
Subject: String EncodeHtml

Posted by [BetoValle](#) on Tue, 09 Aug 2022 17:57:14 GMT

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Hi,

it is very difficult for a new programmer to understand how to work with this function. Most of the difficulties I face are because I'm new to C++ and U++, but it really gets harder when the content is written for experts like I believe most who have established themselves here. They should write and think about those who have difficulty, because it is only with simpler examples that there is growth in the adoption of U++ . Sorry but this is a fact!

I'm about to choose the language if java or u++ to transcribe a program (delphi/desktop/windows) to web/linux (tomcat or skylark) where one of the tables has a field where medical patient history is stored, through "rtf" content that contains text , table and image.

I'm thinking of rewriting this field and storing html (or qtf mporting/exporting systematically)

So I need to understand the parameters of the function in reference.

for example with table in the code below

```
String rtfContent;  
rtfContent="{\\rtf1\\ansi\\ansicpg1252\\deff0{\\fonttbl{\\f0\\fnil Calibri;}{\\f1\\fnil\\fcharset0 Arial;}}  
{\\colortbl ;\\red0\\green0\\blue0;\\red0\\green0\\blue128;}  
\\viewkind4\\uc1\\trowd\\trgaph30\\trleft-30\\clbrdrt\\brdrw15\\brdrs\\clbrdrf\\brdrw15\\brdrs\\clbrdrb\\  
brdrw15\\brdrs\\clbrdrf\\brdrw15\\brdrs  
\\cellx647\\clbrdrt\\brdrw15\\brdrs\\clbrdrf\\brdrw15\\brdrs\\clbrdrb\\brdrw15\\brdrs\\clbrdrf\\brdrw15\\  
\\brdrs  
\\cellx1840\\clbrdrt\\brdrw15\\brdrs\\clbrdrf\\brdrw15\\brdrs\\clbrdrb\\brdrw15\\brdrs\\clbrdrf\\brdrw1  
5\\brdrs  
\\cellx2372\\clbrdrt\\brdrw15\\brdrs\\clbrdrf\\brdrw15\\brdrs\\clbrdrb\\brdrw15\\brdrs\\clbrdrf\\brdrw1  
5\\brdrs  
\\cellx3644\\clbrdrt\\brdrw15\\brdrs\\clbrdrf\\brdrw15\\brdrs\\clbrdrb\\brdrw15\\brdrs\\clbrdrf\\brdrw1  
5\\brdrs \\cellx4112\\pard\\intbl\\cf1\\lang1046\\f0\\fs22\\cell 14/08/2017\\cell %\\cell  
16/12/2019\\cell %\\cell\\row  
\\intbl L1\\cell 0,656\\cell 58\\cell 0,684\\cell 69\\cell\\row  
\\intbl L2\\cell 0,663\\cell 55\\cell 0,652\\cell 63\\cell\\row  
\\intbl L3\\cell 0,602\\cell 50\\cell 0,612\\cell 56\\cell\\row  
\\intbl L4\\cell 0,693\\cell 58\\cell 0,609\\cell 57\\cell\\row  
\\intbl colo E\\cell 0,719\\cell 69\\cell 0,625\\cell 74\\cell\\row  
\\intbl troc\\cell\\cell\\cell 0,555\\cell 75\\cell\\row  
\\intbl radio\\cell 0,747\\cell 84\\cell 0,591\\cell 85\\cell\\row  
\\pard\\cf2\\b\\f1\\fs16 CD= Manter com Prolia, visto haver ainda risco de fratura.\\par  
}";
```

```
String result = EncodeHtml( rtfContent , Index<String>& css,  
    const VectorMap<String, String>& links,  
    const VectorMap<String, String>& labels,  
    HtmlObjectSaver& object_saver, Zoom z,
```

```
const VectorMap<String, String>& escape);
```

```
Cout() << result << EOL;
```

how to initialize with each of the parameters below to introduce them in the function to return html content?

```
Index<String>& css,  
const VectorMap<String, String>& links,  
const VectorMap<String, String>& labels,  
HtmlObjectSaver& object_saver,  
Zoom z,  
const VectorMap<String, String>& escape
```

Thanks!

