

Enriching Personal Knowledge Management with Existing Semantic Data

John Thomas

Enriching Personal notes with dbpedia integration

Obsidian

Personal Knowledge Management

Connectivity between internal
knowledge base pages

DBPedia

Connected database of Wikipedia
Topics

Semantically and Factually Rich

Currently: Links in obsidian can connect to either internal pages or external pages.

The Future: with a plugin, when making a new page in obsidian, query dbpedia to identify existing information on the topic and provide a starting point to enrich that page

Information Wireframes

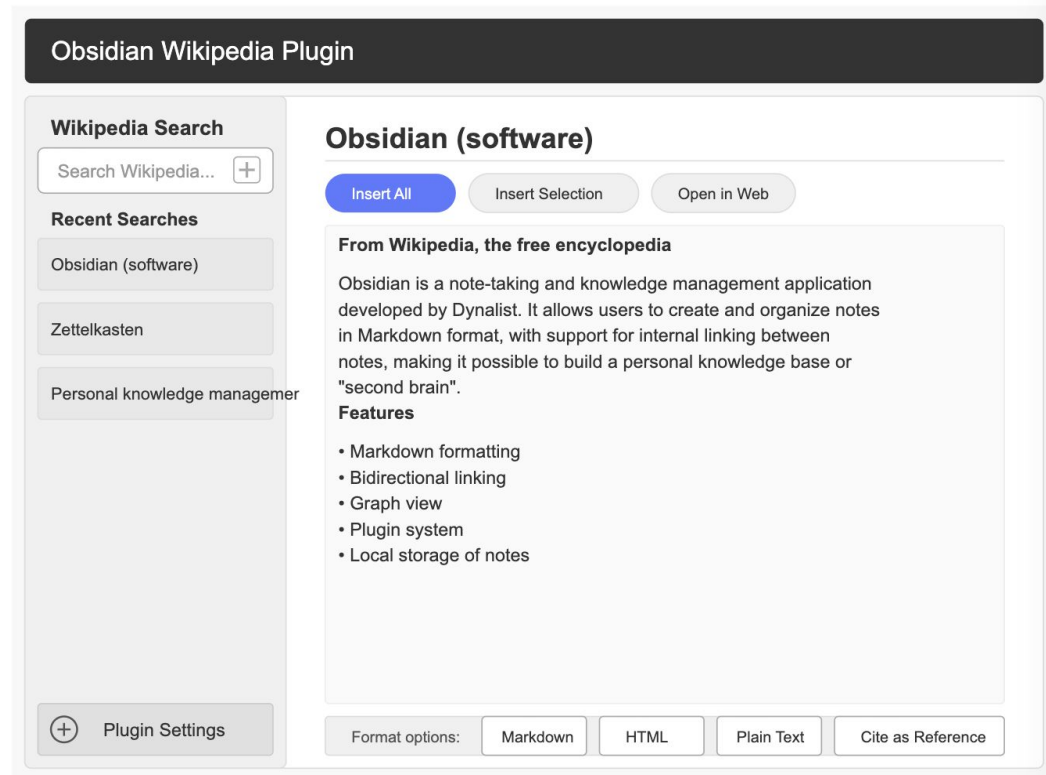
Obsidian is Markdown Text with
[[internal links]]

DBPedia is in Triples

Subject Relationship Object

Germany hasCapital Berlin

Berlin hasPopulation 6,132,081



Primary Concepts

RDF Concept	MD Concept	Description
Entity	Page	One information object in the RDF store is equivalent of a given page of notes. Each should capture a single idea or concept
Label	Title	The Label of an entity is the primary name for the entity, and is the title of the page
Abstract	Body Text	The Abstract in DBpedia is the medium-length description of an object, and should be the primary descriptor.
wikiPageWikiLink	Bi-directional Link	These are related concepts to the primary concept, and should be made available in the .md file for easy expansion of the network

Basic Architecture

Use Existing Plugin System in Obsidian

Fetch all triples around a given topic, allow the user to insert all or insert a subset

Minimal formatting should be done aside from that which enhances usability.