COMP303 A5

1. I used observer design pattern. The WatchList calss works as an observer. It has a field lastWatched storing the last watched object. The watchable class has an arraylist storing all the watchlists that contain this wactchable object. When the watch() is called, it notifies all the watchlists to update the field lastWathed.

2. I made Watchable a class. It has two subclasses, TVShow and Sequenceable, and Sequencable has Movie and Episode as subclasses. Watchable has three constructors for three types of watchable objects.

3. I used command design pattern for this part. The interface Command has two methods execute() and undo(). WatchList has a list storing all the executed commands and a list storing all the undone commands. When a method that changes state is called, watchlist create a command object and add it to aCommands list.