
A Generic approach for the form-based population of ontologies

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Summary

To propose a generic approach to build html forms dynamically for ontologies.

Extraction of data from dbpedia using `rdf(s,p,o)`.

Mapping of the instances and data elements to fields.

Overview of proposed system and timeline.

Till now

- **Dbpedia data extraction**
Searching data instances using subject.
- **Retrieval of properties and datatypes**
Depending up on type of class, subclass associated.
- **Parsing and conversion to valid form field:**
Parse the data type and value which is compatible with form elements.

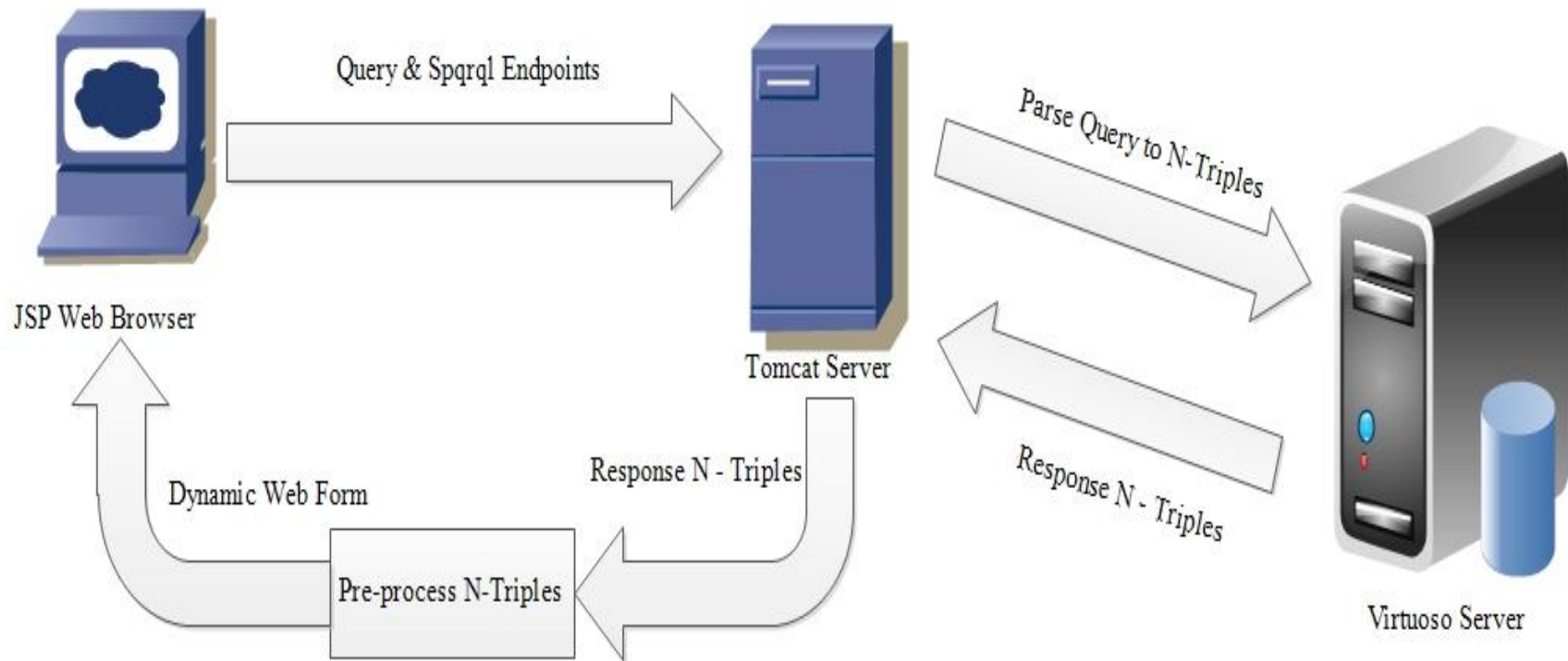
Till now

- **Editable web forms**
Create editable webforms.
- **Dbpedia has 4,233,00 instances**

