Questions

Tuesday, October 6, 2020 10:56 AM

Create a mailer application that satisfies following conditions:

1. Create a Java AND a Python project. Either way, it should be a Selenium based project.
    a. When you select Java as your base, then it should be a maven/gradle project. You may include Spring Boot features. You may make it a multi-threaded application.
    b. When you select Python as your base, then it should be an Anaconda project. You may use PyPi or any other generally available plugin. Make sure to provide setup instructions with your application.
    c. There must be no hardcoded values. All inputs must be read from files given in the "Q1 Attachments" section or "Attachments" tab in the left. If you want to set any values (for example, the path to the chromedriver) then it must be done using properties file.
    d. Your program must be OS independent. Any adjustments required has to be mentioned in a README.MD file (for example, if we need to manually download chromedriver for our chrome browser, then that should be mentioned with proper official links).
2. Create a git repository. Setup a free account in GitHub/Bit Bucket/GitLab/any publicly hosted platform and connect the repository.
3. Download following files from "Attachments" tab in the left (below "Questions" tab) sender.txt, mailBody.txt, attachment.txt and receiver.txt. (If you have problems downloading the files, then you may copy the contents of the files provided in "Q1 Attachments" section in the left and create new files respectively in your local environment). Then create an Automation platform that performs the following actions for each of the given IDs in sender.txt.
    a. Login using the ID and Password combination mentioned in sender.txt.
        i. Compose a new mail.
            A. In subject line, write the sender number, your name in all caps and receiver number. For example, for the first sender sending a mail to fifth recipient write “1 JOHN DOE 5”
            B. Add the text provided in mailBody.txt
            C. Open attachment.txt. Replace the text in the file with the same text as subject line. For example, “1 JOHN DOE 5”. Then attach the file in the mail.
            D. Send the mail.
        ii. Repeat the action for all 5 items of receiver.txt
    b. Repeat the action for all 5 items of sender.txt. So, in total 25 mails would be sent by that application for each complete run.
4. Create a log file of actions using TestNG or Spring Assertions (OR in case you are using Python, then directly use the assert keyword).
5. Create test reports using Extent Reports (OR in case you are using Python, then create test reports using Allure2).
6. Create a small documentation.
7. Create executable JAR (OR in case you are using Python, then create an EXE).
8. Share the Github repo url that can be cloned and evaluated.
9. The program should run in our environment without any issues. In case any adjustments are required, those must be preconfigured in the build script or mentioned in README.MD file.