



Good afternoon,

As part of your interview process for the position of Test Automation Engineer at KBC Ireland, we would like to ask you to complete the technical assessment below.

#### Guidelines:

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##### Completed work

- Please zip the files with source code and send it back to – [ade.onafuwa@kbc.ie](mailto:ade.onafuwa@kbc.ie)

##### Completion dates

- We would like to receive your completed test back within 1-week date from the date of sending.
- However, if you have completed it before this time, feel free to send back to us.
- If you require an extension, please advise Ade or Dusan.

##### Questions/ Queries

- Questions or queries on the assessment can be directed to [dusan.zoric@kbc.ie](mailto:dusan.zoric@kbc.ie)

#### This assessment has two parts A & B

**A. Please create automated tests in TestNG Java (or Groovy) and Selenium 3 (WebDriver) with scenario given below. Test should be good for future maintenance (UI may be slightly changed) and runnable in Chrome and Firefox.**

1. Go to site <http://www.expedia.com>
2. Select "Flights"
3. Type London in "Fly from: city or airport"
4. Select Heathrow in popup
5. Type Dublin in "Flying to: city or airport"
6. Select "Dublin Airport (DUB), Ireland" in popup
7. Select Departing: 01/03/2019
8. Select Departing: 07/03/2019
9. Select 2 adults
10. Click Search Button
11. Wait for all flights to be loaded. Find first row excluding the promotional row for "Flight + Hotel"
12. Assert Positive scenario that the price in first row is \$123.45 (*or any other price at your time*)
13. Assert Negative scenario that the price in first row is not \$22.33
14. Assert the visible left panel list of "Airlines included" below the list of "Stops"
15. Scroll to the bottom of the page and assert the visibility of text "© 2018 Expedia, Inc. All rights reserved."

**Note:** the assertion in point 12. and 13. is against the first available “Flight” price only, and not the first row that could contain “Flight + Hotel”, which does not contain a price on this webpage.

**B. Develop a small application, preferably in Java or Groovy that communicates with Github API and does the following:**

1. It's taking input through the command line CLI (1<sup>st</sup> param = Search string, 2<sup>nd</sup> param = release tag)
2. Search Github for repositories that match the given search string “TestNG”
3. Sort the results by the number of stars in a descending order and print the top result name and stars
4. For the top result repository read the latest release tag and verify if the 2<sup>nd</sup> param given by CLI refer to an older or newer release tag (e.g. 6.13.1) and print it in a message
5. Add tests for your project to provide good code coverage

Thank you for taking the time to complete this assessment. We really appreciate all your efforts and your continued interest in joining our Test Automation Team.

We wish you every success with your application and in the assessment.

Best regards,

**Test Automation and Recruitment Teams – Innovation Delivery**

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