
Subject: DocEdit call RemoveLines make Assertion failed.

Posted by [HenryXin](#) on Sat, 23 Feb 2008 16:17:17 GMT

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Hi,

I am a newbie about upp. I inherit from DocEdit to display this filesystem content, insert filenames, when beyond 200 line, remove lines as following:

```
#define MAX_CACHE_LINE 200
class MyDocEdit : public DocEdit
{
    String inputString;
    static String tipString;
    String dir;
public:
    virtual bool Key(dword key, int count);
    MyDocEdit()
    {
        ShowTip();
    }
    void ShowTip();
    int RunCommand(String user_input);
};

String MyDocEdit::tipString(">");
void MyDocEdit::ShowTip()
{
    dir = GetCurrentDirectory();
    Insert(cursor, dir+tipString);
    this->SetCursor(cursor+(dir+tipString).GetLength());
    inputString.Clear();
}

bool MyDocEdit::Key(dword key, int count)
{
    switch(key & ~(K_CTRL | K_ALT | K_SHIFT)) {
    case K_ENTER:
        RunCommand(inputString);
        inputString.Clear();
        if(this->GetLineCount() > MAX_CACHE_LINE) {

            this->RemoveLines(0, this->GetLineCount() - MAX_CACHE_LINE);
            ClearLines();
            sprintf(str, "%d %d", this->GetLineCount(), (this->GetLineCount() - MAX_CACHE_LINE));
        }
        ShowTip();

    return true;
```

```

default:
if(!(key & 0x10000) && !(key & 0x110000)) {
    inputString +=(char)key;
}
break;
}

return DocEdit::Key(key, count);
}

int MyDocEdit::RunCommand(String user_input)
{
    FindFile ff;
    Insert(GetCursor(), "\n");
    cursor++;
    if(!ff.Search(AppendFileName(dir, "")))
        return false;
    do {

        Insert(GetCursor(), ff.GetName()+"\n");

        SetCursor(GetCursor()+ff.GetName().GetLength()+1);
    }
    while(ff.Next());
    return 0;
}

```

When lines are beyond 200, Assert failed in C:\upp\uppsrc\CtrlLib\DocEdit.cpp, line 25
this->line.GetCount() == para.GetCount().

I don't find the reason now.
Thanks.

Subject: Re: DocEdit call RemoveLines make Assertion failed.
Posted by [HenryXin](#) on Sun, 24 Feb 2008 07:12:49 GMT
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I have found the reason, need line.Remove() before RemoveLines().
It seems strange, why need two function?

```
line.Remove(0, remove_num);  RemoveLines(0, remove_num);
```

Subject: Re: DocEdit call RemoveLines make Assertion failed.
Posted by [mirek](#) on Tue, 26 Feb 2008 20:11:36 GMT
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You should not, Remove should be enough (Remove calls RemoveLines).

RemoveLines only signals to derived class that lines were removed. Default implementation is empty. Check docs

Mirek

Subject: Re: DocEdit call RemoveLines make Assertion failed.

Posted by [HenryXin](#) on Wed, 27 Feb 2008 02:55:51 GMT

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Thank for your reply.

But I try it only using line.Remove(0, remove_num);

But Fatal Error:

Assertion failed in C:\upp\uppsrc\Core\Vcont.h, line 17

i >=0 && i < item.

I read the code:

DocEdit inherit from TextCtrl has the member:

```
Vector<Ln> line;
```

and it defines its member:

```
Vector<Para> para;
```

So only call line.Remove(), when call the parm.Remove()?

And the void DocEdit::RemoveLines(int line, int count) is strange?

```
void DocEdit::RemoveLines(int line, int count)
```

```
{  
    para.Remove(line, count);  
    ASSERT(this->line.GetCount() == para.GetCount());  
}
```

It removes para, but check the line == para?

Best Regards

Henry

Subject: Re: DocEdit call RemoveLines make Assertion failed.

