

μWeb - Bug #855

templateparser crashen on missing index in eval replacement

2012-06-08 11:11 - Jan Klopper

Status:	Closed	Start date:	2012-06-08
Priority:	Normal	Due date:	
Assignee:	Elmer de Loeff	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	μWeb alpha release	Spent time:	1.00 hour
Description			
<p>The following input and template trigger an error and a reset connection, template:</p>			
<pre>{{ if isinstance([field], [fieldtypes:decimal])} test {{ endif }}</pre>			
<p>with a call to the templateparser of:</p>			
<pre>self.parser.Parse('template', field=10, fieldtypes={'X':'Y'})</pre>			
<p>I would expect the keyerror in the eval to trigger a keyerror in the uweb stack, and return at least a debug page.</p>			
<p>The log says:</p>			
<pre>Traceback (most recent call last): File "/home/janklopper/uweb/__init__.py", line 125, in RequestHandler response = getattr(pages, method)(*args) File "/home/janklopper/uweb/pagemaker/admin.py", line 61, in _Admin fieldtypes=FIELDTYPES) File "/home/janklopper/uweb/templateparser.py", line 324, in Parse return SafeString(''.join(tag.Parse(**kwds) for tag in self)) File "/home/janklopper/uweb/templateparser.py", line 324, in <genexpr> return SafeString(''.join(tag.Parse(**kwds) for tag in self)) File "/home/janklopper/uweb/templateparser.py", line 554, in Parse output.append(''.join(tag.Parse(**replacements) for tag in self)) File "/home/janklopper/uweb/templateparser.py", line 554, in <genexpr> output.append(''.join(tag.Parse(**replacements) for tag in self)) File "/home/janklopper/uweb/templateparser.py", line 493, in Parse if self.Expression(expr, **kwds): File "/home/janklopper/uweb/templateparser.py", line 474, in Expression return eval(''.join(nodes), None, local_vars) File "<string>", line 1, in <module> File "/home/janklopper/uweb/templateparser.py", line 59, in __getitem__ return self._tags[key].GetValue(self._values) File "/home/janklopper/uweb/templateparser.py", line 627, in GetValue value = self._GetIndex(value, index) File "/home/janklopper/uweb/templateparser.py", line 716, in _GetIndex raise TemplateKeyError('Item has no index, key or attribute %r.' % needle) TemplateKeyError: Item has no index, key or attribute 'decimal'.</pre>			

Associated revisions

Revision 244:4120ad4a2cfd - 2012-06-08 12:13 - Elmer de Looff

Added 'items', 'values' and 'sorted' TemplateTag functions, allowing the InternalServerError handler to delegate iteration over possibly unsafe local variables to the template. Also added iteration methods for the IndexedFieldStorage, further reducing the need for iteration to be directed by the DebuggingPageMaker. This resolves #855.

History

#1 - 2012-06-08 11:28 - Jan Klopper

2nd trace:

```
Traceback (most recent call last):
  File "/usr/lib/python2.7/SocketServer.py", line 284, in _handle_request_noblock
    self.process_request(request, client_address)
  File "/usr/lib/python2.7/SocketServer.py", line 310, in process_request
    self.finish_request(request, client_address)
  File "/usr/lib/python2.7/SocketServer.py", line 323, in finish_request
    self.RequestHandlerClass(request, client_address, self)
  File "/usr/lib/python2.7/SocketServer.py", line 639, in __init__
    self.handle()
  File "/usr/lib/python2.7/BaseHTTPServer.py", line 343, in handle
    self.handle_one_request()
  File "/home/janklopper/uweb/standalone.py", line 84, in handle_one_request
    self.server.router(self)
  File "/home/janklopper/uweb/__init__.py", line 133, in RequestHandler
    response = pages.InternalServerError(*sys.exc_info())
  File "/home/janklopper/uweb/pagemaker/__init__.py", line 345, in InternalServerError
    'traceback': self._ParseStackFrames(traceback)})
  File "/home/janklopper/uweb/pagemaker/__init__.py", line 307, in _ParseStackFrames
    'locals': sorted(frame.f_locals.items()),
  File "/home/janklopper/uweb/templateparser.py", line 84, in items
    return list(self.iteritems())
  File "/home/janklopper/uweb/templateparser.py", line 72, in <genexpr>
    return ((key, self[key]) for key in self)
  File "/home/janklopper/uweb/templateparser.py", line 59, in __getitem__
    return self._tags[key].GetValue(self._values)
  File "/home/janklopper/uweb/templateparser.py", line 627, in GetValue
    value = self._GetIndex(value, index)
  File "/home/janklopper/uweb/templateparser.py", line 716, in _GetIndex
    raise TemplateKeyError('Item has no index, key or attribute %r.' % needle)
TemplateKeyError: Item has no index, key or attribute 'Decimal'.
```

#2 - 2012-06-08 12:13 - Elmer de Looff

- *Status changed from New to Resolved*
- *% Done changed from 0 to 70*

Applied in changeset [4120ad4a2cfd](#).

#3 - 2012-06-08 12:16 - Elmer de Looff

- *Category set to TemplateParser*

Jan,

This should be fixed, could you please verify?

#4 - 2012-06-08 13:01 - Jan Klopper

- *Category deleted (TemplateParser)*
- *Status changed from Resolved to Closed*
- *% Done changed from 70 to 100*

works as expected! thnx