Association bidirectionnelle balise inverse

Mapping Theme

Code

Association OneToOne bidirectionnelle

```
<class name="Person">
  <id name="id" column="personId">
    <generator class="native"/>
  </id>
  <many-to-one name="address" column="addressId"
   unique="true" not-null="true"/>
</class>
<class name="Address">
  <id name="id" column="addressId">
    <generator class="native"/>
  </id>
  <one-to-one name="person" property-ref="address"/>
</class>
```

Association OneToMany bidirectionnelle

```
<class name="Theme">
  <id name="id" column="id">
    <generator class="native"/>
  </id>
  <set name="mots" inverse="true">
    <key column="IDTheme"/>
    <one-to-many class="MotClef"/>
  </set>
</class>
<class name="MotClef">
  <id name="id" column="id">
    <generator class="native"/>
  </id>
  <many-to-one name="address" column="IDTheme" not-null="true"/>
</class>
```

Association many-to-many Le mapping

```
<hibernate-mapping package="com.tsystems.etechno.j12.exemple.metier">
 <class name="Item" table="TItem" discriminator-value="IT">
    <id name="id" column="ID">
     <generator class="native"/>
                                                              Table
    </id>
                                                           association
    <!- autres propriétés ->
    <set name="motclefs" table="titem_motclef" >
     <key column="IDItem"/>
     <many-to-many class="MotClef" column="IDMotClef"/>
    </set>
 </class>
</hibernate-mapping>
```

Collections

- Les Collection, List, Map et Set peuvent être mappées via les annotations @OneToMany ou @ManyToMany
- Si on utilise *hbm*, il faut utiliser la balise adéquate (<set>, , <map>, <bag>, <array>, <pri>, <pri>, <pri>, <array>)
- Lorsque la collection est persistée ou chargée, elle est remplacée par une collection de type Hibernate qui respecte l'interface initiale

Collections Hibernate

```
Cat cat = new DomesticCat();
Cat kitten = new DomesticCat();
....
Set kittens = new HashSet();
kittens.add(kitten);
cat.setKittens(kittens);
session.persist(cat);
kittens = cat.getKittens(); // Okay,
(HashSet) cat.getKittens(); // Error!
```

Mapping de Collection

<set> et <bag>

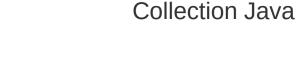
```
<set name="motclefs" >
                                                 Set motclefs = new HashSet<MotClef>();
      <key column="IDTheme"/>
      <one-to-many class="MotClef"/>
                                                       [ MotClef@76, MotClef@43 ]
 </set>
                                                            { Non ordonné a priori }
<br/>loag name="motclefs">
                                                List motclefs = new ArrayList<MotClef>();
     <key column="IDTheme"/>
      <one-to-many class="MotClef"/>
                                                      [ MotClef@43, MotClef@76 ]
</bag>
                                                    { Ordonné suivant le chargement }
                                                                              VII - 7
```

Mapping des associations

Mapping de Collection

ist = et <map>

Tag Hibernate



```
List motclefs = new ArrayList<MotClef>();
```

[null,null,..., null,fantôme, gothique]



Map<String,MotClef> motclefs =
 new HashMap<String,MotClef>();

```
[ {« fantome », Motclef@43}, 
{« gothique », MotClef@76} ]
```