EDIT - task #7052

discuss eager loading of term representations

11/03/2017 04:46 PM - Andreas Kohlbecker

Status:	Rejected		**Start date:**	
Priority:	New		**Due date:**	
Assignee:	Andreas Kohlbecker		**% Done:**	100%
Category:	cdmlib		**Estimated time:**	0:00 hour
Target version:				
Severity:	normal			

Description
is almost all cases when a term is being initialized via a initialization strategy the representations are also needed. Therefor it seems as if this is a candidate for eager loading.

Related issues:	
Copied to EDIT - task #7054: clean up initialization strategy using '.represe...	**In Progress**

History

#1 - 11/03/2017 11:39 PM - Andreas Müller

- Status changed from New to Feedback

- Assignee changed from Andreas Müller to Andreas Kohlbecker

Maybe I misunderstand this ticket, but as far as I can see we do already have eager loading for representations.
See the following code from TermBase:

```
@XmlElementWrapper(name = "Representations")
@XmlElement(name = "Representation")
@OneToMany(fetch=FetchType.EAGER, orphanRemoval=true)
@Cascade( { CascadeType.SAVE_UPDATE, CascadeType.MERGE, CascadeType.DELETE})
// @IndexedEmbedded no need for embedding since we are using the DefinedTermBaseClassBridge
private Set<Representation> representations = new HashSet<>();
```

But I can see that RelationshipTermBase has inverse representations not being loaded eager:

```
@XmlElementWrapper(name = "InverseRepresentations")
@XmlElement(name = "Representation")
@OneToMany(fetch = FetchType.LAZY, orphanRemoval=true)
@JoinTable(name="TermBase_inverseRepresentation",
    joinColumns=@JoinColumn(name="term_id")
)
@Cascade({CascadeType.SAVE_UPDATE, CascadeType.MERGE, CascadeType.DELETE})
@IndexedEmbedded(depth = 2)
private Set<Representation> inverseRepresentations = new HashSet<>();
```

Please define further what you exactly need.

#2 - 11/06/2017 10:31 AM - Andreas Kohlbecker

Ah ok, has this been changed during the last years? I am asking for eager loading of representations since we have a couple of init-strategies which sill include the representations:

```
DescriptionElementController.java
 66: "states.state.representations",
DescriptionElementListPortalController.java (2 matches)
 45: "name.rank.representations",
 46: "name.status.type.representations",
FeatureTreeListPortalController.java (2 matches)
 32: "root.feature.representations",
 33: "root.childNodes.feature.representations"
FeatureTreePortalController.java
 56: featuretreeNodeInitStrategy.add("feature.representations");
NameController.java
 51: "typeStatus.representations",
NamePortalController.java
 67: "typeStatus.representations",
```

```
TaxonPortalController.java (7 matches)
 116: "name.rank.representations",
 117: "name.status.type.representations",
 133: "name.rank.representations",
 134: "name.status.type.representations",
 143: "synonyms.name.status.type.representations",
 193: "name.rank.representations",
 194: "name.status.type.representations",
TaxonPortalListController.java (2 matches)
 32: "name.rank.representations",
 33: "name.status.type.representations",
```

All these are thus no longer needed and should be removed.
We should open a new ticket for this.....

#3 - 11/06/2017 10:32 AM - Andreas Kohlbecker

- Status changed from Feedback to Rejected

- Target version deleted (Unassigned CDM tickets)

- % Done changed from 0 to 100

#4 - 11/06/2017 10:33 AM - Andreas Kohlbecker

- Copied to task #7054: clean up initialization strategy using '.representations' added