

EDIT - bug #6546

Adding identifier does not always work

03/30/2017 11:47 AM - Andreas Müller

Status:	In Progress	Start date:	
Priority:	Highest	Due date:	
Assignee:	Andreas Müller	% Done:	0%
Category:	cdmlib	Estimated time:	0:00 hour
Target version:	Reviewed Next Major Release	Found in Version:	Release 4.5
Severity:	normal		
Description			
<p>Probably this is related to the size() problem in PersistentLists (see #5211): If a PersistentList is detached (not bound to a session) it adds new objects NOT to the underlying list but to an operationQueue. The operation queue is handled during reattache.</p>			
<pre>(from PersistentList line 312ff) @Override @SuppressWarnings("unchecked") public void add(int index, Object value) { if (index < 0) { throw new ArrayIndexOutOfBoundsException("negative index"); } if (!isInitialized() isConnectedToSession()) { // NOTE: we don't care about the inverse part here because // even if the collection is inverse, this side is driving the // writing of the indexes. And because this is a positioned-add // we need to load the underlying elements to know how that // affects overall re-ordering write(); list.add(index, value); } else { queueOperation(new Add(index, value)); } } </pre>			
<p>The objects in the operationQueue are NOT considered when calling PersistentList.size(). Therefore calls to size like in IdentifiableEntity.addIdentifier() create unexpected results.</p>			
<pre>@Override public void addIdentifier(Identifier identifier){ addIdentifier(getIdentifiers().size(), identifier); } </pre>			
<p>The problem only exists if add() is called with an index, like add(int, obj). The default add(obj) handles the list as expected:</p>			
<pre>@Override public boolean add(Object object) { if (!isOperationQueueEnabled()) { write(); return list.add(object); } else { queueOperation(new SimpleAdd(object)); return true; } } </pre>			
Related issues:			
Related to EDIT - bug #5211: Error when creating new taxon /problem with sort...		In Progress	

Associated revisions

ref #6546 avoid add() with index if not necessary

History

#1 - 03/30/2017 11:48 AM - Andreas Müller

- Related to bug #5211: Error when creating new taxon /problem with sortindex in taxon tree added

#2 - 03/30/2017 04:57 PM - Andreas Müller

- Description updated

- Status changed from New to In Progress

#3 - 09/25/2017 03:50 PM - Andreas Müller

- Target version changed from Release 4.7 to Release 4.11

#4 - 11/08/2017 11:27 AM - Andreas Müller

- Target version changed from Release 4.11 to Release 4.12

#5 - 12/05/2017 02:08 PM - Andreas Müller

- Target version changed from Release 4.12 to Release 4.13

#6 - 01/31/2018 12:49 PM - Andreas Müller

- Target version changed from Release 4.13 to Release 4.14

#7 - 02/15/2018 03:38 PM - Andreas Müller

- Target version changed from Release 4.14 to Release 5.0

#8 - 05/14/2018 11:36 PM - Andreas Müller

- Target version changed from Release 5.0 to Release 5.1

#9 - 06/27/2018 02:31 PM - Andreas Müller

- Target version changed from Release 5.1 to Release 5.2

#10 - 08/17/2018 04:04 PM - Andreas Müller

- Target version changed from Release 5.2 to Release 5.3

#11 - 09/06/2018 10:05 AM - Andreas Müller

- Target version changed from Release 5.3 to Release 5.4

#12 - 10/23/2018 12:46 PM - Andreas Müller

- Target version changed from Release 5.4 to Release 5.5

#13 - 02/14/2019 10:38 PM - Andreas Müller

- Target version changed from Release 5.5 to Release 5.6

#14 - 02/19/2019 05:04 PM - Andreas Müller

- Target version changed from Release 5.6 to Reviewed Next Major Release