Subject: display approximation...
Posted by idkfa46 on Thu, 15 Mar 2012 09:19:35 GMT
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Hallo guys,
I'm here with a new question about DropList!
Here the incriminate code:

dl = DropList
value = EditDouble

```
void DLprove::compute()
{
// DropList elements...
 dl.Clear();
 for(int i=1; i<=value; ++i)
 {
  double k= value/i;
  if ( k > 5 && k < 45 )
  {
  dl.Add(k);
  }
 }
       // SetIndex the nearest element to "17"
 int idx = -1;
 double mind = 1e9;
 for(int i = 0; i < dl.GetCount(); i++)
 {
       double d = fabs((double)dl.GetValue(i) - 17);
    if(d < mind)
    {
        mind = d;
        idx = i;
           }
 }
 if(idx >= 0)
   dl.SetIndex(idx);
}
```

How can be possible to display the dropdown with an approximation without converting double to string ?

I tryed setting

String s = Format("%.02f", k);

but i have a issue looking for the nearest value to 17...

If "string" is the only solution to display approximate values, how can be possible to convert back string to double before

double d = fabs((double)dl.GetValue(i) - 17);

At the moment application with String compile correctly but applicazion gonna crash.
Here the fatal error:
"Assertion failed in c:\upp\uppscr\core\Value.h, line 474
Invalid value conversion: class Upp::RichValueRep <class Upp::String> -> double

Regards,
Matteo

Subject: Re: display approximation...
Posted by koldo on Thu, 15 Mar 2012 09:46:10 GMT
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Hello Matteo

About the last question, the function is StrDbl().

Subject: Re: display approximation...
Posted by idkfa46 on Thu, 15 Mar 2012 10:48:54 GMT
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I tryed with

double StrDbl(const char* s);

without any result...
Sure i'm using it in the wrong way

Subject: Re: display approximation...
Posted by koldo on Thu, 15 Mar 2012 13:10:39 GMT
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Hello idkfa46

What do you mean with "without any result...".

Could you detail it?

Subject: Re: display approximation...
Posted by idkfa46 on Thu, 15 Mar 2012 13:56:05 GMT
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```
...
dl.Clear();
for(int i=1; i<=value; ++i)
{
	double k= value/i;
 if ( k > 5 && k < 45 )
 {
 String s = Format("%.02f", k); // convert to string
	//double StrDbl(const char *s);// back to double
	dl.Add(s);
 }
}
...
```

I can't find the right way to convert string to double before adding elements to DropList. How i have to set StrDbl ?!

there are no way to leave them like double and just Display approximate value ?!

Subject: Re: display approximation...
Posted by fudadmin on Thu, 15 Mar 2012 14:15:46 GMT
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What about ScanDouble(..)?

Subject: Re: display approximation...
Posted by idkfa46 on Thu, 15 Mar 2012 14:43:56 GMT
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Yessss....
double n = ScanDouble(s);
working

thanks

Subject: Re: display approximation...
Posted by koldo on Thu, 15 Mar 2012 14:57:39 GMT
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Or:

double n = StrDbl(s);

Subject: Re: display approximation...
Posted by omari on Fri, 16 Mar 2012 11:31:11 GMT
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Hello ,

you can try that:

use dl.Add(key, value);

```
dl.Clear();
for(int i=1; i<=value; ++i)
{
	double k= value/i;
 if ( k > 5 && k < 45 )
 {
 String s = Format("%.02f", k); // convert to string
	//double StrDbl(const char *s);// back to double
	dl.Add(k, s);
 }
}
```

then to get the DropList value: use GetKey()

```
double d = fabs((double)dl.GetKey(i) - 17);
```
