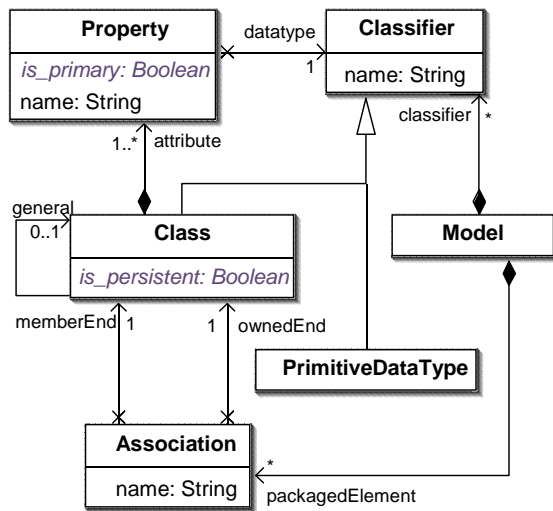


Class diagram subset of UML Meta-model



(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)