KbQAS: A Knowledge-based Question Answering System
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System's architecture

Question analysis component:
- Preprocessing: redefine question-words
- Syntactic analysis: identify noun-phrases, question-phrases and relation phrases
- Semantic analysis: produce the intermediate representation of input question

Contributions:
- The first Ontology-based question answering system for Vietnamese.
- A new knowledge acquisition approach to systematically build knowledge bases of grammar rules for processing natural language questions over semantic annotations.

Ontology Mapping and Answer Extraction
- Map terms and relations to concepts, instances and relations in the ontology
- Return the answer depending on the question-structure and question category