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

/directedMovies [*] : Movie {inverse of director}

/playedMovies [*] : Movie {inverse of actors}

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

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checkMovieId(in movieId : number(int)) : ConstraintViolation

checkMovieIdAsId(in movieId : number(int)) : ConstraintViolation

checkTitle(in title : string) : ConstraintViolation

checkReleaseDate(in releaseDate : Date) : ConstraintViolation

checkDirector(in directorId : Person) : ConstraintViolation

checkActors(in actorId : Person) : ConstraintViolation

addActor(in actor : Person)

removeActor(in actor : Person)

Person

<<get/set>> personId [1] : number(int) {id}

<<get/set>> name [1] : string

<<get>> directedMovies [*] : Movie {inverse of director}

<<get>> playedMovies [*] : Movie {inverse of actors}

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checkPersonId(in id : number(int)) : ConstraintViolation

checkPersonIdAsId(in id : number(int)) : ConstraintViolation

checkPersonIdAsIdRef(in id : number(int)) : ConstraintViolation

checkName(in name : string) : ConstraintViolation