Subject: Re: String EncodeHtml
Posted by [Klugier](#) on Tue, 09 Aug 2022 18:52:07 GMT
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Hello BetoValle,

I will do not tell you how to use this function, but I agree that it should be simple. Optimally any public API function/method should posses up to three parameters. Thanks to that it will be easy to use and users will do not complain about difficulties. I think in this case this function could be refator to HtmlEncoder class with parameters provided as separate method. So, it can look like this:

```
// Basic example:
```

```
auto results = HtmlEncoder(rtfContent).Encode();
```

```
// With parameters:
```

```
auto results = HtmlEncoder(rtfContent).Css({}).Encode();
```

Thanks for feedback, I know that there are some places in U++ framework when API is not user friendly and it should be reworked. I hope somebody will answer to your question how to use this over complicated function!

Klugier

Haven't messed with this method before but I gave it a shot.

Problem #1 is you're using a String when the data type for the first parameter is RichText. If you want to convert a String to RichText you need to Add RichEdit to your project and call ParseRTF on it.

I loaded it as a .brc file but that's not relevant:

```
#include <Core/Core.h>
#include <RichText/RichText.h>
#include <RichEdit/RichEdit.h>

#include "test.brc"

using namespace Upp;

CONSOLE_APP_MAIN {
    String rtfContent(std_tmpl_vfk, std_tmpl_vfk_length);
    RichText rt = ParseRTF(rtfContent);

    // Output parameters
    Index<String> css;
    VectorMap<String, String> links;
    VectorMap<String, String> labels;

    // Context, I'm assuming
    HtmlObjectSaver saver;

    String result = EncodeHtml(rt, css, links, labels, saver);

    Cout() << result;

    // To get the css
    Cout() << AsCss(css);
}
```

I don't know what the deal is with your .rtf string but it doesn't work. I have been able to render other rtf documents using this method though.

EDIT

Never mind, you didn't terminate each line as such:

```
String rtfContent =
```

```
{\rtf1\ansi\ansicpg1252\deff0{\fonttbl{\f0\fnil Calibri;}\f1\fnil\fcharset0 Arial;}}\n"
"\{\colortbl ;\red0\green0\blue0;\red0\green0\blue128;}\n"
"\viewkind4\uc1\trowd\trgaph30\trleft-30\clbrdrt\brdrw15\brdrs\clbrdrl\brdrw15\brdrs\clbrdrb
\brdrw15\brdrs\clbrdrr\brdrw15\brdrs
\cellx647\clbrdrt\brdrw15\brdrs\clbrdrl\brdrw15\brdrs\clbrdrb\brdrw15\brdrs\clbrdrr\brdrw15\
\brdrs
\cellx1840\clbrdrt\brdrw15\brdrs\clbrdrl\brdrw15\brdrs\clbrdrb\brdrw15\brdrs\clbrdrr\brdrw1
5\brdrs
\cellx2372\clbrdrt\brdrw15\brdrs\clbrdrl\brdrw15\brdrs\clbrdrb\brdrw15\brdrs\clbrdrr\brdrw1
5\brdrs
\cellx3644\clbrdrt\brdrw15\brdrs\clbrdrl\brdrw15\brdrs\clbrdrb\brdrw15\brdrs\clbrdrr\brdrw1
5\brdrs \cellx4112\pard\intbl\cf1\lang1046\fs22\cell 14/08/2017\cell %\cell
16/12/2019\cell %\cell\row\n"
"\intbl L1\cell 0,656\cell 58\cell 0,684\cell 69\cell\row\n"
"\intbl L2\cell 0,663\cell 55\cell 0,652\cell 63\cell\row\n"
"\intbl L3\cell 0,602\cell 50\cell 0,612\cell 56\cell\row\n"
"\intbl L4\cell 0,693\cell 58\cell 0,609\cell 57\cell\row\n"
"\intbl colo E\cell 0,719\cell 69\cell 0,625\cell 74\cell\row\n"
"\intbl troc\cell\cell\cell 0,555\cell 75\cell\row\n"
"\intbl radio\cell 0,747\cell 84\cell 0,591\cell 85\cell\row\n"
"\pard\cf2\b\fs16 CD= Manter com Prolia, visto haver ainda risco de fratura.\par\n"
"}\n";
```

