JaTeDigo - A Natural Language Interface for a Movies Database

JaTeDigo goals
- Easy to use, fast and credible
- Easy to extend
- Able to answer “traditionally difficult questions”, such as:
  - Who plays in MOVIE1 and MOVIE2?

In which movie did Meg Ryan and Tom Cruise performed together?
- Syntactic and semantic pattern matching are used to...
- ... create dependencies (XML)

Example of dependency
<PARAMETER ind="0" num="23" word="meg ryan"/>
<PARAMETER ind="1" num="24" word="tom cruise"/>

Dependencies are used to create scripts...
script-which-films-main-act-two.pl ACTOR 'meg ryan' ACTOR 'tom cruise'
... that generate SQL queries

First experiment results:
- Right answer: 29
- Wrong answer: 4
- No answer: 17 (mainly due to misspelling)

Second experiment results:
- Right answer: 18
- Wrong answer: 2
- No answer: 30

Remarks
- People are influenced by examples
- Urgent: speller integration
- Available at: http://www.l2f.inesc-id.pt/~arog/index.pl