Let :

* attributes = set of the attributes (belonging to entity types or relationship types)
* entities = set of the entity types

= {},

such as:  
 - that describes the composition of   
 --,   
 with and is an attribute of

* relations = set of the relationship types

= {},

such as:   
 :: ,   
- x- ,  
- ,

E entities : descr-E (), avec n

1. Generate class pojo.E

* E, E’ : private List<E’> E’ ;
* E, E’ : private E’ E’ ;
* E, : private List<R> RList ;
* E, : private R R ;
* E, E’, : private List<R> RList ;
* E, E’, : private R R;

1. Generate class EService

* insertEandLinkedItems(E)
* if

then insertE(E)

else

if

then insertE(E, {}, {}),

with

with :

R(), avec n

1. Generate class pojo.R
2. Generate class RService

* insertRandLinkedItems(R)
* if ,

then attachPersistentItemsByR()