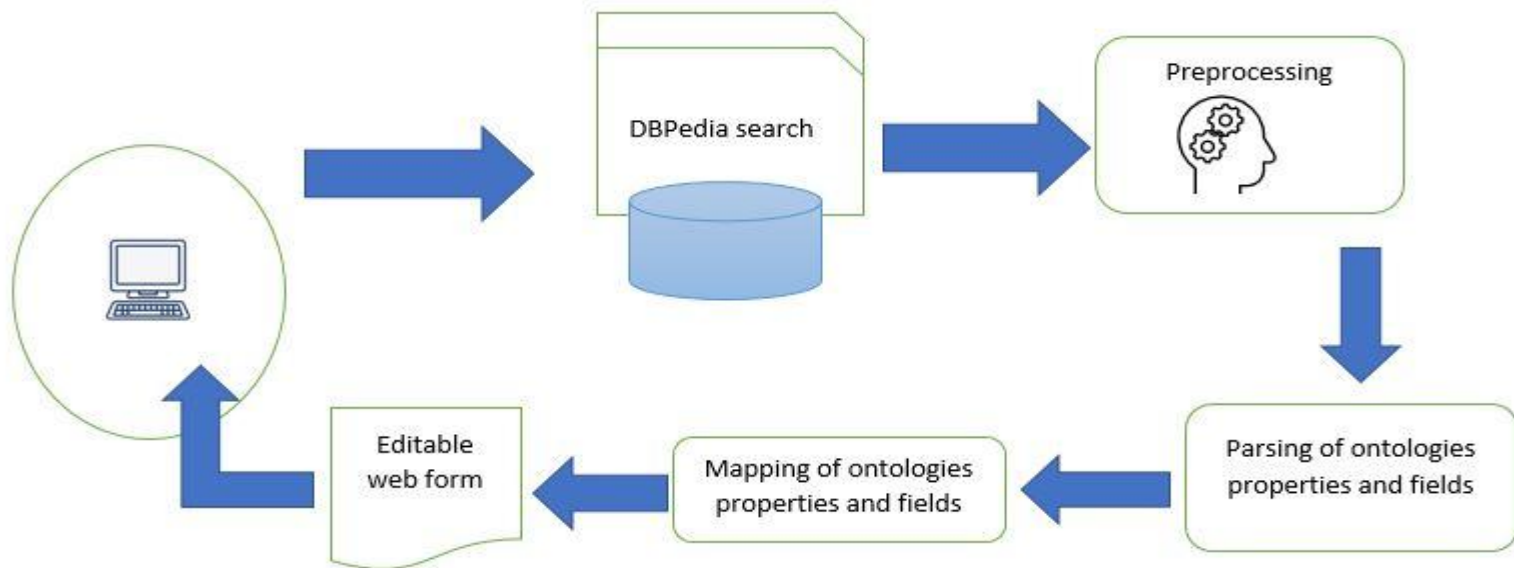
Instances per class

Class	Instances
Resource (overall)	4,233,000
Place	735,000
Person	1,450,000
Work	411,000
Species	251,000
Organisation	241,000

Stages



Stages



Whats next

Adding custom fields eg: Spouse place of birth, awards etc.

To check for creating a new instance.

After finalizing dataset proper formatting of fields values.

Saving of data for later research in rdf.

Reference links

https://thesai.org/Downloads/Volume4No6/Paper_20-Format_SPARQL_Query_Results_into.pdf

<https://www.topquadrant.com/technology/sparql-web-pages-swp/>

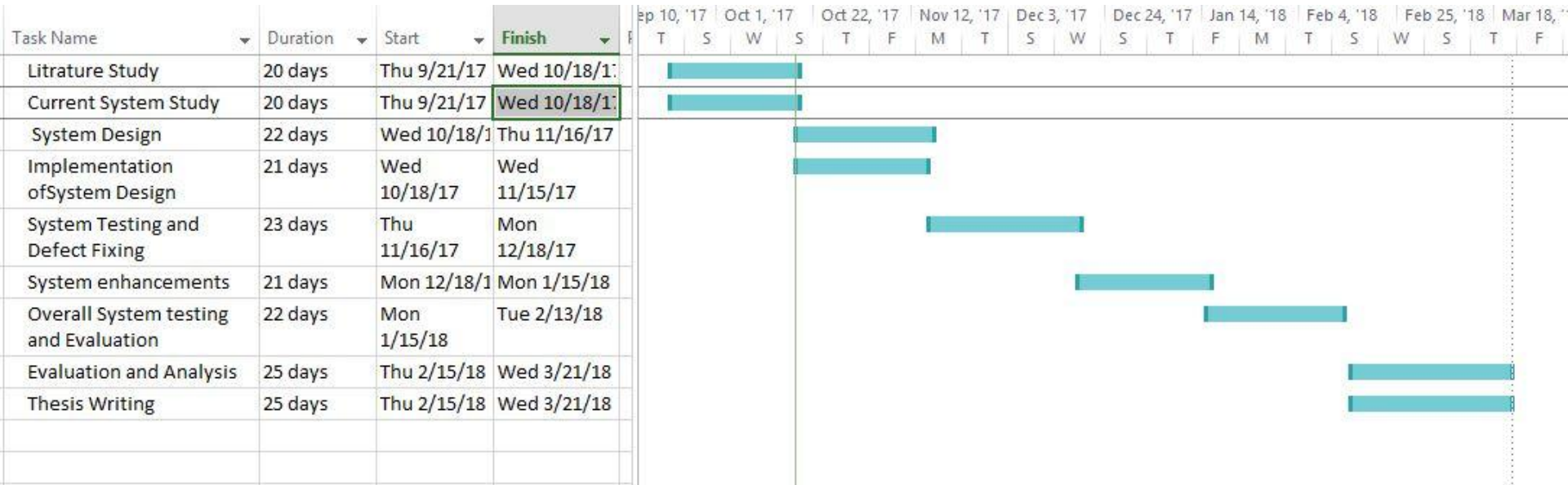
<http://ceur-ws.org/Vol-1704/paper11.pdf>

<http://rhizomik.net/html/redefer/rdf2html-form/>

http://www.w3schools.com/js/js_htmlDOM.asp

http://www.123rf.com/stock-photo/3d_thank_you.html

Timeline



Proposed System

