Must Read: 10 mins

- **Make a new public repository on either Github or Gitlab, push the entire code there under the "master" branch, and share the link to it at the end of the test.**
- Checkout a feature branch "qa_automation" from "master" after the initial setup and merge back the code to master branch three times i.e. after Steps 9, 14 and 21.
- Make sure that the folder and directory structure is up to the coding standards.
- Write modular and clean code without redundancy.
- Code should be properly formatted and add comments to make your code readable
- Manage code dependencies smartly e.g. integrate Maven if code is written in Java
- Make the excel file (provided to you) part of the code
- Smartly break the overall assignment into small test cases and use TestNG XML file to run all the test cases sequentially. Make sure that Part II should only be executed once Part I assertions are met. Else it should be reported back that the backend is not ready yet.
- Use the Page Object Model and make reliable and safe locators for all the Web Elements. Avoid fully static locators.
- Input needs to be picked up from the excel file provided, wherever in the assignment excel sheet cell numbers are mentioned i.e. "B1" to "B10" of sheet "Input" & "A7", "B7" of sheet "Series Cast"
- A screencast/video of Part II of the assignment being done manually would also be given to you for guidance purposes.
- BEST OF LUCK!

In case you want to attempt this assignment in some other framework like Cypress and Protractor, feel free to do that. Just follow the instructions and use relevant alternatives.

Your code is expected to perform the following tasks

Setup a Maven project with all the necessary dependencies like Selenium, TestNG, Rest Assured, etc.

In case of Non-Java code follow the best practices that are a norm in that specific framework or language.

Flow: 240 mins

1. Check the internet connectivity of the device.
   If there is none, then the system should not execute the rest of the test cases and report back that internet connectivity is compromised and hence further execution has been stopped.
2. Open Google Chrome
3. Go to "https://www.google.com"
   Read this value from the cell "B1" of "Input" sheet of the provided excel file.
4. Search "After Life".
   Read this value from cell "B2" of "Input" sheet of the provided excel file.
5. Find the link in the search results with the title "After Life (TV Series 2019–) - IMDb".
   Read the value from cell "B3" of "Input" sheet of the provided excel file.
6. Right click on it and click on "Open link in new tab".
7. Go to the newly opened tab.
8. Scroll down and find the link with the text "See full cast". Click on it.
   Complete Series Cast would be displayed.
9. Pick the following details of all 49 cast members
a. Name
b. Screen Name
c. Appearances
10. Save this information in the "Series Cast" sheet of the provided excel file.
    See the "Example Series Cast" sheet for the format in which this information needs to be saved.
11. Next step is to perform a backend feasibility test to check whether the APIs of the system to be tested are ready or not. Write test cases using Rest-Assured that verifies the necessary prerequisites before executing the next steps.
    See sheet "Rest Assured" of the provided excel file to find out the APIs and assertions that should be met in order to move to the next steps.
12. Open a new tab in the browser and go to "https://emumba-test.herokuapp.com/"
13. Click on the "Login" button in the top right corner
14. Click on the link with the text "Not a user yet?"
15. Fill the Sign-up form with the following information
a. First Name: "Name" of the 5th cast member picked up from the sheet "Series Cast"
b. Last Name: "Screen Name" of the 5th cast member picked up from the sheet "Series Cast"

c.   Email: Read this value from the cell "B4" of "Input" sheet of the provided excel file.

d.   Password: Read this value from the cell "B5" of "Input" sheet of the provided excel file.

e.   Confirm Password: Use the same value used in the Password field

16.   Click on "SIGN UP" button

17.   Enter "Email" and "Password" in the displayed "Savers / Sign In" form and click on "SIGN IN" button

18.   Click on the "Post Flyer" button in the top navigation bar.

19.   Fill the form in the following manner and click on the "POST" button

.   On the right side of the form, there is a box containing certain details for Posting the flyer

a.   Pick the title "Posting a flyer" and write this value as "Title" field

b.   Pick the five sentences present underneath and enter it line by line in the "Details" box of the form

c.   Enter the phone number and address.

              Read these values from cells "B6" and "B7" respectively of the "Input" sheet of the provided excel file.

       e. Enter three tags. Try to add tags manually first to understand how tags are entered one after the other.

            Read the tag values from cells "B8", "B9" and "B10" of the "Input" sheet of the provided excel file.

20.   Click on the "Home" button on the top navigation bar.

21.   With the newly created flyer in the viewing window, take a screenshot of the screen and save it with the name of the flyer title.

22.   Click on the "Logout" button and close all opened tabs.

23.   Safely close the Chrome browser window.