* Create a new project at protege with uri: <http://faculty-semweb.googlecode.com/svn/trunk/ontorepo/xxx.owl>
* Enumerate important terms

Person

Man

Woman

Male

Female

Children

Sister

Brother

Sibling

Uncle

Aunt

Nephew

Niece

Son

Daughter

Father

Mother

* Organize the terms (again and again)

Gender

Male

Female

Person

Child

Son

Daughter

Sibling

Sister

Brother

Uncle

Aunt

Nephew

Niece

Father

Mother

* Organize the terms (again)

Gender

Male

Female

Person

Parent

Father

Mother

Relative

Uncle

Nephew

Aunt

Niece

Child

Son

Daughter

Sibling

Sister

Brother

* paraphrase and formalise the definitions

Man = Person AND Male

Woman = Person AND Female

Person = Man OR Woman

Daughter = Child AND Woman

Son = Child AND Man

Aunt = Woman AND (hasNephew OR hasNiece)

Nephew = Man AND (hasUncle OR hasAunt)

Niece = Woman AND (hasUncle OR hasAunt)

Child = Person AND hasParent

Sibling = Person AND hasSibling

Brother = Man AND Sibling

Sister = Woman AND Sibling

Relative = Sibling OR Parent OR Child OR Aunt OR Nephew OR Niece OR Uncle

...

* define classes and class hierarchies in Protege
* enter necessary properties (hasParent, hasChild...)
* run dig reasoner (pellet) (step1)
  + run “pellet.bat dig” command
  + register localhost:8081 path at Protege Preferences page
  + Run Classifier from Protege
    - See under Relative
  + Demo DIG on Brother class
    - Remove Man from Necessary&Sufficient conditions
    - Add “hasGender has Male” condition
    - Run Classifier again
      * See Brother under Man
* Add Instances and make classification again (step2)

M1

F1

M2

F4

F5

F6

M3

M4

F7

F2

F3