

EDIT - task #9964

Improve matching of collections

03/02/2022 11:16 PM - Andreas Müller

Status:	New	Start date:	
Priority:	New	Due date:	
Assignee:	Andreas Müller	% Done:	0%
Category:	cdmlib	Estimated time:	0:00 hour
Target version:	Unassigned CDM tickets		
Severity:	normal		
Description			
For details see #9905 .			
Maybe we need to switch to HQL (https://stackoverflow.com/questions/3940371/how-do-i-select-the-nth-element-in-a-collection-by-the-number-in-an-indexcolumn , https://stackoverflow.com/questions/37605583/how-to-query-an-element-inside-an-indexed-collection-using-hql) for match strategies or use JPA for indexes: https://www.logicbig.com/tutorials/java-ee-tutorial/jpa/criteria-api-collection-operations.html			
Also we need to make it generic. Currently we only have a workaround for team.teamMembers to avoid performance issues during parse result deduplication for names.			
Also there is the problem that TeamOrPesonBase can't be used, e.g. in Reference.authorTeam.* which is an instance of TeamOrPersonBase. TeamOrPersonBase does not have teamMembers as attribute. In #9905 we created a dirty workaround for this by using the "level" parameter for recursion. With this workaround MatchMode.Match for collections is only included in criteria if they exist on top level. This is usually ok as differences on lower levels do usually not lead to a large number of records that are loaded unnecessarily (the strongest filtering effect usually happens on top level). Hibernate issues maybe related are http://igaffa.blogspot.com/2013/01/fix-for-orghibernatemappingexception.html and https://hibernate.atlassian.net/browse/HHH-6562			
Related issues:			
Copied from EDIT - bug #9905: Parser is slow for names with authorteams		Closed	

History

#1 - 03/02/2022 11:17 PM - Andreas Müller

- Copied from bug #9905: Parser is slow for names with authorteams added

#2 - 03/03/2022 09:05 AM - Andreas Müller

- Description updated

#3 - 03/03/2022 09:06 AM - Andreas Müller

- Description updated

#4 - 03/03/2022 12:11 PM - Andreas Müller

- Description updated