Technical Interview

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I created the required automated tests for the application <https://betterqa.ro/top-movies/> using Java, Selenium, JUnit and Serenity BDD testing frameworks. The tests are organised in Java Class called "TechnicalInterviewTest" by priority and are named by labels accordingly to the features tested. I found a bug during the testing, and I recreated it by running the last automated test called "doSearchClickingOnSearchIcon". The bug refers to the fact that the search button on the application's homepage isn't active, and if it is pushed, the system doesn't answer the search command.

Regarding improvements, I would ask the developer to put many pages or features in the application to interact with. Much more features in the application would make it more suitable for automated testing. For example, I consider it could be helpful to sort the movies by Released On, Popularity, Vote Score or Vote Count. Having the option to create personalised lists of movies by specific criteria would be an improvement too. Also, the list of movies isn't completely displayed. Many other films aren't visible without searching them by name, but they are active elements in the web application. The user can't navigate to others pages that are not currently displayed.

The existing features in the web application are limited. Some of them are most suitable to be tested manually, like data that should be verified with human intervention, such as fields that include descriptions, pictures and factual information about movies. This type of data can be subject to updates or changes, so the scripts for automated tests should be written again with every update. In my opinion, the application in the current stage is most suitable for manual tests due to its simplicity. For now, maybe it is most economical to apply manual testing. Suppose the developer improves the application with many other interacting elements and “call to action” features, such as the possibility to create an account, purchase and watch movies or vote for the preferred movies, then the application will be much more suitable for automated tests.