



Relations, relations everywhere: an introduction to the DMLex data model

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Agenda

- ➊ General introduction to DMLex
- ➋ A module-by-module tour of DMLex
- ➌ Using DMLex

① General introduction to DMLex

Does the world need
another lexicographic data standard?

~~Does the world need
another lexicographic data standard?~~

wrong question

DMLex: a data model for lexicography

DMLex isn't...

- Yet another data format

DMLex is...

- An abstract, format-independent data model
- Implementable in XML, JSON, relational database, RDF triplestore...

DMLex design principles

- Modern born-digital dictionaries
- Dual use: humans and machines
- Hybrid tree-structured/relational data model
- Freely available
- Real-world focus: model what's *normal*, not what's *possible*.

OASIS Lexicographic Infrastructure Data Model and API (LEXIDMA) TC

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Developing an open standards based framework for internationally interoperable lexicographic work.

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- [Overview](#)

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Entering **public reviews** soon.

② A module-by-module tour of DMLex

DMLex Core

entry | id: abandon-verb | headword: abandon

partOfSpeech | tag: verb

sense | id: abandon-verb-1

definition | text: to suddenly leave a place or a person

example | text: I'm sorry I abandoned you like that.

example | text: Abandon ship!

label | tag: idiom

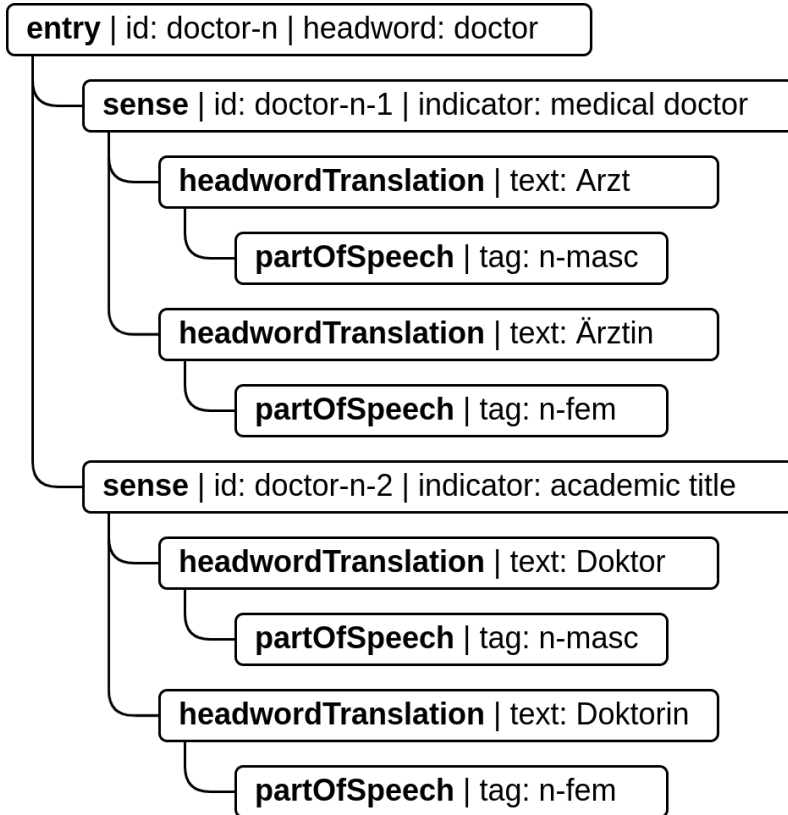
sense | id: abandon-verb-2

label | tag: mostly-passive

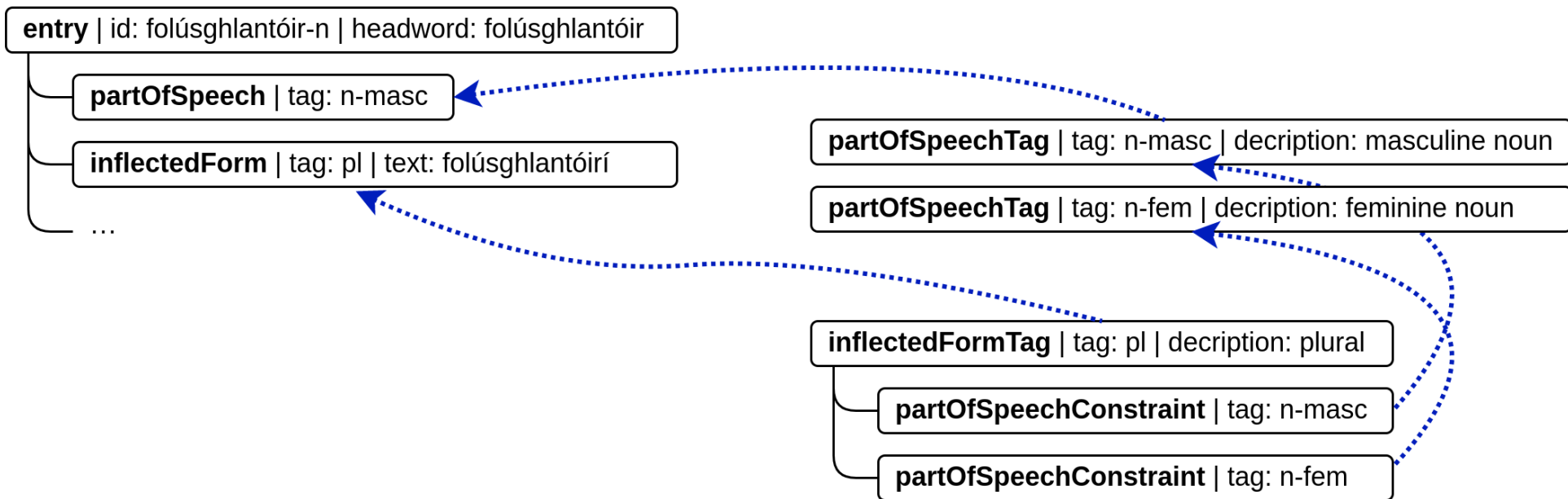
definition | text: to stop supporting an idea

