**REQUIREMENT DOCUMENT- MOVIE REVIEW**

**PURPOSE:**

* **Movie Review App** describes the design choices made in our Java implementation which displays movies in command-line according to choices entered by user.
* This App makes user easier to fetch movies according to his/ her selection criteria.

**FEATURES:**

* The **Movie Review App** is a Java implementation which consists of data source and actions performed based on users choice.
* The app contains main menu options which include displaying movies in command-line by Genre, Actor, Title, Year, Rating.
* The Genre contains submenus like Action, Drama, Comedy, Horror, Sci-fi where user can also select option based on the submenu and know the relative information.
* It’s a user-friendly app which gives required information just by entering the options as needed.

**APPLICATION DESIGN:**

**com.goanna.app.data**

**com.goanna.app.data >> MovieDataSource:**

* **MovieDataSource** is where the movies are configured and stored.
* It acts as a mimics or database where the information is stored.
* It contains the utility methods to retrieve data filtered by Genre, Title, Title, Year, Rating.

**com.goanna.app.data >> enum Genre:**

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

**com.goanna.app.data >> Movie:**

* Movie class defines the variable with getters (which returns the value) and setters (updates the value).

**com.goanna.app.menu:**

**com.goanna.app.menu >> MenuAction:**

* **MenuAction** class **implements** the abstract methods where actions like retrieving details, returning to the next menu are performed.
* It also contains pressAnyKeyToContinue() method so that the flow of program does not stop.

**com.goanna.app.menu >> ActorMenuAction:**

* **ActorMenuAction** class extends MenuAction class and **implements** the abstract methods where actions like retrieving details, returning to next menu are performed.
* The method retrieves information of the movies based on selected actor.

**com.goanna.app.menu >> GenreMenuAction:**

* **GenreMenuAction** class extends MenuAction class and **implements** the abstract methods where actions like retrieving details, returning to the next menu are performed.
* The methods retrieve information of the movies based on selected Genre.

**com.goanna.app.menu >> MainMenuAction:**

* **MainMenuAction** class extends MenuAction class and **implements** the abstract methods where actions like retrieving details, returning to the next menu are performed.
* It fetches the information filtered by Genre, Actor, Rating, Title, Year.
* ExitMenuAction is added for the user to exit from the program.

**com.goanna.app.menu >> RatingMenuAction:**

* **RatingMenuAction** class extends MenuAction class and **implements** the abstract methods where actions like retrieving details, returning to the next menu are performed.
* This method retrieves information of the movies based on minimum selected rating.

**com.goanna.app.menu >> TitleMenuAction:**

* **TitleMenuAction** class extends MenuAction class and **implements** the abstract methods where actions like retrieving details, returning to the next menu are performed.
* The methods retrieve information of the movies based on selected Title.

**com.goanna.app.menu >> YearMenuAction:**

* **YearMenuAction** class extends MenuAction class and **implements** the abstract methods where actions like retrieving details, returning to the next menu are performed.
* This method retrieves information of the movies based on minimum selected year and will display all the movies from that year.

**MovieReviewApp:**

* This method performs the action of retrieving data, switches to the next menu and executes the action for next menu option.