Subject: thousand separator problem
Posted by zsolt on Fri, 01 Sep 2006 22:38:44 GMT
View Forum Message <> Reply to Message

Using Hungarian setup and hungarian double formatting (%nl), my app showed squares instead of thousand separators.
I changed the return line of String GetLocaleInfoA(LCID lcid, LCTYPE lctype) in Lang.cpp from
return cbuf;
to
return FromSystemCharset(cbuf);
Now it seems to be working well, but I don't know if this is the optimal solution?

Subject: Re: thousand separator problem
Posted by mirek on Sat, 02 Sep 2006 05:27:09 GMT
View Forum Message <> Reply to Message

Well, there is still a bit controversy about handling locale informations.

There are now two competing approaches.

- use translation system and U++ stuff to provide all localization informations. Means put localization info into U++.

- use host platform localization. This IMO has disadvantage that localization has to be reimplemented for each host platform (OTOH, so far there are just two , and that not always host platform localization is satisfactory.

Mirek

P.S.: Nothing wrong with FromSystemCharset - applied...

Subject: Re: thousand separator problem
Posted by zsolt on Sat, 02 Sep 2006 08:47:25 GMT
View Forum Message <> Reply to Message

Yes, I saw that LanguageInfo classes, but I din't have time to implement a hungarian one and integrate to the system yet.

Subject: Re: thousand separator problem
Posted by mirek on Sat, 02 Sep 2006 08:57:13 GMT
View Forum Message <> Reply to Message

Well, and what is your opinion?

The first approach is now represented by how date/time conversions are performed.

It would be quite easy to do the same for thousands separator and other things (simply add special translation strings).

Another issue, however, is language specific sorting. I am not now 100% sure whether even that could be represented by "translation string", but I could try.... I think it should be possible to encode sorting order into single string.

Mirek

Subject: Re: thousand separator problem
Posted by zsolt on Sat, 02 Sep 2006 10:00:33 GMT
View Forum Message <> Reply to Message

Well, I really don't now, which approach is the best.
Both of them has advantages and disadvantages.

Personally I prefer borrowing these things from host system, because this way the user can tweak the language specific things using the host's standard config tools (e.g. Control Panel). And using this approach you, as a programmer, don't have to write a setup tool in the application.

But what if the host system doesn't support e.g. thousand separator? ==> use translation files?

So it would be good to know, if every platform, planned to support, has all the features, used in UPP.

Language specific sorting: using translation files would be a good idea. Using that, it would be very easy to start supporing a new language, I think.

Subject: Re: thousand separator problem
Posted by zsolt on Sat, 02 Sep 2006 10:10:38 GMT
View Forum Message <> Reply to Message

Maybe the best implementation would be using an abstract class and inheritance to this problem. There would be host platform dependant and translation dependant implementations.
