

Semantic annotation tools for EIS document

**System overview and  
status update...**

# Requirement analysis

## Functional

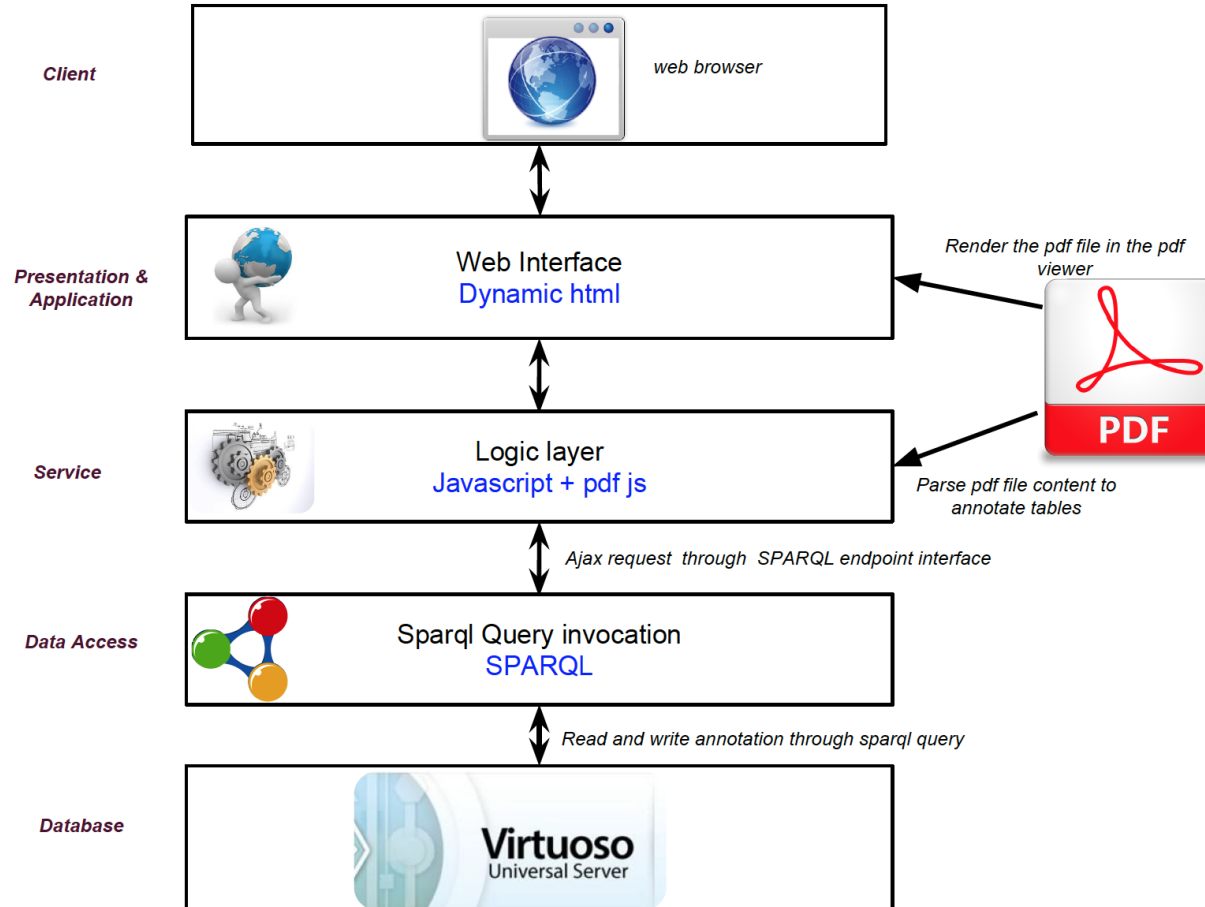
- Annotation of simple tables
- Annotation of complex tables
- Automated annotation of selected table content

## Non-functional

- Scalability
- Usability

More details document is available in EIS lab repository....

# Software Architecture Diagram - Semantic annotation tools for EIS publications



# During Hackaton

- Successfully able **segmentation** to a simple data table.
- **Separate** the UI for simple text annotation and new table annotation
- Start implementing the **Data cube vocabulary** for simple a table annotation.

