Milestones CS2334 Project 2 Team 4

1. Use Keyboard information to get input from the user.

We accomplished this in the main method by prompting the user.

1. Use text file I/O to read and write text files.

We accomplished this in the main method by reading from a file specified by the user and then writing to a file if a user wished to save results.

1. Create classes to store data on movies and broadcast series. Note that you should create any additional classes(abstract and/or concrete) and/or interfaces you deem necessary to arrive at a good design.

We accomplished this by creating an abstract class called show. Show has three child classes episode, movie, and series which help store data for the separate objects.

1. Implement both the Comparable and Comparator interfaces to compare one movie or broadcast series to another.

These are implemented inside our show class.

1. Use a List to store, retrieve, and display data related to movies and broadcast series as described below.

We use a list to store, retrieve, and display data related to movies and broadcast series in our MovieDatabase class for objects of type show, in our movie class for extra info, and in our TV Series class for episodes.

1. Use the sort() and binarySearch() methods from the Collections class to sort and search for data related to movies and broadcast series as described below.

Sort() is used in our movieDatabase class. We use binarySearch() in the searchFiles method in our movieDatabase class.