Subject: How to trim leading and trailing spaces in EditString?
Posted by Zbych on Fri, 20 Nov 2009 09:10:20 GMT
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Hi,

What is the simplest way to add a trimming of spaces to EditString?
I tried to add a conversion. It works fine, but EditString stopped reacting to NotNull flag.

Here is the code of my converter:

```
struct TrimConvert : public Convert {
 virtual Value Scan(const Value& text) const {
  return TrimBoth(text.ToString());
    }
};
```

Question is what I am doing wrong?

Subject: Re: How to trim leading and trailing spaces in EditString?
Posted by mirek on Sun, 22 Nov 2009 22:28:27 GMT
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Zbych wrote on Fri, 20 November 2009 04:10Hi,

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It is because NotNull is method of StringConvert, so if you replace the Convert, it is your responsibility to test for Null.

Note that in such case, using EditString has little merit, you should rather use EditField directly as used Convert is the only difference between both....

Mirek

Subject: Re: How to trim leading and trailing spaces in EditString?
Posted by Zbych on Thu, 26 Nov 2009 09:55:37 GMT
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luzr wrote on Sun, 22 November 2009 23:28It is because NotNull is method of StringConvert, so if you replace the Convert, it is your responsibility to test for Null.

Ok, I see .

Maybe you could add trimming to EditString and ConvertString?

file EditCtrl.h:

```
class EditString : public EditValue<WString, ConvertString> {
[...]
 EditString& TrimSpaces(bool ts = true)          { ConvertString::TrimSpaces(ts); return *this; }
};
```

file Convert.h:

```
class ConvertString : public Convert {
[...]
 ConvertString& TrimSpaces(bool b = true)       { trim_spaces = b;  return *this; }
[...]
#ifdef flagSO
 ConvertString(int maxlen = INT_MAX, bool notnull = false, bool trim_spaces = false);
 virtual ~ConvertString();
#else
 ConvertString(int maxlen = INT_MAX, bool notnull = false, bool trim_spaces = false)
  : maxlen(maxlen), notnull(notnull), trim_spaces(trim_spaces) {}
#endif
[...]
```

file Convert.cpp:

```
Value ConvertString::Scan(const Value& text) const {
 if(IsError(text)) return text;
 if(IsNull(text)) return notnull ? NotNullError() : Value(text);
 if(text.GetType() == STRING_V && String(text).GetLength() <= maxlen ||
    text.GetType() == WSTRING_V && WString(text).GetLength() <= maxlen) return trim_spaces ?
```

```
Value(TrimBoth(text)) : text;
 return ErrorValue(UPP::Format(t_("Please enter no more than %d characters."), maxlen));
}
```

CtrlLib.usc:

```
ctrl EditString {
 >EditNotNull;
 bool TrimSpaces;
 raw MaxLen;

 PaintData(w) {
  text = (.NotNull ? "!" : "") + "Str";
  if(.MaxLen != "")
   text << " < " << .MaxLen;
  PaintText(w, text);
 }
}
```

Subject: Re: How to trim leading and trailing spaces in EditString?
Posted by mirek on Sun, 29 Nov 2009 22:36:45 GMT
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I will think about it, but it seems to specific to me...

Subject: Re: How to trim leading and trailing spaces in EditString?
Posted by mirek on Sun, 29 Nov 2009 22:45:46 GMT
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OK, added in enchanced form (separate TrimLeft/TrimRight, TrimBoth calls them all.

Mirek

Subject: Re: How to trim leading and trailing spaces in EditString?
Posted by Zbych on Mon, 30 Nov 2009 08:21:31 GMT
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luzr wrote on Sun, 29 November 2009 23:45OK, added in enchanced form (separate TrimLeft/TrimRight, TrimBoth calls them all.

Thank you.