

### kequirements:

### Movies (movies.txt):

- 1. Movie Title: the movie title should be in Pascal Case notation.
- 2. Movie Id: it must contain all the capital letters in the title followed by 3 unique numbers.
- 3. Movie title and ID: must be separated by a comma, and it is your responsibility to remove any whitespace (trailing or starting whitespaces).
- 4. Movie genre: the genre of the movie (horror, action, drama, ...etc)
- 5. Movie genre: A movie can have multiple genres, genres are comma separated and come immediately in the line after the movie name and ID

### Users (users.txt):

- 6. User Name: It must be Alphabetic characters and Spaces. the name should not start with space.
- 7. User Id: this field must be Alphanumeric characters of exact length of 9 characters. It should start with numbers and might end with only one alphabetic character. The users' ids must be unique.
- 8.User name and ID must be comma separated and it is your responsibility to remove any whitespace (trailing or starting whitespaces).
- 9. User favorite movies: the line after the user name and user id is the line containing the favorite movies, a user can have multiple favorite movies, which are comma separated.

### Output (recommendations.txt):

- 10. Output is a recommendations.txt file:
- The first line contains the user's name and id separated by a comma
- The second line contains the movies titles recommended for the user separated by a comma

And this repeats for every single user in the users.txt file

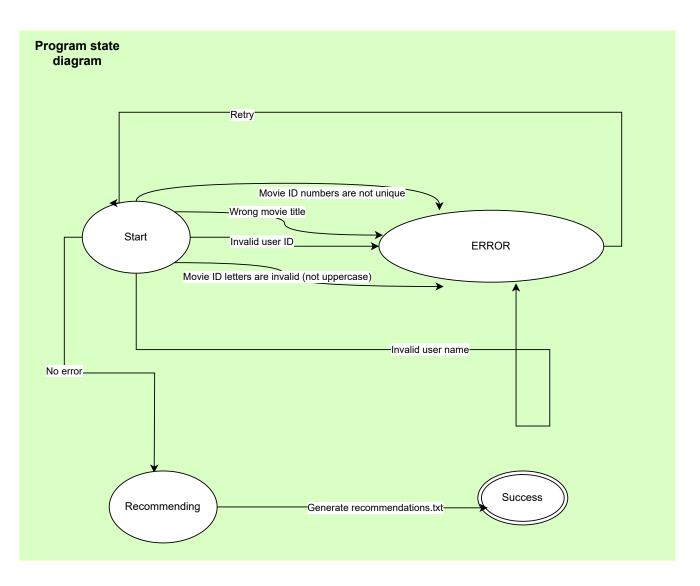
11. "Recommendation system" works as follows: for each movie a user likes of genre X, you recommend ALL movies in movies.txt file of the same genre X.

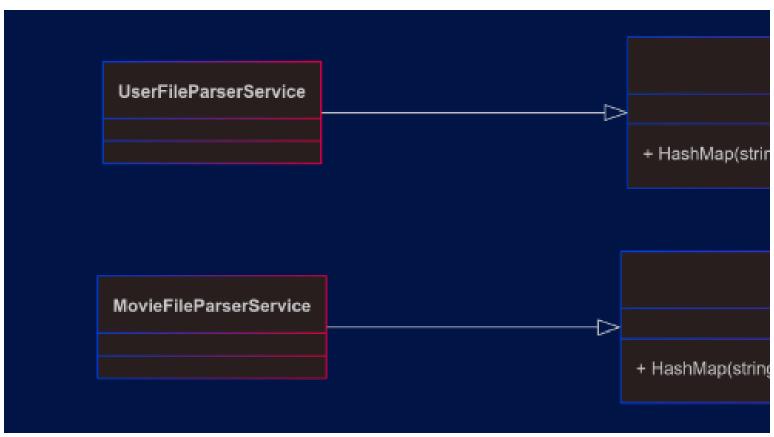
## Error Messages:

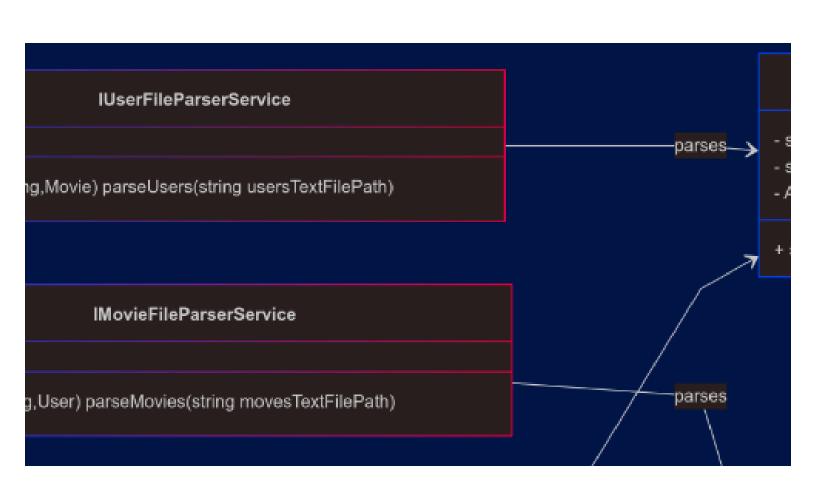
In case of any error in the inputs file, the output file should contain the error message

