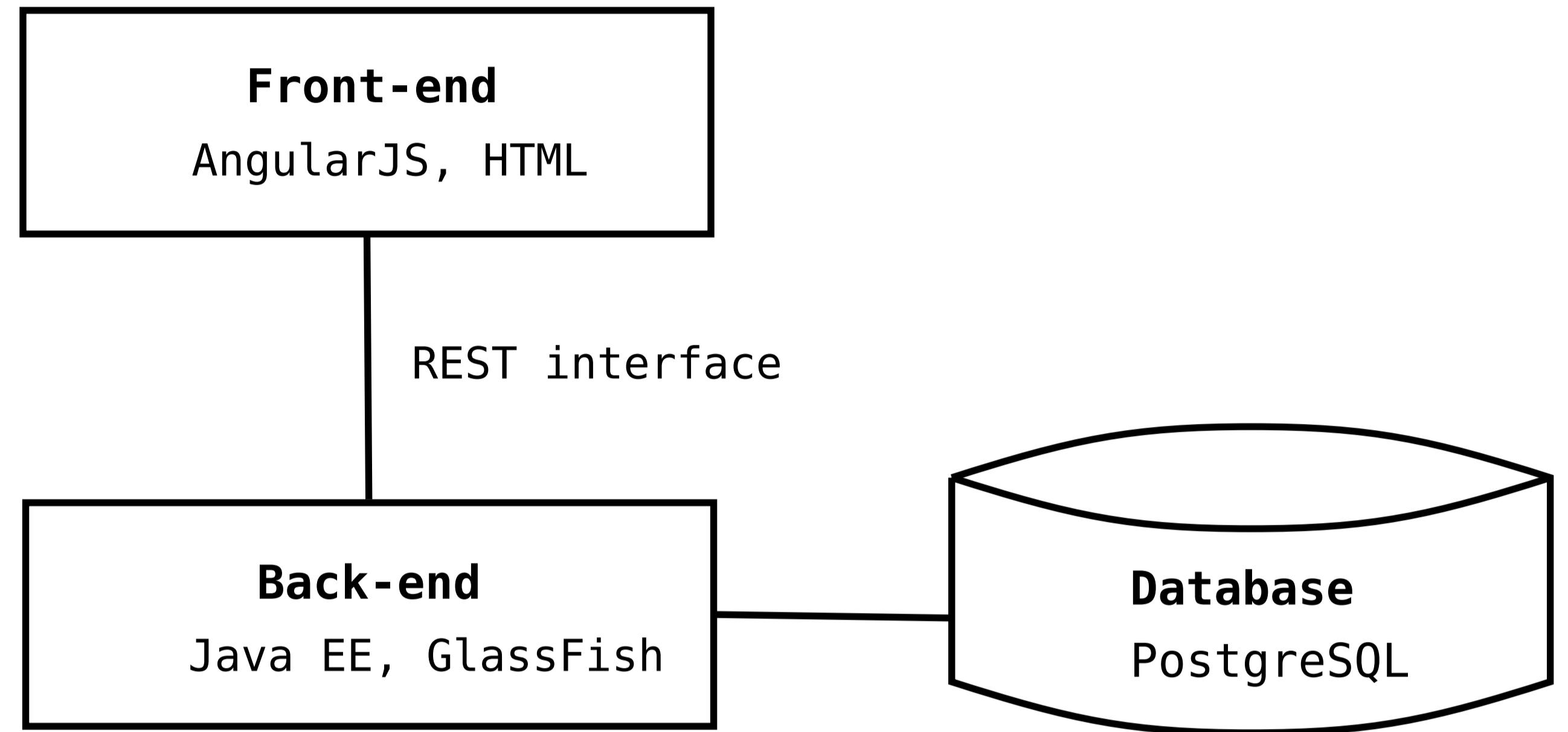


SWAN: Saar Web ANnotation System

Annotation Editor

Roles

Motivation: a **usable** web-based system optimized for **discourse** annotation tasks



Annotation schemes

```

<?xml version="1.0"?>
<root>
    <name>ExampleScheme</name>
    <spanTypes>
        <spanType>Event</spanType>
    </spanTypes>
    <labelSets>
        <labelSet>
            <name>EventType</name>
            <exclusive>false</exclusive>
            <appliesToSpanTypes>
                <spanType>Event</spanType>
            </appliesToSpanTypes>
            <labels>
                <label>State</label>
                <label>Event</label>
                <label>Generic Sentence</label>
            </labels>
        </labelSet>
        <labelSet> ... </labelSet>
    </labelSets>
    <linkTypes>
        <linkType>
            <name>Temporal relation</name>
            <startSpanType>Event</startSpanType>
            <endSpanType>Event</endSpanType>
            <linkLabels>
                <label>before</label>
                <label>after</label>
                <label>overlap</label>
            </linkLabels>
        </linkType>
        <linkType> ... </linkType>
    </linkTypes>
</root>
  
```

Annotations:

- SPAN TYPE: verb
- Eventualities: (multiple allowed)
- Annotations: not sure
- Remove annotation

Link Types:

- LINK TYPE: (select one)
- Annotations: Remove link
- LINK TYPE: during
- LINK TYPE: overlaps
- LINK TYPE: precedes

Scheme configuration: graphical scheme editor, XML or JSON

- Arbitrarily large documents are dynamically reloaded and rendered
- Graph offers a different perspective and a navigation option

The screenshot shows the Swan Annotation Editor interface. On the left, the 'Project explorer' pane displays a text document with numbered lines. Lines 01-04 describe Tara's actions, while lines 05-12 describe Harmon's thoughts. Annotations are placed on specific words like 'blew' and 'turned'. On the right, the 'Graph' pane visualizes these annotations as nodes and edges. Nodes represent entities like 'Event | ignored', 'Event | blew', 'Event | turned', 'State | stood', and 'State | waiting'. Edges represent relations like 'precedes' and 'during'.

Project management

- View of project managers / admin
- Create projects and assign annotators
- Track annotation progress
- Export in XML / UIMA XMI format

The screenshot shows the 'Projects' section of the Swan interface. It lists three projects: 'Discourse Modes', 'Temporal Relations', and 'Coreference'. Each project row includes a progress bar, the number of annotators, the project manager's name, and links for editing, deleting, and exporting in XML or XMI format.

Name	Progress	Annotators	Project manager	Scheme	Edit	Delete	Export
Discourse Modes 71	1/2	annotator_71@test.da	project_manager_71@test.da				
Temporal Relations 71	0/1	annotator_71@test.da	project_manager_71@test.da				
Coreference 71	0/1	annotator_71@test.da	project_manager_71@test.da				

Getting started

- Web demo / GitHub:
<http://swan.coli.uni-saarland.de>
<https://github.com/annefried/swan>
- Feedback / bug reports welcome!
- Installation and configuration instructions available on GitHub wiki

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