# Project documentation and Git hub

Git hub set up for establish with proper documentation for existing source code

The screenshot shows a GitHub repository page for 'saifulnipo / eis-semantic-annotation'. The repository has 4 watchers and is starred. The main content area displays the 'Home' page, which was edited 14 days ago with 2 revisions. The title of the repository is 'Semantic Annotation Tool for EIS related PDF documents'. The description states: 'This is a concept tool to demonstrate how semantic annotation of PDF files could work via crowdsourcing effort. These annotations could form the basis for an intelligent search of similar PDF files.' Below the description is a preview of a PDF document titled 'DBLP — Some Lessons Learned'. The PDF content includes the author 'Michael Ley' from 'University of Trier, Informatics' and an abstract discussing the DBLP Computer Science Bibliography. To the right of the PDF preview is a sidebar with a form for adding annotations, including fields for 'Subject', 'Property', and 'Object', and buttons for 'Add annotation', 'Fetch annotations', and 'Find Similar'. Below the form is a section for 'Available annotation of this file:' with a table showing 'Subject', 'Property', and 'Object' columns. On the far right, there are links for 'Pages' (Documentation, Home, Libraries Used), a 'Clone this wiki locally' button with the URL 'https://github.com/saifulnipo/eis-semantic-annotation', and a 'Clone in Desktop' button.

saifulnipo / eis-semantic-annotation

Unwatch 4 ★ Star

Home Edit

saifulnipo edited this page 14 days ago · 2 revisions

## Semantic Annotation Tool for EIS related PDF documents

This is a concept tool to demonstrate how semantic annotation of PDF files could work via crowdsourcing effort. These annotations could form the basis for an intelligent search of similar PDF files.

**DBLP — Some Lessons Learned**

Michael Ley  
University of Trier, Informatics  
D-54286 Trier  
Germany  
ley@uni-trier.de

**ABSTRACT**  
The DBLP Computer Science Bibliography evolved from an early small experimental Web server to a popular service for the computer science community. Many details and details of the public XML-records behind DBLP never were documented. This paper is a review of the evolution of DBLP. The main perspective is data modeling. In DBLP, persons play a central role, our domains of person names may be applicable to many other data bases. As DBLP is a central source of data quality.

Blindness to studies are a third group of publications. They make use of the full spectrum of the data. The main disadvantage of DBLP for this purpose are the lacking citation information and the varying coverage for different subfields of computer science. The main advantages are the free availability and the inclusion of many conference proceedings which play an essential role for many branches of CS and are poorly covered by other bibliographic data bases. A fourth group of papers deals with person name disambiguation, a special aspect of data quality.

Subject  
Property  
Object

Add annotation Fetch annotations Find Similar

Available annotation of this file:

Subject	Property	Object
Michael Ley	is a	Person

Pages 3  
Documentation  
Home  
Libraries Used

+ Add a custom side

Clone this wiki locally  
https://github.com/saifulnipo/eis-semantic-annotation

Clone in Desktop

# Test Case Specification & Testing

Testing environment is being set up and integrated into the system.

## EIS Semantic Web Annotation :: Unit Test

☐ Hide passed tests ☐ Check for Globals ☐ No try-catch

**Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_8\_5) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/35.0.1916.153 Safari/537.36**

Tests completed in 48 milliseconds.  
2 assertions of 3 passed, 1 failed.

1. **Sparql Unit Test: Sparql Server Url Validity (0, 1, 1)** Rerun

2. **Sparql Response Parser Unit Test: Response Parser (1, 1, 2)** Rerun

1. Parsing success!

2. Parsing failed!

**Source:** at Object.<anonymous> (file:///localhost/Users/nipo/Documents/Uni%20Bonn/semester3/EIS-lab/code/eis-sem-annotation/unittest/js/allTest.js:17:12)

# Final submission & task planning

- 1st week of **October** - final submission with all the necessary documents -
  - **source code**
  - **system setup**
  - **documentation**
  - **poster**
- Git hub issue tracking is available and has been assigned in a regular basis
- We will work during the semester break.

## Team members rules:

- **A Q M Saiful Islam : Team lead**
  - Project planning and maintenance
  - Direct involvement in the coding
  - R & D
- **Seyidov Mirsattar**
  - Active Git hub issue solving
  - Direct Coding
- **Mircheska Marina**
  - Documentation
  - Project enhancement advisor

**Thanks for your attention.....**

**Q & A**