about which are the following comments found.

<http://stackoverflow.com/questions/3649639/limit-on-string-size-in-c>

Quote:

... There is no official limit on the size of a string. The software will ask your system for memory and, as long as it gets it, it will be able to add characters to your string...

... The only practical limit on string size in c++ is your available memory...

... std::string::max_size() will tell you the theoretical limit imposed by the architecture your program is running under. Other than that, as long as you have sufficient RAM and/or disk swap space, you can have std::strings of huge size...

prizzly wrote on Thu, 13 December 2012 07:21

Also, please suggest which method to use for appending new lines in docEdit.

```
// assuming your LineEdit Ctrl is called myLineEditCtrl  
// i will do something like this:
```

```
String tmpStr(myLineEditCtrl.Get());
```

```
tmpStr<<"\nThis is a new line";
```

```
myLineEditCtrl.Set(tmpStr);
```

Subject: Re: docEdit /lineEdit to array

Posted by [dolik.rce](#) on Thu, 13 Dec 2012 13:53:44 GMT

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navi wrote on Thu, 13 December 2012 14:34prizzly wrote on Thu, 13 December 2012 07:21But isn't there any limit to string length as I will be having few thousands of lines in docEdit.

I think U++ makers will be able to answer it best. I couldn't find anything on the manual but I would assume U++ String will be something similar to C++ std::string about which are the following comments found.

I'm not a U++ maker, but I'm pretty sure that String is limited by size of int type, that is 2 Gb, so no problem for usually displayed files. If you need to display anything longer, you'd have to use streaming or something similar anyway...

Honza
