International Organisation

acronym[1]: NonEmptyString {id}
name[1]: NonEmptyString {id}
members[*]: Country

checkAcronym(in id: String): ConstraintViolation
checkAcronymAsID(in id: NonEmptyString): ConstraintViolation
setAcronym(in id: String)
checkName(in name: String): ConstraintViolation
setName(in name: String)
checkMembers(in members: Country[*]): ConstraintViolation
checkMember(in member: Country): ConstraintViolation
setMembers(in members: Country[*])

City

name[1]: NonEmptyString {id}

checkName(in id: String): ConstraintViolation
checkNameAsID(in id: NonEmptyString): ConstraintViolation
setName(in id: String)

Country

name[1]: NonEmptyString{id}
capital[1]: City{id}
cities[*]: City

checkName(in id: String): ConstraintViolation
checkNameAsID(in id: NonEmptyString): ConstraintViolation
setName(in id: String)
checkCapital(in cap: City): constraintViolation
setCapital(in cap: City)
checkCities(in city: City[*]): constraintViolation
checkCity(in city: City): constraintViolation
setCity(in city: City[*])