Workshop: Selenium Exercises

Procedure

This workshop is subdivided into several parts, which give the participants an understanding of Selenium. Afterwards, the attendees will have to solve some exercises on the computer - ideally in groups.

Prerequsites

1) Current JDK 11, ideally also JDK 17, installed.
2) Current Eclipse installed (alternatively: NetBeans or IntelliJ IDEA)

Participants

- Developers, testers and architects with Java experience who want to deepen their knowledge of Selenium

Course management and contact

Michael Inden
E-Mail: michael_inden@hotmail.com

Other courses (Java, Unit Testing, Design Patterns, Refactorings, ...) are available on request as in-house training.

Selenium

Exercise 1: Locator variants   15 min

Examine the Facebook home page, find the login elements with different locator variants.

Exercise 2: Google search with page / content change   15 min

Write a Google search for "iPhone 12 Pro" and deliver the first 10 hits as a list. Use a wait mechanism for the results page, analyze the necessary list element there.

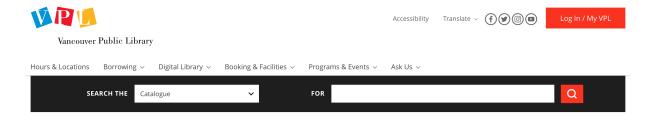## Exercise 3: Selenium as JUnit test   15 min

Redesign task 2 so that this becomes a unit test. Where should the property be set, what about initialization and resource sharing? This time, check the pre-selection list that appears when you enter a text. Search for something like "Java Profi" or "JUnit 5".

Exercise 4: Convert to Page Object Pattern   30 – 45 min

Redesign the access to the Vancouver Public Library in a way that the Page Object Pattern is applied. Search for a term and then check the result page. Model your own classes for this. A search for "Java" or "Python" should return some hits. A search for "Java Profi" however none. Verify this by tests.