

Lab 6b –Selenium

In this lab you will learn to do less yourself ...

You will write tests for the website you are making, to automate the testing. To do this, you will use Selenium web driver, one of the most commonly used tools to write browser tests.

Assignment: write automated tests for your project

Add the correct dependencies for Selenium, bonigarcia, Junit (and jstl if still needed). Run the project.

```
<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
<dependency>
  <groupId>org.seleniumhq.selenium</groupId>
  <artifactId>selenium-java</artifactId>
  <version>3.141.59</version>
</dependency>

<!-- https://mvnrepository.com/artifact/junit/junit -->
<dependency>
  <groupId>junit</groupId>
  <artifactId>junit</artifactId>
  <version>4.13.1</version>
  <scope>test</scope>
</dependency>

<!-- https://mvnrepository.com/artifact/javax.servlet/jstl -->
<dependency>
  <groupId>javax.servlet</groupId>
  <artifactId>jstl</artifactId>
  <version>1.2</version>
</dependency>

<!-- https://mvnrepository.com/artifact/io.github.bonigarcia/webdrivermanager -->
<dependency>
  <groupId>io.github.bonigarcia</groupId>
  <artifactId>webdrivermanager</artifactId>
  <version>5.0.0</version>
</dependency>
```

Write a selenium test for your project, to test the add (voegtoe) functionality:

- Create a new *folder* `test` and mark this directory as a Test Sources Root (should already be done by IntelliJ)
- In this folder, create a package `ui.view`
- In this package, create a new Java Class `addTest.java`
 - Use Junit 4. You can add it manually to the module dependencies (or libraries), or follow the suggestion of IntelliJ while creating your first test method.
 - When you add a hook (e.g. `@Before`, `@After`) or annotation (e.g. `@Test`): choose the suggestion from Junit ("org.junit").

- Implement following methods:
 - A setUp method where you
 - setup the chromedriver
 - make a new chromedriver
 - navigate to the correct URL
 - A clean method where you close the browser
 - A method to test
 - If you get a correct “delete” confirmation
 - The deleted item is successfully removed from the overview table (after the confirmation)
 - If you can navigate to the “Search”-form (by checking the title of the page)
 - If you get the correct page and message when a search was successful
 - If you get the correct page and message when a search was NOT successful
- Run your test class until all tests are passed.