

OO class model

Movie
movieId [1] : PositiveInteger {id}
title [1] : String
releaseDate [1] : Date
director [1] : Person
actors [*] : Person

Person
personId [1] : PositiveInteger {id}
name [1] : String

JavaScript class model

Movie
<<get/set>> movieId [1] : number(int) {id}
<<get/set>> title [1] : string
<<get/set>> releaseDate [1] : Date
<<get/set>> director [1] : Person
<<get/set>> actors [*] : Person
<u>checkMovieId(in movieId : number(int)) : ConstraintViolation</u>
<u>checkMovieIdAsId(in movieId : number(int)) : ConstraintViolation</u>
<u>checkTitle(in title : string) : ConstraintViolation</u>
<u>checkReleaseDate(in releaseDate : Date) : ConstraintViolation</u>
<u>checkDirector(in directorId : Person) : ConstraintViolation</u>
<u>checkActors(in actorId : Person) : ConstraintViolation</u>
addActor(in actor : Person)
removeActor(in actor : Person)

Person
<<get/set>> personId [1] : number(int) {id}
<<get/set>> name [1] : string
<u>checkPersonId(in id : number(int)) : ConstraintViolation</u>
<u>checkPersonIdAsId(in id : number(int)) : ConstraintViolation</u>
<u>checkPersonIdAsIdRef(in id : number(int)) : ConstraintViolation</u>
<u>checkName(in name : string) : ConstraintViolation</u>