example | text: That theory has been abandoned.

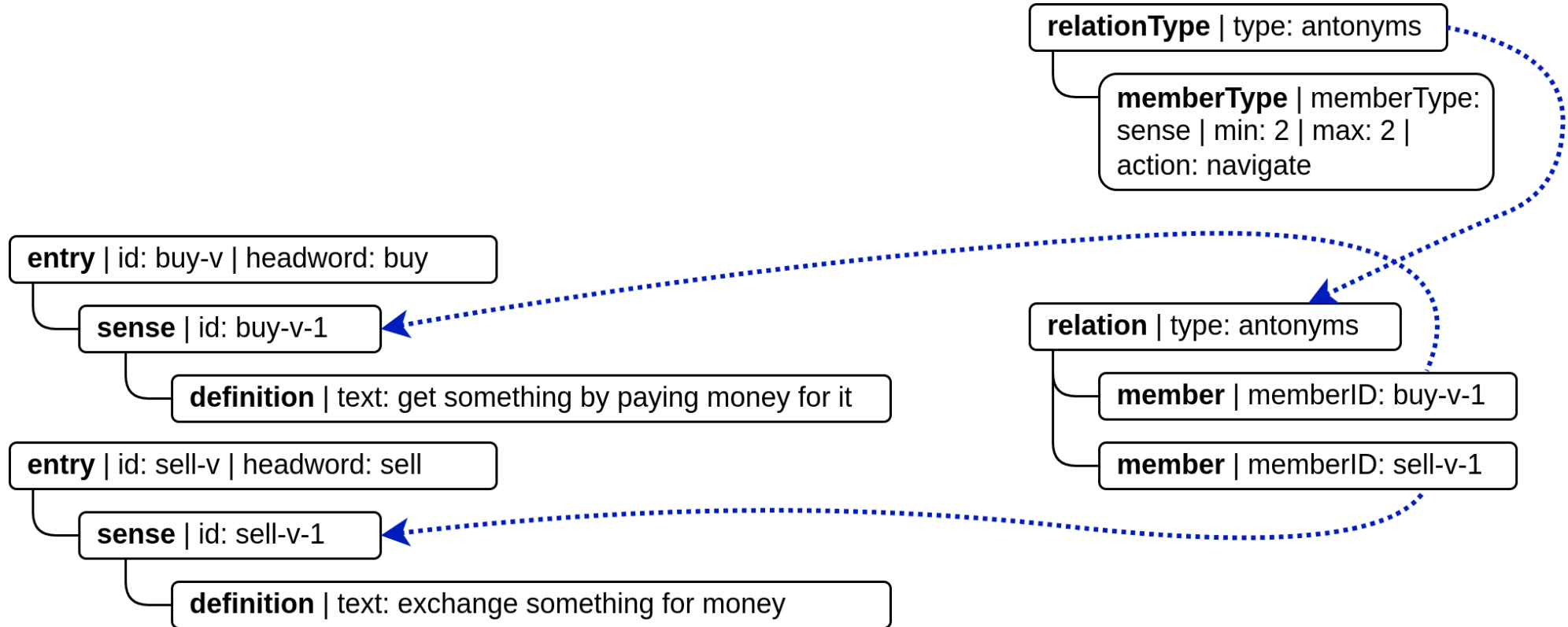
DMLex Crosslingual Module



