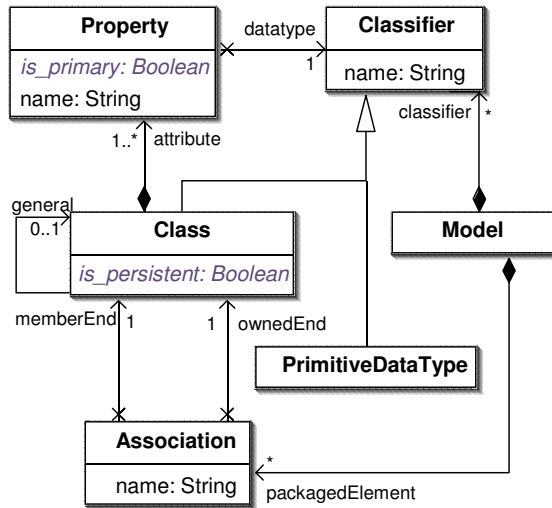


UML Meta-model pruned



(a)

samples of OCL Invariants

context Class

inv noCyclicInheritance:
 not self.allGenerals()->includes(self)

inv uniqueAttributesName:
 self.attribute->forAll(att1, att2 |
 att1.name=att2.name implies att1=att2)

context Model

inv uniqueClassifierNames:
 self.classifier->forAll(c1, c2 |
 c1.name=c2.name implies c1=c2)

inv uniqueClassAssociationSourceName :
 self.packagedElement->forAll(ass1, ass2 |
 ass1.name=ass2.name implies
 (ass1=ass2 or ass1.src != ass2.src))

(b)