

# My Modifications on Mapping Primitives

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May 14, 2014

My modifications on the scenario is as follows:

## 1 Mapping Primitives

- ADD
  1. Enhanced to pass types of attributes as argument to addRelation in genTargetRels
  2. Enhanced to pass types of attributes as argument to addRelation in genSourceRels:  
To do that, I added new attribute called "targetReuse" to the class
  3. Enhanced to check whether keySize is greater number of source relation attributes or not
- ADL - discussion with Patricia is needed (PrimaryKey)
  1. same as above
- CP - discussion with Patricia is needed (PrimaryKey)
  1. Enhanced to pass types of attributes as argument to addRelation in genTargetRels
  2. Enhanced to pass types of attributes as argument to addRelation in genSourceRels:  
To do that, I added new attribute called "targetReuse" to the class
  3. Fixed keySize in chooseSourceRels
- DL - discussion with Patricia is needed (PrimaryKey)
  1. Enhanced to pass types of attributes as argument to addRelation in genTargetRels
  2. Enhanced to pass types of attributes as argument to addRelation in genSourceRels:  
To do that, I added new attribute called "targetReuse" to the class

- 3. Fixed keySize in chooseTargetRels
- HP - (I don't really understand target reusability)
  - 1. Fixed tries in chooseSourceRels and chooseTargetRels
  - 2. Enhanced to pass types of attributes as argument to addRelation in genTargetRels
  - 3. Enhanced to pass types of attributes as argument to addRelation in genSourceRels:  
To do that, I added new attribute called "targetReuse" to the class
- ME - (restricted version of target reusability - discussion with Patricia is needed)
  - 1. Fixed NumOfAttributes in chooseSourceRels
  - 2. Fixed joinAttrs in chooseSourceRels
  - 3. Fixed chooseTargetRels to correctly set numOfUseAttrs which is needed to generate source rels
  - 4. Enhanced genTargetRels to pass types of attributes of target relation as argument to addRelation
  - 5. Modified criteria for choosing target relation in chooseTargetRels
  - 6. Enhanced genSourceRels to pass types of attributes of source relations as argument to addRelation
  - 7. Fixed primaryKeys in chooseSourceRels
  - 8. Fixed numOfUseAttrs in chooseSourceRels
- MA - (restricted version of target reusability - discussion with Patricia is needed)
  - 1. Implemented chooseSourceRels and chooseTargetRels
  - 2. Fixed genTargetRels
  - 3. Enhanced genTargetRels to pass types of attributes of target relations as argument to addRelation
  - 4. Modified chooseSourceTargetRels
  - 5. Enhanced genSourceRels to pass types of attributes of source relations as argument to addRelation
- OF
- SJ
- SU - (what about primaryKey in target relation? - discussion with Patricia is needed)
  - 1. Implemented chooseSourceRels and chooseTargetRels

- 2. Enhanced genTargetRels to pass types of attributes of target relation as argument to addRelation
  - 3. Enhanced genSourceRels to pass types of attributes of source relation as argument to addRelation
- VP - (test target reusability)
  - 1. Implemented chooseSourceRels and chooseTargetRels
  - 2. Enhanced genTargetRels to pass types of attributes of target relation as argument to addRelation
  - 3. Modified chooseSourceRels to check primaryKey positions
  - 4. Enhanced genSourceRels to pass types of attributes of source relation as argument to addRelation
- VH - (test target reusability)
  - 1. Implemented chooseSourceRels and chooseTargetRels
  - 2. Enhanced genTargetRels to pass types of attributes of target relation as argument to addRelation
  - 3. Enhanced genSourceRels to pass types of attributes of source relation as argument to addRelation
- VI - (test target reusability)
  - 1. Implemented chooseSourceRels and chooseTargetRels
  - 2. Enhanced genTargetRels to pass types of attributes of target relation as argument to addRelation
  - 3. Enhanced genSourceRels to pass types of attributes of source relation as argument to addRelation
- VISA - (test target reusability)
  - 1. Implemented chooseSourceRels and chooseTargetRels
  - 2. Enhanced genTargetRels to pass types of attributes of target relation as argument to addRelation
  - 3. Enhanced genSourceRels to pass types of attributes of source relation as argument to addRelation
- VNToM - (test target reusability)
  - 1.

## **2 Inclusion Dependencies**

## **3 .XSD, .XSML and .MAPJOB Writers**