OO Class Model:

Movie

movieId [1] : PositiveInteger {id}

title [1] : NonEmptyString

releaseDate [1] : Date

director [1] : Person

actors [*] : Person

Person

personId [1] : PositiveInteger {id}

name [1] : NonEmptyString

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

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

JS 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 d : Person) : ConstraintViolation

checkActor(in a : Person) : ConstraintViolation

addActor(in a:Person)

removeActor(in a: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 personId : number(int)) : ConstraintViolation

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

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

checkName(in name : string) : ConstraintViolation