

Towards OntoLex–Lemon editing in VocBench 3

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ABSTRACT: Released in early May 2016, the OntoLex–Lemon model is a suite of agreed–upon RDF vocabularies for the representation of ontology lexicons. The OntoLex–Lemon model, as well as its predecessor Monnet *lemon*, has also been used (actually “misused”, from a certain point of view) to represent lexical–semantic resources (e.g. wordnets), dictionaries and, more broadly, to serve as a cornerstone of the Linguistic Linked Open Data cloud. The number of users potentially interested in editing or consuming OntoLex–Lemon data is thus very large. However, common ontology and rdf editors are inconvenient because of the complex design patterns embodied in the OntoLex–Lemon model, which relies heavily on reification and indirection. In this paper, we discuss our ongoing work to extend the collaborative thesaurus and ontology editor VocBench 3 with facilities tailored to the OntoLex–Lemon model, while retaining its large feature set and the wide modelling spectrum offered by RDF.

Keywords: Lemon, OntoLex, VocBench, Lexicon, RDF.

1. Introduction

The w3c Community Group Ontology–Lexicon¹ (OntoLex) published its final report² in early May 2016, defining the OntoLex–Lemon³ model: a suite of RDF vocabularies (called modules) for the representation of lexicons for

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1. Ontology–Lexica Community Group, <<https://www.w3.org/community/ontolex/>> (last consulted: 23/01/2018).

2. Lexicon Model for Ontologies, <<https://www.w3.org/2016/05/ontolex/>> (last consulted: 23/01/2018).

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