

Of interest to:
Legal Professionals

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Centre



AI Powered Legal Search

Using AI to replicate and enhance the search approach of legal research experts

Background

Legal search is keyword and phrase-based which can be labour intensive for legal professionals to find documents that are conceptually relevant to a given case. With current search technology, lawyers must rely on their manual query construction skills which varies from person to person.

Challenge

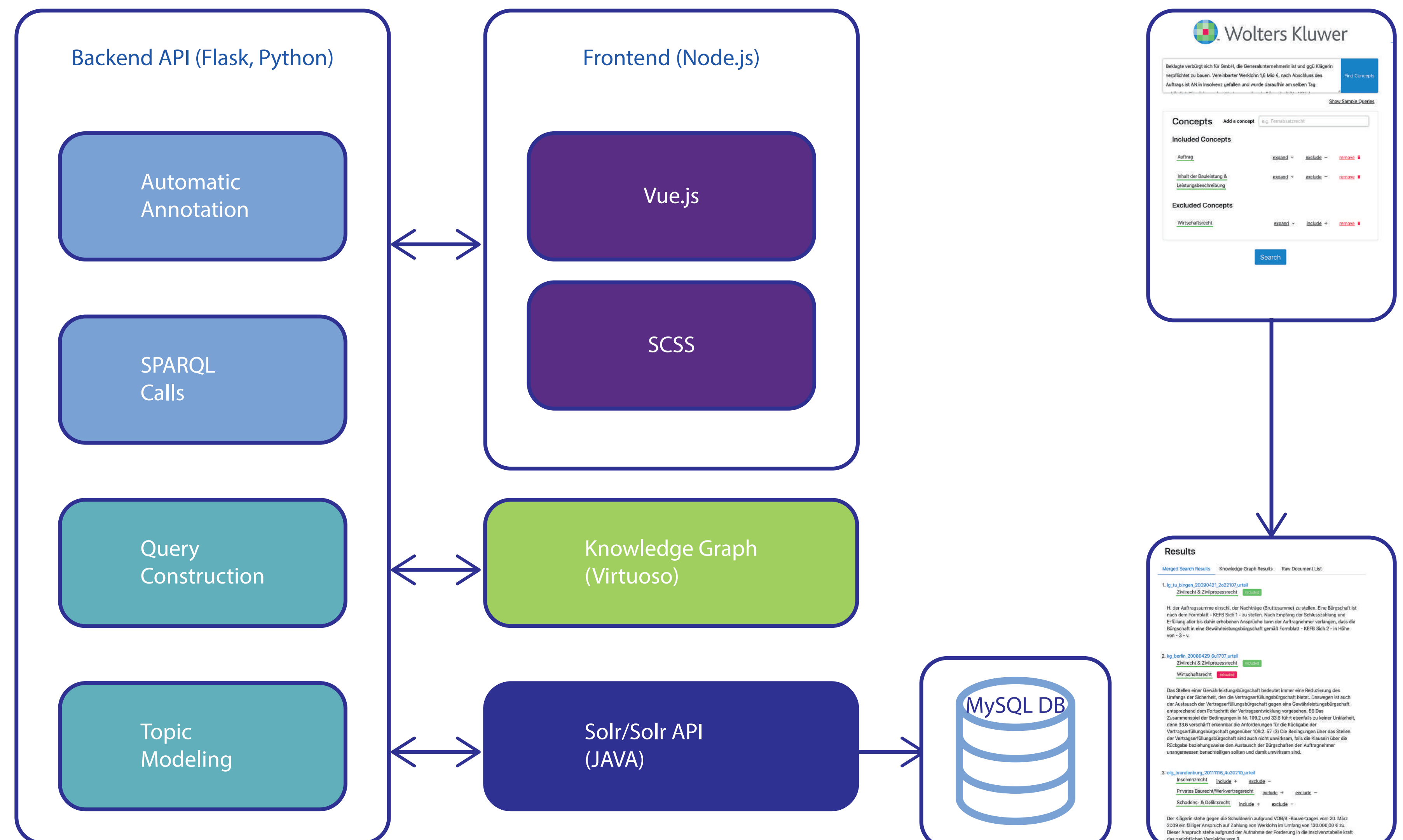
Enable relevant legal search results to be located more efficiently and quickly by leveraging knowledge managers' expertise into an AI driven search process.

Solution

Input: A textual summary of a client's case or claim such as a solicitor's letter.

ADAPT Technology: Our solution will return to lawyers relevant past court cases to help them build their legal strategy. We do this using an ontology (concepts and categories) of legal theory built by legal experts and a concept search index that maps those legal concepts to documents.

Outputs: Information retrieval system for enhanced legal search. The system analyses queries and documents to automatically identify relevant legal concepts and produces a document knowledge graph for analysis.



Results and Benefits

Currently being evaluated for Beta release at end 2019.

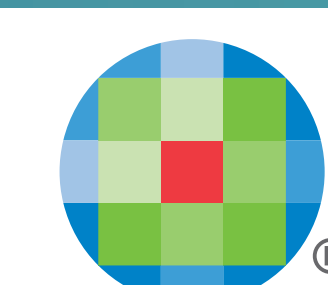
- Reduces lawyers' time spent on background legal research
- Better user experience through efficient document retrieval and presentation
- Helps legal experts identify new legal concepts
- Designed with legal professionals' information needs in mind
- A new test bench that can be adapted to any specialised domain to assess the utility and completeness of an ontology

Use Cases

Specialised-Domain Search: Using ontologies for specialised document search e.g. medical reports, retail catalogues, risk reports, research papers, technical reports.

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FUNDED BY:



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