

TextCritical.net - Bug #495

Morphology lookups are slow

12/26/2012 10:29 PM - Luke Murphey

Status:	Closed	Start date:	12/26/2012
Priority:	Normal	Due date:	
Assignee:	Luke Murphey	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	0.2		
Description			

Associated revisions

Revision 287 - 12/27/2012 04:54 AM - Luke Murphey

Added indexing in order to improve lemma lookup performance. Closes #495.

Revision 287 - 12/27/2012 04:54 AM - Luke Murphey

Added indexing in order to improve lemma lookup performance. Closes #495.

Revision 279 - 12/27/2012 04:54 AM - Luke Murphey

Added indexing in order to improve lemma lookup performance. Closes #495.

History

#1 - 12/26/2012 10:30 PM - Luke Murphey

- Status changed from New to In Progress

The lookups take about 3 to 3.5 seconds on my laptop.

#2 - 12/26/2012 10:41 PM - Luke Murphey

I made indexes and the performance improved dramatically. The lookup time decreased to about 15 ms with indexing. The indexes can be created with the following:

```
create index "reader_wordform_form" on "reader_wordform" ("form");
create index "reader_wordform_basic_form" on "reader_wordform" ("basic_form");
```

In Python, you can do the following:

```
from django.db import transaction
from django.db import connections
cursor = connections['library'].cursor()

cursor.execute("create index \"reader_wordform_form\" on \"reader_wordform\" (\"form\")")
transaction.commit_unless_managed()

cursor.execute("create index \"reader_wordform_basic_form\" on \"reader_wordform\" (\"basic_form\")")
transaction.commit_unless_managed()
```

#3 - 12/27/2012 04:57 AM - Luke Murphey

- *Status changed from In Progress to Closed*

- *% Done changed from 0 to 100*

Applied in changeset [r287](#).