

## Test assignment

To fulfill the test task - it is enough to complete the tasks of the basic level. Completion of the next level tasks will be a plus.

Upload the results to github.

Prepare a demonstration of the first and second part of the task for the interview.

Deadline for test assignment submission - 1 week.

### Part 1 - Tests

Toolkit tips: appium, appium inspector, bash/sh, adb, python

#### Basic level:

Write UI tests for android application "Calculator". 2 positive and 2 negative tests are enough. You can use any OOP language for implementation.

The description of test cases should be formalized in readme.md file.

Run tests via command line. (sh/bash script)

Requirements to the script to run tests:

- the script allows you to print out the names of all tests
- it allows to specify the name of the test(s) to be run
- it allows to specify the android device on which the tests will be run.

#### Next level:

In addition to the basic level - for report use allure. For negative tests use adb commands for input/click methods. Enter the results of running the tests into the search bar of android browser and take a screenshot.

The format of the string for test execution results is: {passed: N, failed: K, total: M}

### Part 2 - CICD

#### Basic level:

Create a jenkins job to run scheduled tests. Save the test execution logs to a file and add them to the jenkins job artifacts.

Schedule to run the jenkins job: weekdays at 15:45.

#### Next level:

In addition to the basic level - describe the job configuration in groovy pipeline script.

Bring common pipeline methods into vars.

Add test execution screenshots to jenkins job artifacts.