Nouns → class

Movie

Broadcast series / TV Series

Media

Verbs → methods

Read (from keyboard)

Read (from file)

Parse

Ask (user questions)

Sort by

Display (data)

Save

Adjective

natural (ordering)

other (sort option)

mDB

+ MediaList: List<Media>

+ <u>readFile</u>(m: List<Media>): void
+ <u>parseMovie</u>(line: String): Movie
+ <u>parseTV</u>(line: String): Media
+ <u>writeFile</u>(mediaList: List<Media>,
    newFileName: String): void
+ <u>sortList</u>(mediaList: List<Media>): void
+ <u>sortList</u>(mediaList: List<Media>, c: Comparator): void
+ <u>searchList</u>(mediaList: List<Media>, title: String,
    exact: boolean): Media
+ <u>searchList</u>(mediaList: List<Media>, title: String,
    year: Integer, exact: boolean): Media
+ <u>getUserInput</u>(br: BufferedReader, query: String): String
+ <u>menu</u>(mediaList: List<Media>): void
+ <u>main</u>(): void

<<Interface>>
Comparable<Media>

+ compareTo(To): int

<<Interface>>
Comparator<Media>

+ compare(o1: Object, o2: Object): int

Media

- title: String
- year: Integer

+ Media(title: String, year: Integer)
+ getTitle(): String
+ getYear(): Integer
+ toString(): String
+ compareTo(m: Media): int

yearComparator
+ compare(m1: Media, m2: Media): int

EpisodeTV

- episodeTitle: String
- seasonNumber: int
- episodeNumber: int
- episodeReleaseYear: Integer
- suspended: boolean

+ TV(title: String, year: Integer, episodeTitle: String,
    seasonNumber: int, episodeNumber: int,
    episodeReleaseYear: Integer, seriesEndYear:
Integer)
+ getEpisodeTitle(): String
+ getSeasonNumber(): int
+ getEpisodeNumber(): int
+ getEpisodeReleaseYear(): Integer
+ getSuspended(): Boolean
+ toString(): String
+ getMediaType(): String

SeriesTV

- endYear: Integer

+ Movie(title: String, year: Integer, endYear: Integer)
+ getEndYear(): Integer
+ toString(): String
+ getMediaType(): String

Movie

- venue: String

+ Movie(title: String, year: Integer, venue: String)
+ getVenue(): String
+ toString(): String
+ getMediaType(): String