

- preferences
- Movies (Movie)

- register()
 login()
 updatePreferences()
- viewRecommendations()
 rateMovie()

Director

- directorID
- getMoviesByDirector()

Actor

- actorID
- getMoviesByActor()

Movie

- movieID
- title
- genres (Genre)
- director
- cast
- releaseDate
- ratings (Rating)

- getDetails()
 calcRating()
 addRating()

RecommendationSystem

- recommendationAlgorithm
- + generate

Recommendations(userID)

+ updateAlgorithm (algorithmType)

Rating

- ratingID
- userID
- movieID
- score

- + addRating()+ updateRating()+ getAverageRating (movieID)

Genre

- genreID
- type
- getMoviesByGenre()
 addMovieToGenre()