Posted by [mirek](#) on Wed, 27 Feb 2008 08:41:56 GMT

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HenryXin wrote on Tue, 26 February 2008 21:55 Thank for your reply.

But I try it only using line.Remove(0, remove_num);

But Fatal Error:

Assertion failed in C:\upp\uppsrc\Core\Vcont.h, line 17

i >=0 && i < item.

I read the code:

DocEdit inherit from TextCtrl has the member:

```
Vector<Ln> line;
```

and it defines its member:

```
Vector<Para> para;
```

So only call line.Remove(), when call the parm.Remove()?

And the void DocEdit::RemoveLines(int line, int count) is strange?

```
void DocEdit::RemoveLines(int line, int count)
```

```
{  
    para.Remove(line, count);  
    ASSERT(this->line.GetCount() == para.GetCount());  
}
```

It removes para, but check the line == para?

Best Regards

Henry

I am sorry, I was under impression that we are talking about LineEdit... Well, DocEdit really does overload RemoveLines. 'para' works as cache of paragraph metrics (height for given width).

Means that if you override RemoveLines for DocEdit, you should call DocEdit::RemoveLines there... (must add that info to docs).

Other than that, I suggest posting a more complete code.

Mirek

Subject: Re: DocEdit call RemoveLines make Assertion failed.

Posted by [HenryXin](#) on Thu, 28 Feb 2008 02:31:47 GMT

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Thanks.

I post the inherit class code: (It has been posted in the start)

```
class MyDocEdit : public DocEdit  
{  
    Thread timerthread;  
    String inputString;  
    static String tipString;  
    String dir;  
public:  
    virtual bool Key(dword key, int count);  
    MyDocEdit();  
    void ShowTip();  
    int RunCommand(String user_input);  
    void UpdateData();  
    void InsertData();
```

```
};  
////////////////////////////////////  
Actually, I don't override the RemoveLines().So the call RemoveLines() should be  
DocEdit::RemoveLines(). This means the DocEdit::RemoveLines() doesn't work well?
```

Subject: Re: DocEdit call RemoveLines make Assertion failed.
Posted by [mirek](#) on Mon, 03 Mar 2008 19:43:21 GMT
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I am sorry, this is still too little to identify the problem.

Please a testcase. Something we can unzip as package and compile. Means, create a short code that demonstrates the problem in the form of package, make sure it compiles and exhibits it, then .zip it and post here.

Saves a lot of time and void discussion...

Mirek

Subject: Re: DocEdit call RemoveLines make Assertion failed.
Posted by [HenryXin](#) on Sat, 08 Mar 2008 09:48:26 GMT
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That's good, I post my simple test package. Thanks.

File Attachments

1) [MyEcho_Test.zip](#), downloaded 512 times

Subject: Re: DocEdit call RemoveLines make Assertion failed.
Posted by [mirek](#) on Sat, 08 Mar 2008 15:58:34 GMT
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I see. I guess I was not clear enough

You are NOT supposed to call RemoveLines. RemoveLines is called by DocEdit to tell you that lines were removed (AFTER they were removed by calling "Remove" directly or by user).

What do you want to achieve?

If to keep the "log buffer" to MAX_CACHE_LINES, then use this:

```
bool MyDocEdit::Key(dword key, int count)
```

```
{
switch(key & ~(K_CTRL | K_ALT | K_SHIFT)) {
case K_ENTER:
    RunCommand(inputString);
    inputString.Clear();
    if(GetLineCount() > MAX_CACHE_LINE)
        Remove(0, GetPos(GetLineCount() - MAX_CACHE_LINE));
    ShowTip();
    return true;
default:
    if(!(key & 0x10000) && !(key & 0x110000)) {
        inputString +=(char)key;
    }
    break;
}

return DocEdit::Key(key, count);
}
```

Mirek

Subject: Re: DocEdit call RemoveLines make Assertion failed.
Posted by [HenryXin](#) on Sun, 09 Mar 2008 05:03:39 GMT
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It works well .Thanks, I will need read the code more...
