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Subject: Serious bug in String comparison or weird feature?

Posted by [Werner](#) on Sat, 09 Feb 2008 10:13:31 GMT

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If you have 2 U++ strings of different length but apart from that identical, U++ tells you that the smaller string is greater (>) than the bigger one.

This seems wrong to me, and indeed std::string behaves the other way round, namely as expected - at least by me.

Consider for example this small app:

```
#include <CtrlLib/CtrlLib.h>
```

```
using namespace Upp;
```

```
GUI_APP_MAIN
```

```
{  
/*  
// start of U++ String version  
const String a = "AddFrame";  
const String b = "AddFrameSize";  
  
String less = a < b ? "true" : "false";  
String equal = a == b ? "true" : "false";  
String greater = a > b ? "true" : "false";  
PromptOK(Format("%s-|<-|%s:-|%s&%s-|==-%s:-|%s&%s->-|%s:-|%s", a, b, less, a, b, equal, a,  
b, greater));  
// end of U++ String version  
*/
```

```
// start of std::string version  
const std::string a = "AddFrame";  
const std::string b = "AddFrameSize";
```

```
String less = a < b ? "true" : "false";  
String equal = a == b ? "true" : "false";  
String greater = a > b ? "true" : "false";  
String au(a.c_str());  
String bu(b.c_str());  
PromptOK(Format("%s-|<-|%s:-|%s&%s-|==-%s:-|%s&%s->-|%s:-|%s", au, bu, less, au, bu,  
equal, au, bu, greater));  
// end of std::string version  
}
```

By the way, you can easily fix that by adding a space to either of the U++ Strings.

Werner

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