Jonathan Seitz

SLR Toolkit
Informal Documentation

Task: Taxonomy Refactoring

Outline

1. What is SLR Toolkit?

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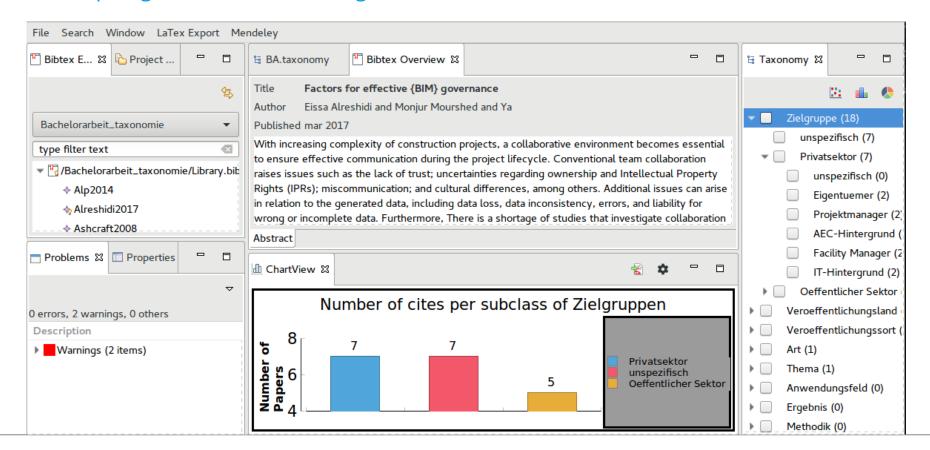# What is SLR Toolkit?

SLR Toolkit - Documentation
Taxonomy Refactoring / Jonathan Seitz
TU Dresden, 27.09.2018

Folie 3

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What is SLR Toolkit?

- SLR Toolkit – A Toolkit for Systematic Literature Reviews (https://github.com/sebastiangoetz/slr-toolkit/)

Task
Taxonomy Refactoring

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Task

General Task is to improve taxonomy refactoring
- Inline text editing
- Taxonomy error detection
- Quickfix

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Solution

Solution – Inline text editing

Solution – Taxonomy error detection

Taxonomy:

```
Persons{
        Female{
                Alice
        },
        Male{
                Bob
        }
}
```

Right Classification:

Persons{Female{Alice}}

Wrong Classification:

Persons{Bob}

Solution – Quickfix (1)

Taxonomy:

```
Persons{
        Female{
                Alice
        },
        Male{
                Bob
        }
}
```

Classification:

Persons{Female{Eve}}

1) Quickfix:
(add to Taxonomy):

```
Persons{
        Female{
                Alice,
                Eve
        },
        Male{
                Bob
        }
}
```

Solution – Quickfix (2)

Taxonomy:

Persons{

       Female{

              Alice

       },

       Male{

              Bob

       }

}

Classification:

Persons{Female{Alice, **Eve**}}

2) Quickfix:
(remove from Classification)

Persons{Female{Alice}}

Solution – Quickfix (3)

Taxonomy:

Persons{
       Female{
              Alice
       },
       Male{
              Bob
       }
}

Classification:

Persons{Alice}

**3) Quickfix:
(correct Classification)**

Persons{**Female{**Alice**}}**

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Hints for beginners
Getting started

Hints for beginners (1)

Important classes:

- de.tudresden.slr.model.taxonomy.ui.views.TaxonomyCheckboxListView
  Cares about all UI-Interaction of Taxonomy

- de.tudresden.slr.utils.quickfix
  Creates and handles the Quickfixes of Taxonomy errors

- de.tudresden.slr.utils.taxonomy.manipulation
  Add, change and remove Terms of Taxonomy

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Hints for beginners (2)

Helpful methods:

- ModelRegistryPlugin.getModelRegistry().getActiveTaxonomy().get().getDimensions()
  Returns Taxonomy

- SearchUtils.findDocumentWithTerm(term)
  Returns Map of Documents

- Utils.mark(document, message, path, path2, sourceId)
  Creates a warning marker in problem view

Contact

Feel free to contact me if there are any questions: Jonathan.Seitz1@tu-dresden.de

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