Subject: Re: String EncodeHtml
Posted by [BetoValle](#) on Thu, 11 Aug 2022 12:45:02 GMT
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```
CONSOLE_APP_MAIN
{
  String x2 = "{\\rtf1\\ansi\\deff0{\\fonttbl{\\f0\\froman\\fprq2\\fcharset0 Times New
Roman;}{\\f1\\fswiss\\fprq2\\fcharset0 Arial;}}";
  x2 += "\\viewkind4\\uc1\\pard\\lang1046\\f0\\fs24 Refere que teve mal estar e n\\'e3o conseguia
dormir com Amitriptilina, Terminou gabapentina 900 mg 2X/dia. ";
  x2 += "\\par Exames :Vit D= 47,4 e PTH= 47 calcemia= 9,1; ";
  x2 += "\\par
```

```

\\trowd\\trgaph70\\trleft-15\\cellx592\\cellx1552\\cellx1972\\cellx2792\\cellx3172\\pard\\intbl\\f1\\fs2
0 DMO\\cell 2009\\cell %\\cell 2011\\cell %\\cell\\f0\\row";
x2 += "\\f1\\trowd\\trgaph70\\trleft-15\\cellx592\\cellx1552\\cellx1972\\cellx2792\\cellx3172\\intbl
L1\\cell 0,824\\cell 73\\cell 0,79\\cell 70\\cell\\f0\\row";
x2 += "\\f1\\trowd\\trgaph70\\trleft-15\\cellx592\\cellx1552\\cellx1972\\cellx2792\\cellx3172\\intbl
L2\\cell 0,858\\cell 71\\cell 0,922\\cell 77\\cell\\f0\\row";
x2 += "\\f1\\trowd\\trgaph70\\trleft-15\\cellx592\\cellx1552\\cellx1972\\cellx2792\\cellx3172\\intbl
L3\\cell 0,904\\cell 75\\cell 0,914\\cell 76\\cell\\f0\\row";
x2 += "\\f1\\trowd\\trgaph70\\trleft-15\\cellx592\\cellx1552\\cellx1972\\cellx2792\\cellx3172\\intbl
L4\\cell 0,861\\cell 72\\cell 0,89\\cell 74\\cell\\f0\\row";
x2 += "\\f1\\trowd\\trgaph70\\trleft-15\\cellx592\\cellx1552\\cellx1972\\cellx2792\\cellx3172\\intbl
colo\\cell 0,671\\cell 68\\cell 0,667\\cell 64\\cell\\f0\\row";
x2 += "\\f1\\trowd\\trgaph70\\trleft-15\\cellx592\\cellx1552\\cellx1972\\cellx2792\\cellx3172\\intbl
troc\\cell 0,749\\cell 95\\cell 0,515\\cell 61\\cell\\f0\\row";
x2 += "\\pard\\fs24 RX= desmineraliza\\'e7\\'e3o \\'f3ssea localizada em grande trocanter, sem
les\\'f4es \\'edticas.";
x2 += "\\par Cd=Manter Actonel 150. Depura 5 gotas por dia. oscar 2X/dia + Gabapentina
900mg 2X/dia. Manter Amitriptilina 25 mg pela manh\\'e3. ";
x2 += "\\par";
x2 += "\\par }";

```

RichText rt2 = ParseRTF (x2);

```

Index<String> css2;
const VectorMap<String, String> links2;
VectorMap<String, String> labels2;
HtmlObjectSaver saver2;

String y = EncodeHtml ( rt2, css2, links2, labels2, saver2 );

Cout() << "-----result-----" << EOL;
Cout() << y << EOL;
Cout() << "-----CSS-----" << EOL;
    Cout() << AsCss(css2);

}

```

rtf format reference

File Attachments

1) [demo.png](#), downloaded 109 times

Subject: Re: String EncodeHtml
Posted by [BetoValle](#) on Thu, 11 Aug 2022 12:59:42 GMT
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I also tanks to Klugier and Mirek!
