|  |
| --- |
| Test ID Nr |
| 20170109-1 |

# Automation Sample Exercise[[1]](#footnote-1)

Write automation tests for „Student Information System for the imaginary University of Knowit“.

Defined requirements:

* Use Selenium Webdriver
* Use Java programming language (at least v7)
* Use Page Objects test design pattern
* Test compatible with one of the browser - IE, Firefox or Chrome
* Running and maintenance effort should be as minimal as possible

You objective is:

* Write 3 functionality tests that you see most important with explanation
* Write 1 negative scenario test

You will be evaluated based on the following criteria:

* Choice of tests
* Logic and semantics of written tests
* Ease of use and running tests
* Included documentation

Choose your tests, present the outcomes and report us, how much time it took. Be prepared to present your work in 10 minutes to the live audience.

Requirements of Student Information System for the imaginary University of Knowit:

* The program must calculate the [weighted average grade](http://en.wikipedia.org/wiki/Weighted_mean)[[2]](#footnote-2) of students
* Data points may contribute equally to the final average
* The student list needs to be sorted by their weighted average grade
* If the weighted average grade is equal on two or more students then they need to be sorted by their names
* The grades need to be read in from an XML file format

1. All the copyright of the code goes to Knowit Estonia OÜ after submitting the code to Knowit e-mail. [↑](#footnote-ref-1)
2. <http://en.wikipedia.org/wiki/Weighted_mean> [↑](#footnote-ref-2)