

Project Name: Recommendation System

Team# 9

Test Stage: System

Test Date: 02/12/2025

Test Case ID#: FR-RE-T3

Name(s) of Testers: Marko

Test Description:

Testing the recommendation feature. Testing if recommendations are popular movies (highest avg_rating * num_ratings) given user has reviewed no movies.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Test resides in recommendationTest.java file under the testing directory in milestone2. loadMovies(), makeReviews(), ratingsFileExists(), readRatingsFile(), getMovie(), recommendMovies() are being used.

Automated: no

Results: Pass

Preconditions for Test: No ratings file

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1	Call FileHandler.ratingsFileExists()	None	my_ratings.txt is created with only the header included.	my_ratings.txt is created with only the header included.	Make sure there is no my_ratings.txt file in the milestone2/data directory
2	Initialize User object	Reviews and moviesInReviews list	User object with empty reviews and reviewedMovies instance variables.	User object with empty reviews and reviewedMovies instance variables	

3	Initialize RecommendationEngine object	User object	Recommendation Engine object with user instance variable.	Recommendation Engine object with user instance variable.	
4	Call recommendMovies()	my_ratings.txt, reviewedMovies arraylist	Prints the five movies with the highest avg_rating * num_rating: “Avengers: Endgame”, “The Dark Knight”, “Avengers Infinity War”, “Inception” and “Interstellar” .	Prints “Avengers: Endgame”, “The Dark Knight”, “Avengers Infinity War”, “Inception” and “Interstellar”.	

Post condition(s) for Test:

my_ratings.txt contains no ratings and is formatted correctly. No reviewed movies are stored in the reviewedMovies arraylist in User. Recommendations are printed to console.