Subject: Skylark functions/links
Posted by mingodad on Mon, 14 Apr 2014 15:46:11 GMT
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Hello !

I need to have a way to url_encode some values in witz templates (not in c++), it seems that there is a way to define new functions to be available in witz templates but is not documented, I looked at the source code but could not see how to do it.

Someone can shed a light here ?

Also the way to make links is not too good, I needed to add bookmarks to the links but the actual link function do not seem to accept it and also return a quoted string what makes add things to it in witz impossible.

I replaced on souce all ("\"" + theLink + "\"") by just (theLink) and could achieve my needs.

Another topic related with witz is the actual way to add witz code prefixing with "#$" works fine for hand write code from programmers but it's not friendly to designers and wysiwyg tools (need be aware of escaping "#$" and it can makes invalid html).

I propose to put then hidden inside tags:

<if()><else/></endif> <for()></endfor> ${variable}

It's a bit anoying for hand write but for wysiwyg editors it's fine.

Cheers !

Subject: Re: Skylark functions/links
Posted by Zbych on Mon, 14 Apr 2014 16:14:22 GMT
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Take a look at this thread:

http://www.ultimatepp.org/forums/index.php?t=msg&th=7545 &goto=39562&#msg_39562

You have to create function body and register it:

```
Value translate(const Vector<Value>& arg, const Renderer *)
{
 if(arg.GetCount() == 1 && IsString(arg[0]))
  return GetLngString(GetCurrentLanguage(), (String)arg[0]);
 return arg[0];
}
```

```
INITBLOCK {
 Compiler::Register("t_", translate);
};
```

And after that you can use it in witz:
$t_("some text")

Subject: Re: Skylark functions/links
Posted by mingodad on Mon, 14 Apr 2014 16:49:32 GMT
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Thanks for the link !

I've created this function:

```
Value WitzUrlEncode(const Vector<Value>& arg, const Renderer *) {
 if(arg.GetCount() != 1 || !IsString(arg[0]))
  return String();
 StringBuffer buf;
 UrlEncode(buf, String(arg[0]));
 return Value(buf.Begin());
}

INITBLOCK {
 Compiler::Register("url_encode", WitzUrlEncode);
}
```

But I get two kind of errors ($rec.name has valid content) :

$url_encode($rec.name) >>> Internal server error (206,12): missing number
---
or

$url_encode(rec.name) >>> **********PANIC: Invalid memory access! Segmentation fault (core dumped)

Probably a bug in U++ !!!

Attached sample to test!

File Attachments
1) bug_witz_function.tgz, downloaded 420 times

Subject: Re: Skylark functions/links
Posted by mirek on Mon, 14 Apr 2014 18:16:13 GMT
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mingodad wrote on Mon, 14 April 2014 16:49Thanks for the link !

I've created this function:

```
Value WitzUrlEncode(const Vector<Value>& arg, const Renderer *) {
 if(arg.GetCount() != 1 || !IsString(arg[0]))
  return String();
 StringBuffer buf;
 UrlEncode(buf, String(arg[0]));
 return Value(buf.Begin());
}

INITBLOCK {
 Compiler::Register("url_encode", WitzUrlEncode);
}
```

But I get two kind of errors ($rec.name has valid content) :

$url_encode($rec.name) >>> Internal server error (206,12): missing number
---
or

$url_encode(rec.name) >>> **********PANIC: Invalid memory access! Segmentation fault (core dumped)

Probably a bug in U++ !!!

Attached sample to test!

Well, this is nice one...

What happened here is that you have probably seen

UrlEncode(StringBuffer& b, const char *s) signature in Skylark - but that is local function (my fault, should have made it static).

What got called instead was

UrlEncode(const char *begin, const char *end);

(from Core/Inet.h)

which, having begin and end pointing to unrelated things, obviously crashed.

This works:

```
Value WitzUrlEncode(const Vector<Value>& arg, const Renderer *) {
 return arg.GetCount() == 1 && IsString(arg[0]) ? UrlEncode(arg[0]) : String();
}

INITBLOCK {
 Compiler::Register("url_encode", WitzUrlEncode);
}
```

Subject: Re: Skylark functions/links
Posted by mingodad on Mon, 14 Apr 2014 19:20:56 GMT
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Yes it works, thanks again !

One thing I noticed now but I didn't got it on the documentation, when using variables as parameters to functions in witz we should not use "$" in front of it, a bit confusing !

Cheers !

Subject: Re: Skylark functions/links
Posted by mirek on Mon, 14 Apr 2014 20:39:19 GMT
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mingodad wrote on Mon, 14 April 2014 19:20Yes it works, thanks again !

One thing I noticed now but I didn't got it on the documentation, when using variables as parameters to functions in witz we should not use "$" in front of it, a bit confusing !

Cheers !

It is not PHP

$ just starts the expression.

Mirek
