

Movie
movieID[1]: PositiveInteger{id}
title[1]: NonEmptyString
releaseDate[1]: Date
actors[*]: Actor
director[1]: Director

Actor
actorID: PositiveInteger{id}
name: NonEmptyString

Director
directorID: PositiveInteger{id}
name: NonEmptyString

Movie
<<get/set>> title[1]: NonEmptyString
<<get/set>> movieID[1]: PositiveInteger{id}
<<get/set>> releaseDate[1]: Date
<<get/set>> actors[*]: Actor
<<get/set>> director[1]: Director
<u>checkMovieID(in id : number(int)): ConstraintViolation</u>
<u>checkTitle(in title: string) : ConstraintViolation</u>
<u>checkReleaseDate(in releaseDate : Date): ConstraintViolation</u>
<u>checkActor(in actor : Actor): ConstraintViolation</u>
<u>checkDirector(in director : Director): ConstraintViolation</u>
toString() : String
toRecord() : Object

Director
<<get/set>> directorID: PositiveInteger{id}
<<get/set>> name: NonEmptyString
<u>checkName(in name: string): ConstraintViolation</u>
<u>checkDirectorID(in p: number(int)): ConstraintViolation</u>
toString(): string
toRecord(): Object

Actor
<<get/set>> actorID : PositiveInteger{id}
<<get/set>> name : NonEmptyString
<u>checkName(in name: string) : ConstraintViolation</u>
<u>checkActorID(in p: number(int)) : ConstraintViolation</u>
toString(): string
toRecord(): Object