**Test Approach**

**Functional Testing:**

* Verify the app renders correctly in latest Chrome browser on Windows, MacOS, Android, and iOS (Selenium Webdriver or Appnium)
* Verify a registered user is able to enter new movies into the collection.
* Verify user is able to search existing movies by these fields: Genre, Actors, Title, Year, Rating
* Verify user is able to see a list of all movies in user's collection.
* Verify user is able to delete a movie.
* Verify user is able to update a movie.
* Verify user is able to record the following info about any given movie: Genre, Actors, Title, Year, Rating

**Database Testing:**

Verify data integrity when the same movie is posted more than once (there should not be duplicate records).

**Performance Testing:**

* Measure the performance of register, login, movies, and users API routes.
* Verify performance expectations are met (from Product Owner) when X number of users access the app/server (jMeter Script)

**Security Testing:**

* Verify that user tokens are different for different users.
* Verify that user tokens are different for each request.
* Verify that a user cannot modify another user’s movie.
* Verify that a user cannot delete another user’s movie.

**Risks and Assumptions:**

* Current user story does not document behavior of user registration/logon messages.
* Current user story does not document performance requirements.
* Current user story does not document security requirements.