

OO Class Model

Movie	Person
movieID[1] : PositiveInteger {id}	personID[1] : PositiveInteger {id}
title[1] : NonEmptyString	name[1] : NonEmptyString
releaseDate[1] : Date	/playedMovies(playedIn)[*] : Movie {inverse of actors}
director[1] : Person	/directedMovies(directed)[*] : Movie {inverse of director}
actors[*] : Person	

JS Class Model

Movie	Person
«get/set» movieID[1] : number(int) {id}	«get/set» personID : PositiveInteger {id}
«get/set» title[1] : string	«get/set» name : NonEmptyString
«get/set» releaseDate[1] : Date	«get» playedMovies(playedIn)[*] : Movie {inverse of actors}
«get/set» director[1] : Person	«get» directedMovies(directed)[*] : Movie {inverse of director}
«get/set» actors[*] : Person	
<u>checkMovieID(in id : number(int)): ConstraintViolation</u>	<u>checkPersonID(in p: number(int)) : ConstraintViolation</u>
<u>checkTitle(in title: string) : ConstraintViolation</u>	<u>checkName(in name: string) : ConstraintViolation</u>
<u>checkReleaseDate(in releaseDate : Date): ConstraintViolation</u>	
<u>checkDirector(in director : Director): ConstraintViolation</u>	
<u>checkActor(in actor : Actor): ConstraintViolation</u>	