

Appendix: Mapping Control and Self-Adaptive System Properties Using Property Specification Patterns

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February 13, 2021

1 Appendix Contents

In this appendix we provide a brief description on the content of our online repository that contains the data used in our paper¹.

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├── Literature_Review_Protocol.pdf
├── Literature_review_data.xlsx
├── External_Validation.pdf
└── Internal_Validation.xlsx
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The followings describe the content of our repository:

- The protocol used in our literature review detailing our research process and describing the extracted data from literature (Literature_Review_Protocol.pdf).
- A list of SEAMS publications between 2016-2020, which was used for the literature review (Literature_review_data.xlsx -> sheet "List of SEAMS publications").
- The extracted data from our literature review (Literature_review_data.xlsx -> sheet "Included papers extracted data").
- The full list of matching the specification patterns into the extracted SE properties in SAS (Literature_review_data.xlsx -> sheet "SE to specification patterns"). This information can also be found under "Category (According to ps paterns)" column in "Included papers extracted data" sheet.
- The validation document that was sent to external researchers to validate our mapping and findings (External_Validation.pdf).
- The validation results of the categorization of SE properties into specification patterns that was conducted by three independent authors (Internal_Validation.xlsx).

¹<https://arxiv.org/xxxx>