

Object constraints language (OCL)

1) context: Offering

inv: Offering.allInstances()->->forAll(c1, c2 | c1.startDate = c2.startDate and c1.startTime = c2.startTime implies c1.address <> c2.address)

2) Context: UnderageClient

inv: self.guardianName <> null and self.guardianPhone <> null

3) Context: Offering

inv: Offering.allInstances()->forAll(o | o.city = Instructor.allInstances()->select(i | i.teaches(o.lessonId))->asSet()->includes(o.city))

4) Context: Client

inv: self.lessons->forAll(l1, l2 | l1 <> l2 implies l1.bookingDate <> l2.bookingDate or l1.timeslot <> l2.timeslot)