VRIJE
UNIVERSITEIT
BRUSSEL

AKKA STREAMS

Assignment 1 - Software Architectures

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Computer Science: AI

Contents

General remarks

1.1 Notes on the assignment

None of the assignments for the Software Architectures course were submitted in the first examination period due to personal reasons. Because of this, all of the code written for this assignment is written specifically for the second examination period. One small *bug* in the code was resolved after email communication with the teaching assistants. This *bug* and its solution will be explained later. All other code was written by using the course material and the online Akka documentation[1].

1.2 Important files

All code written is available on the GitHub repository for this assignment (Bontinck, 2021). Rights to this private GitHub repository can be granted upon request. A copy of this GitHub repository is accompanied by this report. An overview of important files is given below:

- `README.md` and `code/README.md`
  - General information of the GitHub repository with `code/README.md` containing the technical details about the used environment and validated output.
- `assignment.pdf` and `Lennert-Bontinck-SA1.pdf`
  - The assignment PDF and this report.
- `code/Lennert-Bontinck-SA1`
  - The folder containing the code of the assignment solution.
  - `./src/main/resources/`: folder containing the input files. The results files are available under the sub-folder `./result/`.
  - `./src/main/scala/Lennert_Bontinck_SA1/`: folder containing the main Scala files. Multiple files are made for separate objects and classes. All code is well documented and discussed later in this report.

[1] https://akka.io/docs/

Project defence

2.1 TODO

TODO

More figures

Some figures are referred to in the text but not placed directly under the text. These are included in this list. All figures are high resolution thus zooming in the PDF should be viable to get a clearer view.

References

Bontinck, L. (2021). *Assignment 1 of software architecture course* [GitHub commit: TODO]. Retrieved January 14, 2021, from https://github.com/pikawika/VUB-SA-assignment-1

De Smet, R. (2020). *Vub latex huisstijl* [GitHub commit: d91f55799abd390a7dac92492f894b9b5fea2f47]. Retrieved November 2, 2020, from https://gitlab.com/rubdos/texlive-vub