# Automated tests in JavaScript using Selenium WebDriver 4

## Set up

1. Installing Node.js & NPM: https://nodejs.org/en/

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1. Installing Selenium WebDriver: <https://www.npmjs.com/package/selenium-webdriver>

Graphical user interface, text, application

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1. Setting up drivers (geckodriver; chromedriver)

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1. Adding new path to the driver and browsers

Graphical user interface, text, application

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1. Installing IDE: https://code.visualstudio.com/

## Project

Dependencies:

assertion library - <https://www.chaijs.com/>

JavaScript test framework running on [Node.js](https://nodejs.org/) - <https://mochajs.org/>

reporter for use with the Javascript testing framework, mocha -https://www.npmjs.com/package/mochawesome

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## Main Test [testIf\headingQACheck.js]

My main test can be found at testIf\headingQACheck.js. It was written for the Firefox browser.

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To run the test, I used the command ***npm test testIf\headingQACheck.js***.

A screenshot of a computer

Description automatically generated with medium confidence

The result in the Terminal:

*Navigate to QA vacancy and check the correctness of the job title for QA*

*1) Make sure the title matches the given expectations*

*0 passing (27s)*

*1 failing*

*1) Navigate to QA vacancy and check the correctness of the job title for QA*

*Make sure the title matches the given expectations:*

*Error: AssertionError: expected 'QA / Test Automation Specialist' to equal 'Quality Assurance/Test Automation Specialist'. Result: (+) Expected: Quality Assurance/Test Automation Specialist // (-) Actual: QA / Test Automation Specialist ¯\_(ツ)\_/¯*

*at Context.<anonymous> (testIf\headingQACheck.js:118:23)*

*at processTicksAndRejections (node:internal/process/task\_queues:96:5)*

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Test report (mochawesome reporter):

Graphical user interface, text, application, Word

Description automatically generated

testResults.html:

Graphical user interface, text, application, email

Description automatically generated

Screenshots:

Graphical user interface, text, application

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## Second Test [testIf\headingQACheck\_assert\_error.js]

This is a slightly loose interpretation of the end of the test with an assertion error, where the error is not held. Just to see the difference in the visualization of the reporter.

Graphical user interface, text, application, chat or text message, website

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The result in the Terminal:

Text

Description automatically generated

Test report (mochawesome reporter):

Graphical user interface, text, application, email

Description automatically generated

## Test via Lambda Test [testIf\headingQACheckLambda.js]

https://www.lambdatest.com/

This was an attempt to utilize some features of the lambda test platform to run tests across multiple browsers and versions in the cloud.

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A screenshot of a computer

Description automatically generated with medium confidence

The result in the Terminal:

Text

Description automatically generated

Text

Description automatically generated

The test running result presented in the platform: <https://accounts.lambdatest.com/dashboard>

Graphical user interface, text, application, email

Description automatically generated

Detailed logging, videos, and screenshots of the entire process.

A screenshot of a computer

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Graphical user interface, application

Description automatically generated