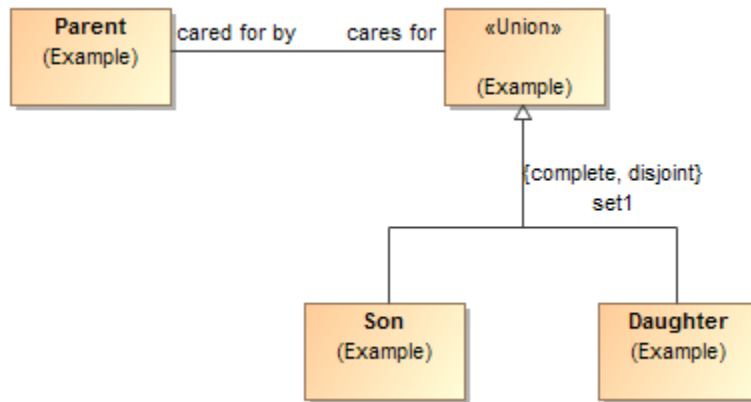


# Disjoint classes



Disjoint dependency.

```
Ontology(<http://www.example.com/ontology/Disjoint>
  Declaration(Class(:Daughter))
  Declaration(Class(:Parent))
  Declaration(Class(:Son))
  Declaration(ObjectProperty(:caredForBy))
  Declaration(ObjectProperty(:caresFor))
  AnnotationAssertion(rdfs:label :Daughter "Daughter"@en)
  DisjointClasses(:Daughter :Son)
  AnnotationAssertion(rdfs:label :Parent "Parent"@en)
  AnnotationAssertion(rdfs:label :Son "Son"@en)
  AnnotationAssertion(rdfs:label :caredForBy "cared for by"@en)
  InverseObjectProperties(:caredForBy :caresFor)
  ObjectPropertyDomain(:caredForBy ObjectUnionOf(:Son :Daughter))
  ObjectPropertyRange(:caredForBy :Parent)
  AnnotationAssertion(rdfs:label :caresFor "cares for"@en)
  ObjectPropertyDomain(:caresFor :Parent)
  ObjectPropertyRange(:caresFor ObjectUnionOf(:Son :Daughter))
)
```

## Related page

- [UML to Equivalent OWL in OWL Functional Syntax](#)