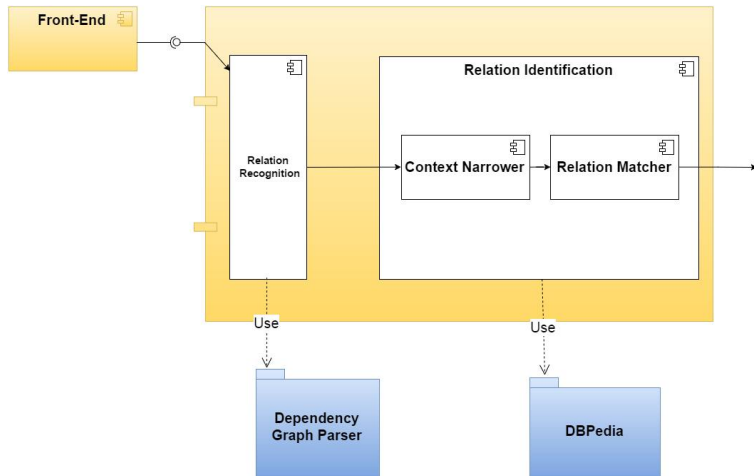


# Rel-ID - Architecture and workplan

Victor Ouko, Kai Kenklies, Patrick Seume  
Mentor: Kuldeep Singh

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# Overview of the model architecture



# The components in detail I

- ▶ Front-End: provides a form for feeding queries to Rel-ID via a browser. Possible results are displayed as a list.
- ▶ Relation recognition: finds the part of the sentence which is a relation. Some parser is used to generate dependency graphs on the input sentence.

## The components in detail II

- ▶ Context narrower: gives for the entity in the given query of interest the relevant set of relations which are these that are found within sentences together with this entity. So from all relations in DBPedia a smaller list of candidate solutions is extracted.
- ▶ Relation Matcher: receives the list of candidate relations from the context narrower and finds the best matching relations for the given query. For this purpose also syntactical knowledge regarding hyponymy and synonymy, that is stored in a treelike data structure is used.

# Workplan and responsibilities

- ▶ until 08.06: define interfaces, write tests
- ▶ until 15.06: test available open-source components and decide which to work with
- ▶ until 22.06: prepare documentation

until 29.06: implement Relation Recognition  
responsible: Victor

until 13.07: implement Context Narrower  
responsible: Patrick

until 27.07: implement Relation Matcher  
responsible: Kai

- ▶ until 03.08: submission of finished project (prospective date)

That's it

Questions?