Error	Error Message
Error in movie title	ERROR: Movie Title {movie_title} is
	wrong
Error in movie id letters	ERROR: Movie Id letters (movie_id) are
	wrong
Error in movie id unique numbers	ERROR: Movie Id numbers {movie_id}
	aren't unique
Error in user name	ERROR: User Name {user_name} is
	wrong
Error in user id	ERROR: User Id {user_id} is wrong

In case of multiple errors in the files: only output the first error encountered in the output file  ${\sf file}$ 





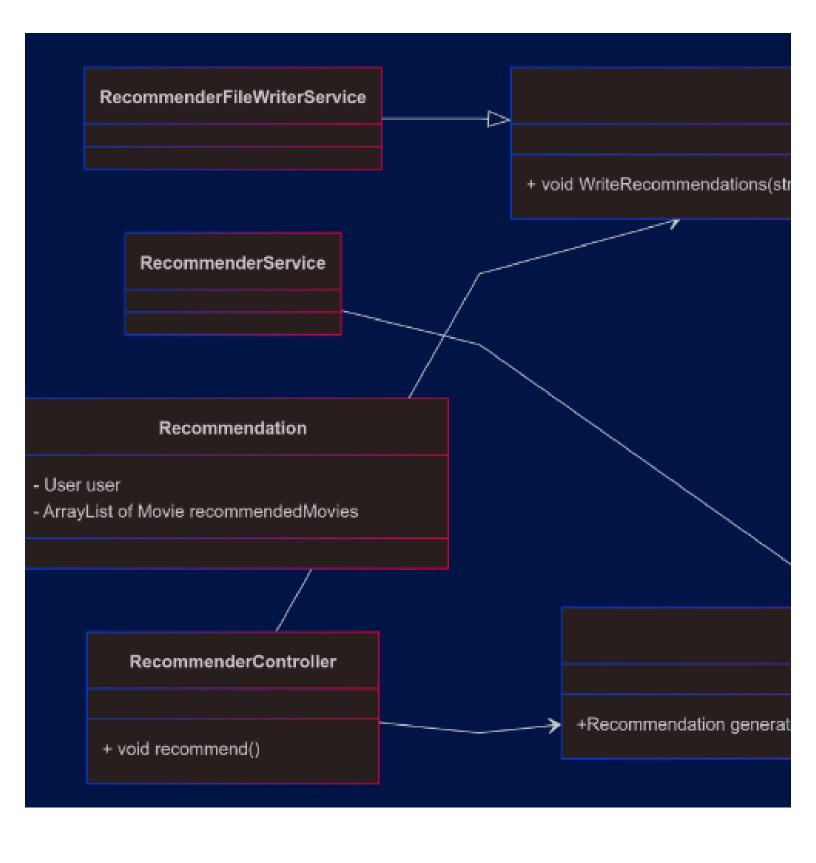


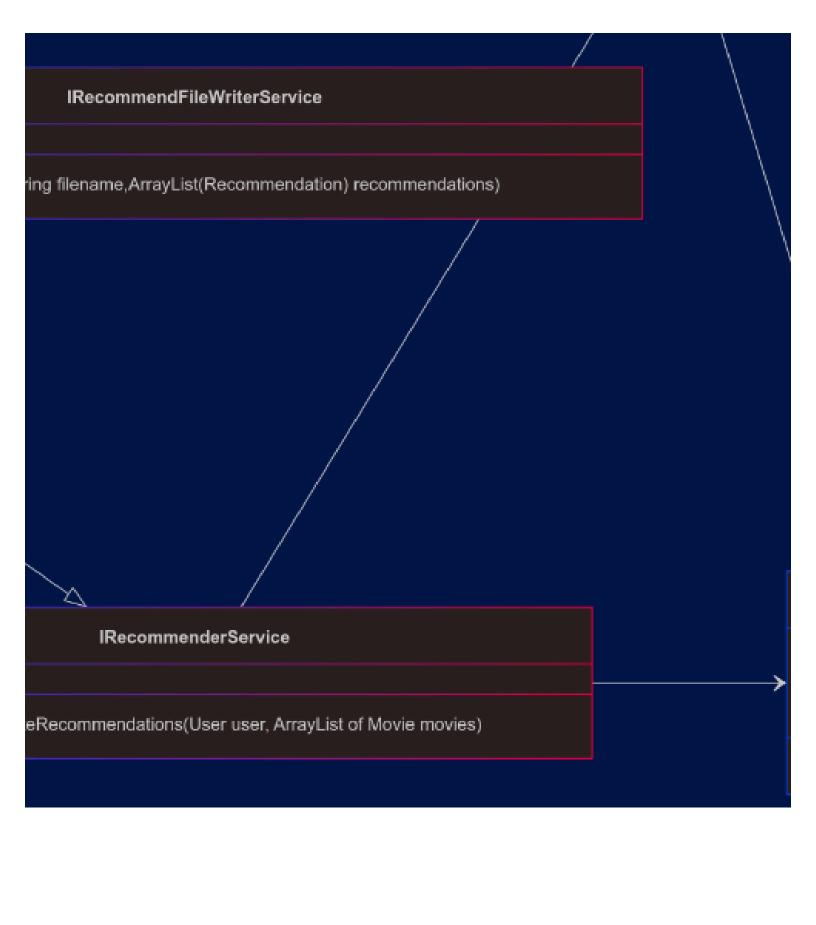
# User

string userID string username ArrayList of Movie favoriteMovies

string toString()







# Movie - string movieName - string movieID - ArrayList of String genres + string toString()