

HPI SWA Bachelorproject 2019 Report

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Abstract

Here goes the abstract

Keywords Visualization, Data Provenance, Live Programming, Web-based Programming Environment

ACM Reference Format:

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1 Help

1.1 Start with a new paper

1. clone this project from github ¹
2. In overleaf: create new project from github ²
3. In lively4: clone repository from github
 - got <https://lively-kernel.org/lively4/lively4-jens/start.html>
 - clone github project with sync tool

1.2 Write text

1.2.1 Overleaf

- PRO: get immediate PDF output while typing...
- some syntax highlighting
- can create final PDF

1.2.2 Lively4

- browse to repository and edit
- PRO: markdown editing support
- can manage files
- can display draw.io figures directly without converting
- can navigate to figures in draw.io (open in iframe)
- CON: cannot create pdf #TODO
- some BibTex support

¹<https://github.com/hpi-swa-lab/markdown-paper-template>

²<https://www.overleaf.com/project/5c52ff77b206d66446c9c729>

1.2.3 Edit text directly on github

- PRO: markdown editing support

1.2.4 Local checkout

1.3 Draw Figures: Draw.io

- save changed figures back to github
- OPTIONAL: export pdf to github, but better use lively4

javascript var a = "hello" This is a reference to a paper [1] and this is a footnote³.

References

- [1] Patrick Rein, Stefan Lehmann, Toni Mattis, and Robert Hirschfeld. 2016. How Live Are Live Programming Systems?: Benchmarking the Response Times of Live Programming Environments. In *Proceedings of the Programming Experience 2016 (PX/16) Workshop (PX/16)*. ACM, New York, NY, USA, 1–8. <https://doi.org/10.1145/2984380.2984381>

³<https://d3js.org/>

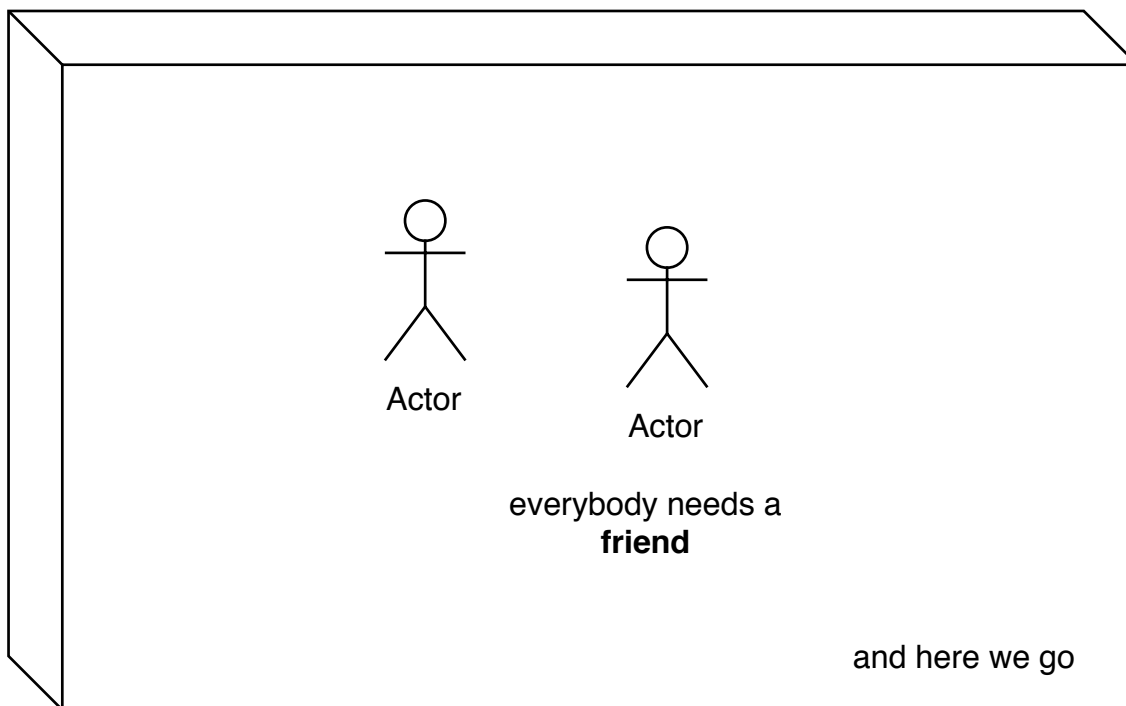


Figure 1. A figure created with drawio.