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A S S I G N M E N T 2

| R E P O R T

V L A D I M I R W O L F G A N G S C H M A D L A K

2117007
Software Metrics | Assignment 2
Yordanka Budinova
Varna University of Management

Summary

For the URL https://en.wikipedia.org/wiki/Software_metric I wrote a script that copies the web-console performance data using Selenium and Python. It cycles 10 times, adds the respective values to a dictionary, and calculates the average duration / performance. Afterwards, the final output is prettified and parsed as "name", "duration" for each URL into a newly generated CSV file. In the end, I imported the CSV file into Excel / Libre Office.

The script has been automated with Jenkins.

- The script's code quality was measured and improved.
- Git PreCommit Hooks were used before uploading to Github.
- The script's output is in CSV and JSON format.

Tools

Black

- Python Code Formatter.

MyPy

- Static Type Checker.

PyCodeStyle

- Style Guide Checker.

Pylint

- Static Code Analyser

Resources

The code can be found here:

<https://github.com/VladimorCodebreaker/3rd-Semester-Software-Metrics/tree/assignment-2>

