HPI SWA Bachelorproject 2019 Report

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Abstract

Here goes the abstract

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 coverting
- can navigate to figures in draw.io (open in iframe)
- CON: cannot create pdf #TODO
- some BibTex support
```

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[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 footnote[3].

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
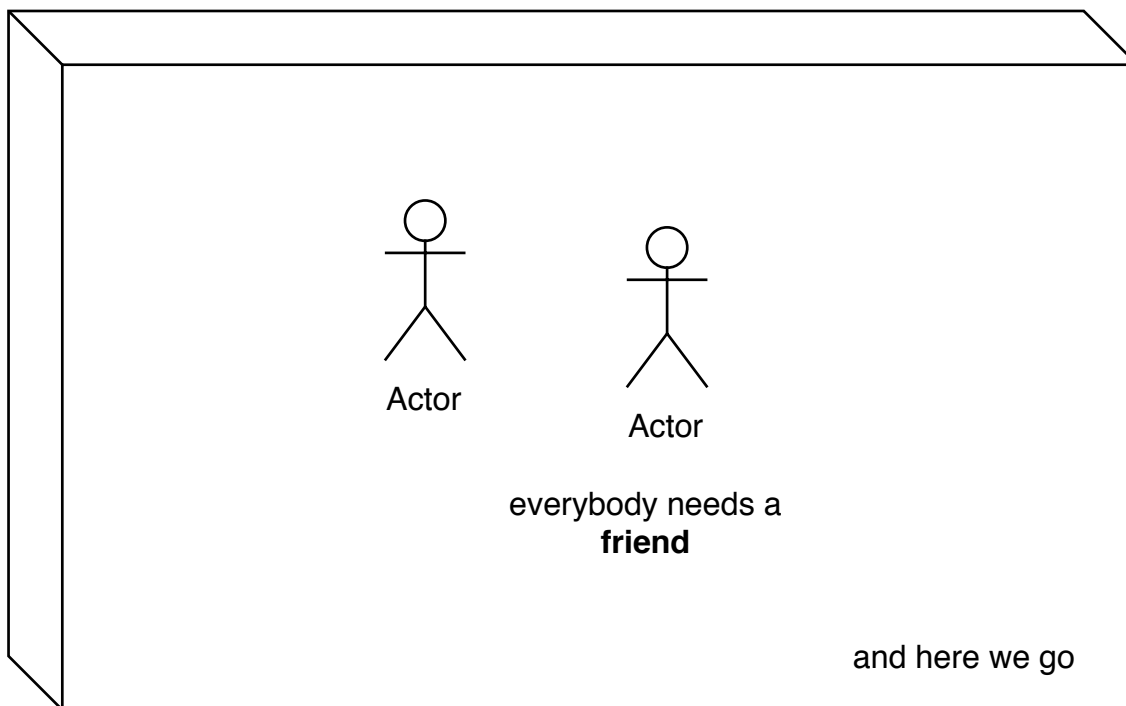
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[3]https://d3js.org/

Figure 1. A figure created with drawio.