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| **mDB** |
| + MediaList: List<Media> |
| + readFile(m: List<Media>): void  + parseMovie(line: String): Movie  + parseTV(line: String): Media  + writeFile(mediaList: List<Media>,  newFileName: String): void  + sortList(mediaList: List<Media>): void  + sortList(mediaList: List<Media>, c: Comparator): void  + searchList( mediaList: List<Media>, title: String): Media  + searchList( mediaList: List<Media>, title: String,  year: Integer ): List<Media>  + partialSearchList( mediaList: List<Media>, title: String): Media  + partialSearchList( mediaList: List<Media>, title: String, year: Integer): List<Media>  + getUserInput(br: BufferedReader, query: String): String  + menu(mediaList: List<Media>): void  + main(): void |

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| *<<Interface>>*  ***Comparable<Media>*** |
| *+ compareTo(To): int* |

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| ***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 | |

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| **SeriesTV** |
| - endYear: Integer |
| + Movie(title: String, year: Integer, endYear: Integer)  + getEndYear(): Integer  + toString(): String  + getMediaType(): String |

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| *<<Interface>>*  ***Comparator<Media>*** |
| *+ compare(o1: Object, o2: Object): int* |

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

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| **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 |