

MOVIE RENTAL SERVICE

Application under test (AUT) is a movie rental portal for facilitating the end user to rent out movies as per choice, view details of different movies and add rating/reviews respectively.

There are two user types in which the application can be accessed i.e. as a logged in user or as an admin user. Also, limited functionality of the application would be available if the application is available without logging in i.e. neither as an admin or a logged-in user.

When the user in a state where he/she has not logged in to the application, below functionalities would be available for the user:

- Access the list of movies available
- Search for the available movies
- Ability to login to the application
- View details of the movies available

As a logged in user below functionalities of the application can be accessed, below functionalities would be available for the user:

- Access your profile with information about the movies rented by you till date
- Rent a new movie, if available
- Cancel reservation for a new movie
- Add or edit his/her reviews about a movie
- Cancel reservation for a movie
- Ability to logout from the application

As an admin user below functionalities of the application would be accessible, below functionalities would be available for the user:

- Adding a new movie for renting by other users
- Make movies unavailable for rent
- Edit a movie detail
- Validate that a movie has been returned
- Ability to logout from the application

Below credentials can be user for accessing the application in different user roles:

Credentials for a logged in user	user/password
Credentials for an admin user	admin/password

PROBLEM STATEMENT

First release:

Automate the following tests:

1. UI: Adding a new movie
 1. Log in as an admin
 2. Add a new movie
 - <add some nice movie data here>
2. UI: Data Driven Login test
 1. Login as a user given by a data table
 - <provide test data here>
 2. Check whether the login result (successful login or not) matches with an expected result from the data table
3. UI: Two parallel browser sessions
 1. Log into one browser as a user
 2. View the current list of movies
 3. Open a second browser, keeping the first one open
 4. Log in as an admin
 5. Add a movie in that browser
 6. Log out as admin
 7. Switch back to the first browser
 8. Check if the movie is visible to the user
4. API (+ UI optional): Data Driven movie creation via API
 1. Create the following movies via the API:
 - <add movie data table>
 2. Validate that they can be viewed by a regular user
 - You can do this either using the API, or the UI

Automation Strategy

Create a short PowerPoint deck of the test automation strategy you would propose for this project (refer application requirement document) (3-5 slides).

Include your approach on the following items:

- Technology stack & interfaces to test (e.g. API, UI, mobile, etc.)
- Test Automation infrastructure and environments (e.g. servers, test environments, configurations)
- Automation process and reporting (e.g. roles, KPIs, stakeholders)

Also push this file to the git repository and create a pull request to your Autothon repo.