Project Name: Recommendation System   **Team# 9**

Test Stage: System   **Test Date: 02/12/2025**

Test Case ID#: FR-RE-T2   **Name(s) of Testers: Marko**

Test Description:
Testing the recommendation feature. Testing if recommendations are mostly romance movies given user has reviewed a lot of romance movies highly.

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(), add(), makeReviews(), ratingsFileExists(),readRatingsFile(),getMovie(),recommendMovies() are being used.

Automated: no

Results: Pass

Preconditions for Test: Empty ratings file, Ratings file is formatted correctly

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1	Add reviews	List of romance movies: "Forrest Gump", "Good Will Hunting", "Amélie", "Vertigo", and "Groundhog Day"	All five movies are in my_ratings.txt and have a 5 star rating	All five movies were in my_ratings.txt and had a 5 star rating	Make sure your my_review.txt is empty of reviews before running test.
2	Initialize User object	Reviews list containing 5 different reviewed romance movies and	User object with reviews list containing the 5 reviewed movies and the	User object with reviews list containing the 5 reviewed movies and the	

		moviesInReviews list containing 5 different romance movies	reviewedMovies list containing the 5 movies.	reviewedMovies list containing the 5 movies.	
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	Mostly romance movies are printed to the console	Four movies with romance genre and one other movie are printed to the console: "The Secret in Their Eyes", "Eternal Sunshine of the Spotless Mind", "Casablanca", "Singin' in the Rain", "Avengers: Endgame"	All the recommended movies do not include romance because they also include other similar genres. Also note that the other genres may contain movies with higher avg_rating and num_ratings.

Post condition(s) for Test:

my_ratings.txt has the new ratings. Reviewed movies are stored in the reviewedMovies arraylist in User. Recommendations are printed to console.