**REQUIREMENT DOCUMENT- MOVIE REVIEW**

**Requirement:**

* Create a **Movie Review App** which displays movies in command-line according to different options entered by user.
* The App makes us easier to find movies using various choice feasible to the user.

**Features:**

* The different options include displaying movies in command-line using Genre, Actor, Title, Year, Rating.
* The Genre includes sub-options like Action, Drama, Comedy, Action, Sci-fi where user can select an option and know the information based on the same.
* It’s a user-friendly app which gives information just by entering the options as needed.

**Implementation Plan:**

**Data Package:**

**MovieDataSource File:**

* The App uses the main MovieDataSource file where all the information about the movie like Genre, Actor, Title, Rating, Year is stored.
* It also contains methods which stores data in Lists, Maps.

**enum Genre:**

* The enum Genre is used to define set of constants of Genre like: Sci-fi, Horror, Action, Drama, Comedy.
* It defines methods for selecting Genre by option or description.

**Movie class:**

* Movie class defines the main menus like, Title, Genre, Actor, Rating, Year with getters and setters defined.

**Menu Package:**

**MenuAction:**

* This class contains the abstract methods defined like displayOptions(), getNextMenuAction(), executeOption which can be used in other classes for displaying options, going to next menu, executing the current option.
* It also contains pressAnyKeyToContinue() method so that the flow of program does not stop.

**ActorMenuAction:**

* This class extends MenuAction class and uses the abstract methods defined in that class.
* The methods displayOptions and exceuteOption is used to display the actor’s list.
* After user selects the actor, it displays all the movie information about the actor.

**GenreMenuAction:**

* This class extends MenuAction class and uses the abstract methods defined in that class.
* The methods displayOptions and exceuteOption which is used to display the Genre list.
* After user selects the genre, it displays all the movie information about that genre.

**MainMenuAction:**

* This class extends MenuAction class and uses the abstract methods defined in that class.
* It creates instances for all of the MenuAction classes e.g, MainMenuAction, GenreMenuAction,
* ExitMenuAction, ActorMenuAction, TitleMenuAction, RatingMenuAction, YearMenuAction
* The methods displayOptions and exceuteOption is used to display the main menu list.

**RatingMenuAction:**

* This class extends MenuAction class and uses the abstract methods defined in that class.
* The methods displayOptions and exceuteOption which is used to display all the movies more than the rating user gives as input.
* After user selects the rating, it displays all the movie information according to the minimum rating user provides.

**TitleMenuAction:**

* This class extends MenuAction class and uses the abstract methods defined in that class.
* The methods displayOptions and exceuteOption is used to display the movie information according to the title that user selects.

**YearMenuAction:**

* This class extends MenuAction class and uses the abstract methods defined in that class.
* The methods displayOptions and exceuteOption is used to display all the movies from the year which user gives as an input.
* After user selects the year, it displays all the movie information according to the minimum year user provides.

**MovieReviewApp:**

* This is the main method where the methods in MainMenuActions are called to get the valid output.