

μWeb - Bug #928

Resolving relations to VersionedRecord classes happens on Primary Key only

2012-08-23 17:47 - Elmer de Looff

Status:	Closed	Start date:	2012-08-23
Priority:	Normal	Due date:	
Assignee:	Elmer de Looff	% Done:	100%
Category:	Model	Estimated time:	0.00 hour
Target version:	μWeb beta release	Spent time:	3.00 hours
Description			
<p>Currently, foreign relations to the VersionedRecord class are resolved using the FromPrimary method. This means that a specific (possibly outdated) version of the appropriate record is returned. In most situations, the reference is actually to the record in general, and not to a specific version of that record.</p> <p>That is to say, the default loading method for VersionedRecord classes should be FromIdentifier.</p> <p>Ideally, the specific method used for loading should be specified by the designer of the various relations, as there exist various situations where the specific version needs linking instead.</p>			

Associated revisions

Revision 289:996a08a1b2c2 - 2012-08-23 17:47 - Elmer de Looff

Added (failing) test for uWeb model to confirm issue #928.

Revision 290:e811dcd32282 - 2012-08-23 19:23 - Elmer de Looff

Retrieving a foreign relation that is a VersionedRecord now automatically (by default) uses FromIdentifier. This behaviour can be changed by either defining the `_LOAD_METHOD` class variable, which changes the global load behaviour, or by providing a dictionary to the `_FOREIGN_RELATIONS` mapping, where the class name is a dictionary with 'class' and 'loader' keys. The latter being a string naming the loader method for foreign relations. This resolves #928.

History

#1 - 2012-08-23 19:40 - Elmer de Looff

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

Applied in changeset [e811dcd32282](#).

#2 - 2012-08-23 19:57 - Elmer de Looff

- Status changed from Resolved to Closed
- % Done changed from 70 to 100

VersionedRecord now retrieves requested foreign related records using FromIdentifier. This behaviour can be adjusted both on a per-class level, and a per-relation level:

Changing the load method for the entire class:

```
from uweb import model

class Customer(model.VersionedRecord):
    """Versioned customer class that is loaded as specific version by default"""
    _LOAD_METHOD = 'FromPrimary'
```

Changing the load method for a single relation:

```
from uweb import model

class Customer(model.VersionedRecord):
    """Versioned customer class"""

class Invoice(model.Record):
    """Invoice class, related customers are of a fixed version"""
    _FOREIGN_RELATIONS = {'customer': {'class': Customer, 'loader': 'FromPrimary'}}
```