

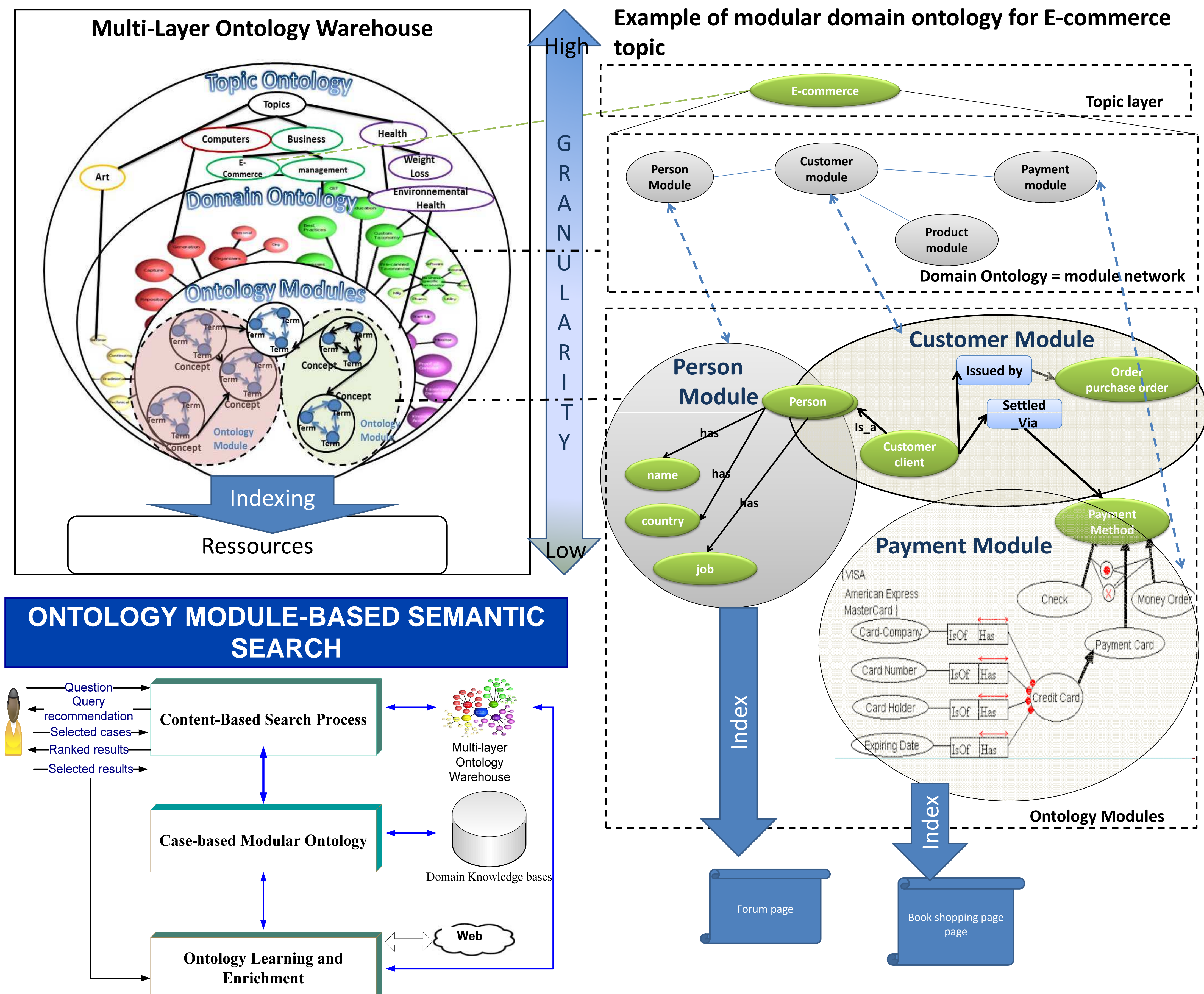
## Context and Motivation

The Web bears the potential of being the world's greatest encyclopedic source → the advances in automated information extraction from Web pages give rise to “**knowledge harvesting from Web**”.

**Objective:** build a *comprehensive machine-readable knowledge base* for **semantic search**

- **Motivation:** Harvesting knowledge according to users queries and introducing Ontology modularization for **knowledge reuse and search** over any domain area.
- **Issues:**
  - Information extraction is time consuming from a large scale corpora (the web)
  - Domain knowledge is dynamic and scalable
  - Modular Organization of a large knowledge base for multiple domains

## MODULAR KNOWLEDGE BASE FOR SEMANTIC WEB SEARCH



## Publications

Ben Mustapha N., Aufaure MA, Baazaoui Zghal H. and Ben Ghezala H., Contextual Ontology Module Learning from Web Snippets and Past User Queries, 15-th Annual KES Conference Kaiserslautern, Germany, 12-14 September 2011

Ben Mustapha N., Baazaoui Zghal H., Aufaure MA and Ben Ghezala H. Enhancing Semantic Search using Case-Based Modular Ontology, the 25th Symposium On Applied Computing (SAC), track on “The Semantic Web and Applications” (SWA), 22 –

26 March 2010, Sierre, Switzerland.