Movie

-quality: int

-country : string-ageGrade : int

-synopsis: string

+Movie(String title, String
genre, int year, double duration,
double rating, int quality,
String country, int ageGrade,
String synopsis)

+int : getQuality()

+string : getCountry()

+int : getAgeGrade()

+string : getSynopsis()

+void : setQuality(int quality)

+void : setCountry (string country)

+void : setAgeGrade (int ageGrade)

+void : setSynopsis (string synopsis)

+string: toString(Movie movie)

SubClass

TVshow

-title : string

-genre: string

-year : int

-duration : double

-rating : double

+TVshow(String title, String genre, int year, double duration double rating)

+string : getTitle()

+string: getGenre()

+int : getYear()

+double : getDuration()

+double : getRating()

+void : setTitle(string title)

+void : setGenre(string genre)

+void : setYear(int year)

+void: setDuration(double duration)

+void : setRating(double rating)

+string: toString(TVshow tvshow)

SuperClass

NetflixService

-UserList : Arraylist<User>

-TVshowList : Arraylist<TVshow>

-movieList : Arraylist<Movie>

+NetflixService()

+void : addTVshow(TVshow tvshow)

+void : addMovie(Movie movie)

+void : creatAccount(User user)

+Boolean: login(string username, string password)

+void: logout()

+ArrayList : searchByTitle(string title)

+ArrayList: searchByGenre(string genre)

+ArrayList : searchByYear(int year)

+void : viewUsers()

+void : viewTvshows()

+void: viewMovies()

User

-username: string

-password : string

-favoriteList : Arraylist<TVshow>

+User(String username, String password)

+User()

+string: getUsername()

+string : getPassword()

+void: setUsername(string username)

+void : setPassword(string password)

+ArrayList : searchByTitle(string title)

+ArrayList: searchByGenre(string genre)

+ArrayList : searchByYear(int year)

+void : addToFavorites()

+void : viewFavorites()

+ArrayList : getRecommendations(string

showName)