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Ontology Design  
For Semantic Web  
A Case Study

# **Le Ontology Design For Semantic Web A Case Study**

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**Le Ontology Design  
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The ontology design pattern proposed in this work is a content pattern addressing the design of classes and properties found commonly in semantic trajectories across application domains.

**A Geo-Ontology  
Design Pattern for  
Semantic  
Trajectories**

The paper presents a

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framework for introducing design patterns that facilitate or improve the techniques used during ontology lifecycle. Some distinctions are drawn between kinds of ontology design patterns.

## **Ontology Design Patterns for Semantic Web Content ...**

This course is far more than learning the

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syntax of the Semantic Web or how to use tools to implement semantic-based systems (although it certainly does cover both of those). This course is about learning how to think and design in semantics and how to utilize/develop triplestores, graph databases, queries, and ontologies.

**Designing & Building**

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**Business Ontologies**  
| **Semantic Arts**

One of the main artefacts to create a semantic network is the ontology. There are many methods describing the procedure of creating ontology for information solutions. The article presents the approach to the conceptualisation of the financial knowledge for a Business Intelligence

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**Process of Ontology  
Design for Business  
Intelligence ...**

This paper presents the  
Occupancy Profile  
ontology, a semantic  
model based on obXML  
that allows the  
representation of  
occupant behaviors  
and actions inside  
building spaces.

**From obXML to the  
OP Ontology:**



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**Developing a  
Semantic Model ...**

OntologyDesignPatterns.org is a Semantic Web portal dedicated to ontology design patterns (ODPs), run by the ODPA. The portal was started under the NeOn project.

**Ontology Design  
Patterns . org (ODP)  
- Odp**

Distributed Ontology,  
Model, and  
Specification

# Access PDF Le Ontology Design For Semantic Web Language™ This

A specification of the diversity of complex systems and formulates means (on a sound and formal semantic basis) to compare and integrate ontologies, models and specifications (OMS) that are written in different formalisms.

## **Semantics and Ontologies | Object Management Group**

The semantic web is

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envisioned as an evolving set of local ontologies that are gradually linked together into a global knowledge network. Many such local “application” ontologies are being built, but it is difficult to link them together because of incompatibilities and lack of adherence to ontology standards.

**A framework for**

*Page 11/27*

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## **using reference ontologies as a foundation ...**

The semantic analysis resulted in concepts and a terminology set. Constructing the hepatitis ontology framework After carrying out the concept analysis of hepatitis, we began to design hepatitis ontology structure. The ontology editor tool used is Protégé 3.4.1, which was developed

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by Stanford Center for  
Biomedical Infor-

**An approach to  
semantic query  
expansion system  
based on ...**

An Enterprise Ontology is an Ontology of the key concepts that organize and structure an Organization's information systems. Having an Enterprise Ontology provides a unifying whole that makes system

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integration bearable.

An Enterprise Ontology is like a data dictionary or a controlled vocabulary, however it is different in a couple of key regards.

## **Semantic Ontology: The Basics | Semantic Arts**

The OWL Standard and Ontology Modelling. In recent years, there has been an uptake of expressing ontologies using ontology

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languages such as the Web Ontology Language (OWL). OWL is a semantic web computational logic-based language, designed to represent rich and complex knowledge about things and the relations between them.

## **What are Ontologies and What are the Benefits of Using ...**

Ontology Design

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Patterns portal is a wiki repository of reusable components and practices for ontology design, and also maintains a list of exemplary ontologies.

Protégé Ontology Library contains a set of OWL, Frame-based and other format ontologies.

SchemaWeb is a directory of RDF schemata expressed in RDFS, OWL and DAML+OIL.



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## **Ontology Study (information science) - Wikipedia**

Download this complete Project material titled; Improving Ontology Matching Towards Achieving Semantic Interoperability with abstract, chapters 1-5, references, and questionnaire. Preview Abstract or chapter one below Format: PDF and MS Word (DOC) pages

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**Improving Ontology  
Matching Towards  
Achieving Semantic**

...

Natural Language  
Processing & Semantic  
Search: By using RDF  
and storing the  
ontology in triples, we  
can instantiate the  
model and traverse our  
data via relationships  
by asking natural  
language style  
questions that follow

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the same pattern using SPARQL. For example, if our model contains a relationship between two concepts:

## **Keys to Successful Ontology Design - Enterprise Knowledge**

semantic mappings between their elements. Manually finding such mappings is tedious, error-prone, and clearly not possible at the Web

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scale. Hence, the development of tools to assist in the ontology mapping process is crucial to the success of the Semantic Web. We describe GLUE, a system that employs machine learning techniques to find such mappings.

## **Learning to Map between Ontologies on the Semantic Web**

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Background. Derived from the field of philosophy, an ontology is a explanatory or descriptive model of a system, which represents entities and relationships among entities in that model [1]. It refers to the semantic basis for the communication between subjects (human, machine, software, etc.) within a domain.

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## **An approach to semantic query expansion system based on ...**

For the IT specialist of semantic web, the ontology is a consensual model, because the conceptualization is shared and brings then to build a linguistic specification with the vocabulary RDF/RDFS and the language OWL.

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**Web Semantic and  
Ontology** Study

International Workshop  
on Semantic Web and  
Ontology Design for  
Cultural Heritage  
(SWODCH 2020) @  
Bolzano Summer of  
Knowledge (BOSK  
2020), September  
21-22, Bolzano, Italy ht  
tps://swodch2020.inf.u  
nibz.it/ \*WORKSHOP  
SCOPE AND AIM\*

**SWODCH 2020 :**  
**Semantic Web and**

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Ontology learning for  
the Semantic Web.

Abstract: The Semantic  
Web relies heavily on  
formal ontologies to  
structure data for  
comprehensive and  
transportable machine  
understanding. Thus,  
the proliferation of  
ontologies factors  
largely in the Semantic  
Web's success. The  
authors present an  
ontology learning



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framework that extends typical ontology engineering environments by using semiautomatic ontology construction tools.

## **Ontology learning for the Semantic Web - IEEE Journals**

...

The International Joint  
Workshop on  
“Semantic Web and  
Ontology Design for  
Cultural Heritage”

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(SWODCH 2020) is the association of the 2 nd edition of WODHSA ...  
Nowadays, institutions bring their data to the Semantic Web level, so the tasks of integrating, sharing, analysing and visualising data are to be conceived in this new and very rich ...

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