Subject: GetLanguageCode
Posted by White_Owl on Mon, 05 Jan 2009 16:34:05 GMT
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I have several localized texts in src.tpp and would like to load them in run-time according to the current user language.
The easiest way I can think of, is to do it with a code like this:
PromptOK(String("MyProject/src/About$") + GetLanguageCode(GetCurrentLanguage()));
And a function GetLanguageCode() is a slightly modified LNGasText():

```
String GetLanguageCode(int d)
{
 String result;
 int c = (d >> 15) & 31;
 if(c) {
  result.Cat(c + 'a' - 1);
  c = (d >> 10) & 31;
  if(c) {
   result.Cat(c + 'a' - 1);
   c = (d >> 5) & 31;
   if(c) {
    result.Cat('-');
    result.Cat(c + 'a' - 1);
    c = d & 31;
    if(c) result.Cat(c + 'a' - 1);
   }
  }
 }
 c = (d >> 20) & 255;
 return result;
}
```

The change is that it does not add charset name and returns lower-case language code, exactly as TPP editor set language codes for topics.

Am I inventing a wheel?

Subject: Re: GetLanguageCode
Posted by sergeynikitin on Mon, 05 Jan 2009 18:59:38 GMT
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Maybe use this code:

```
String s = String("MyProject/src/"+Topic+"$") +
String(ToLower(LNGAsText(GetCurrentLanguage()& 0xfffff)));
```

But I use extended form of help request

```
Vector<String> Topic = Split(topic, '#');
```

String s = String("MyProject/help/"+Topic[0]+"$") +
String(ToLower(LNGAsText(GetCurrentLanguage()& 0xffffff)))+"#"+String(Topic[1]);

Subject: Re: GetLanguageCode
Posted by mirek on Mon, 05 Jan 2009 21:35:00 GMT
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White_Owl wrote on Mon, 05 January 2009 11:34
The easiest way I can think of, is to do it with a code like this:
PromptOK(String("MyProject/src/About$") + GetLanguageCode(GetCurrentLanguage()));
}[/code]The change is that it does not add charset name and returns lower-case language code, exactly as TPP editor set language codes for topics.

Am I inventing a wheel?

You can use:

LNGAsTxt(SetLNGCharset(GetCurrentLanguage(), CHARSET_DEFAULT))

Mirek

Subject: Re: GetLanguageCode
Posted by White_Owl on Mon, 05 Jan 2009 21:42:04 GMT
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Well... After some tweaking I now load my QTF's like this:

```
Topic GetTopicLNG(const String &path) {
 return GetTopic(path + "$" + ToLower(LNGAsText(GetCurrentLanguage()).Left(5)));
}
....

PromptOK(GetTopicLNG("MyProject/src/About"));
```

May be some kind of language sensitive loading function should be in the default Topic library?

Subject: Re: GetLanguageCode
Posted by mirek on Mon, 05 Jan 2009 22:23:16 GMT
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White_Owl wrote on Mon, 05 January 2009 16:42Well... After some tweaking I now load my QTF's like this:

Topic GetTopicLNG(const String &path) {

```
 return GetTopic(path + "$" + ToLower(LNGAsText(GetCurrentLanguage()).Left(5)));
}
....

PromptOK(GetTopicLNG("MyProject/src/About"));
```
May be some kind of language sensitive loading function should be in the default Topic library?

Sounds good

Should there be used the trick to remove charset too?

Mirek

Subject: Re: GetLanguageCode
Posted by White_Owl on Tue, 06 Jan 2009 14:54:25 GMT
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luzr wrote on Mon, 05 January 2009 23:23Should there be used the trick to remove charset too?Yes. That is why I have .Left(5) from the result of LNGAsText().

Subject: Re: GetLanguageCode
Posted by mirek on Wed, 07 Jan 2009 12:42:10 GMT
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This would work, right?:

```
Topic GetTopicLNG(const String &path) {
 return GetTopic(path + "$" + ToLower(LNGAsTxt(SetLNGCharset(GetCurrentLanguage(),
CHARSET_DEFAULT)));
}
```

Maybe we could add something like

```
int LNGNoCharset(int c)
{
   return SetLNGCharset(GetCurrentLanguage(), CHARSET_DEFAULT));
}
```

to avoid future confusion too

Mirek

Subject: Re: GetLanguageCode
Posted by White_Owl on Wed, 07 Jan 2009 15:50:57 GMT
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luzr wrote on Wed, 07 January 2009 13:42This would work, right?:Looks like it. With some minor corrections of course

```
Topic GetTopicLNG(const String &path) {
 return GetTopic(path + "$" + ToLower(LNGAsText(SetLNGCharset(GetCurrentLanguage(),
CHARSET_DEFAULT))));
}
```

I am not sure about the second one though... May be with a longer name it would be more easy to use:

```
int GetCurrentLanguageIdWithDefaultCharset()
{
    return SetLNGCharset(GetCurrentLanguage(), CHARSET_DEFAULT));
}
```

But I do not actually see where this shortcut would be useful.

Subject: Re: GetLanguageCode
Posted by mirek on Fri, 09 Jan 2009 07:44:11 GMT
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OK, now in Core.

Mirek