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
/playedMovies(playedIn)[*] : Movie {inverse of actors}
/directedMovies(directed)[*] : Movie {inverse of director}

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
checkMovieID(in id : number(int)): ConstraintViolation
checkTitle(in title: string) : ConstraintViolation
checkReleaseDate(in releaseDate : Date): ConstraintViolation
checkDirector(in director : Director): ConstraintViolation
checkActor(in actor : Actor): ConstraintViolation

Person
«get/set» personID[1] : PositiveInteger {id}
«get/set» name[1] : NonEmptyString
«get» playedMovies(playedIn)[*] : Movie {inverse of actors}
«get» directedMovies(directed)[*] : Movie {inverse of director}
checkPersonID(in p: number(int)) : ConstraintViolation
checkName(in name: string) : ConstraintViolation