JS Class Model:

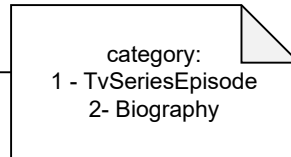| Movie |
|---|
| «get/set» movieId [1] : number(int) {id} |
| «get/set» title [1] : string |
| «get/set» releaseDate [1] : Date |
| «get/set» director [1] : Person |
| «get/set» actors [*] : Person |
| «get/set» category[0..1] : MovieCategoryEL {frozen} |
| «get/set» episodeNo[0..1] : PositiveInteger |
| «get/set» tvSeriesName[0..1] : NonEmptyString |
| «get/set» about [0..1] : Person |
| 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) |
| checkCategory(in type : number) : ConstraintViolation |
| checkEpisodeNo(in n : number) : ConstraintViolation |
| checkTvSeriesName(in name : String) : ConstraintViolation |
| checkAbout(in a : Person) : ConstraintViolation |

«enumeration» MovieCategoryEL
TvSeriesEpisode
Biography

«enumeration» PersonTypeEL
Actor
Director

Person
«get/set» personId [1] : number(int) {id}
«get/set» name [1] : string
«get/set» category[0..1] : PersonTypeEL {frozen}
«get/set» agent [0..1] : Person
checkPersonId(in personId : number(int)) : ConstraintViolation
checkPersonIdAsId(in personId : number(int)) : ConstraintViolation
checkPersonIdAsIdRef(in personId : number(int)) : ConstraintViolation
checkName(in name : string) : ConstraintViolation
checkCategory(in type : number) : ConstraintViolation
checkAgent(in a : Person) : ConstraintViolation

Entity Table

Movie

movieId [1] : PositiveInteger {id}

title [1] : NonEmptyString

releaseDate [1] : Date

director [1] : Person

actors [*] : Person

category[0..1] : number

episodeNo[0..1] : PositiveInteger

tvSeriesName[0..1] : NonEmptyString

about [0..1] : Person

category:
1 - TvSeriesEpisode
2- Biography

Person

personId [1] : PositiveInteger {id}

name [1] : NonEmptyString

category [0..1] : PersonTypeEL {frozen}

agent [0..1] : Person

category:
1 - Actor
2- Director