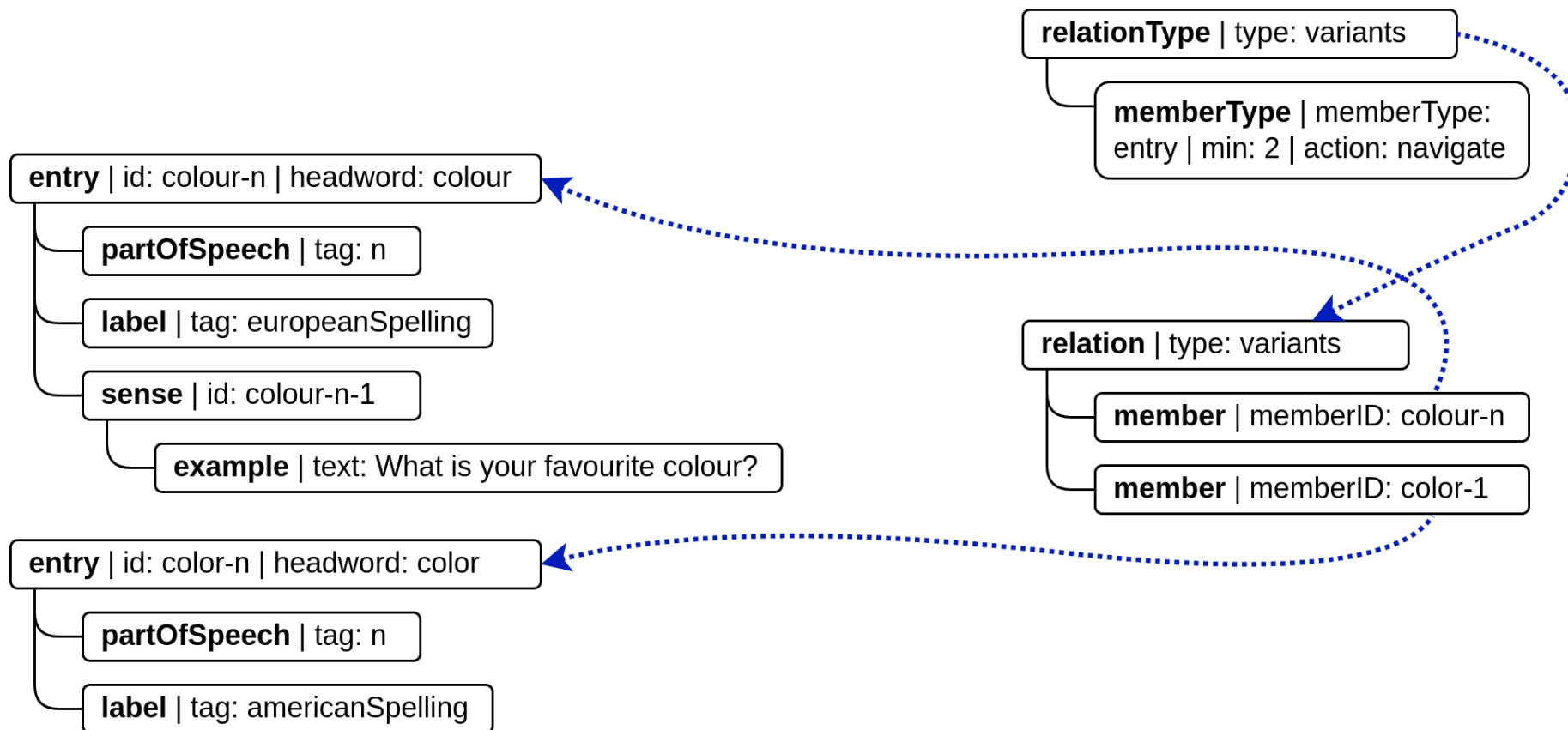
DMLex Controlled Values Module



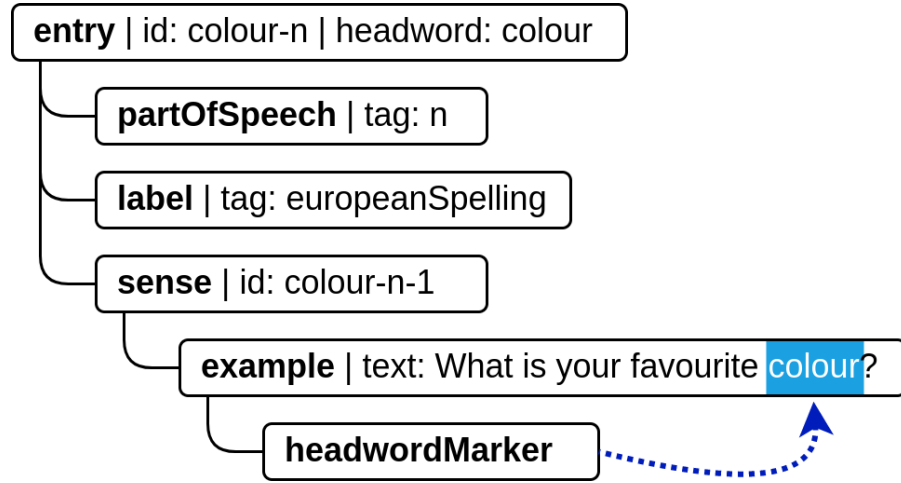
DMLex Linking Module (1/2)



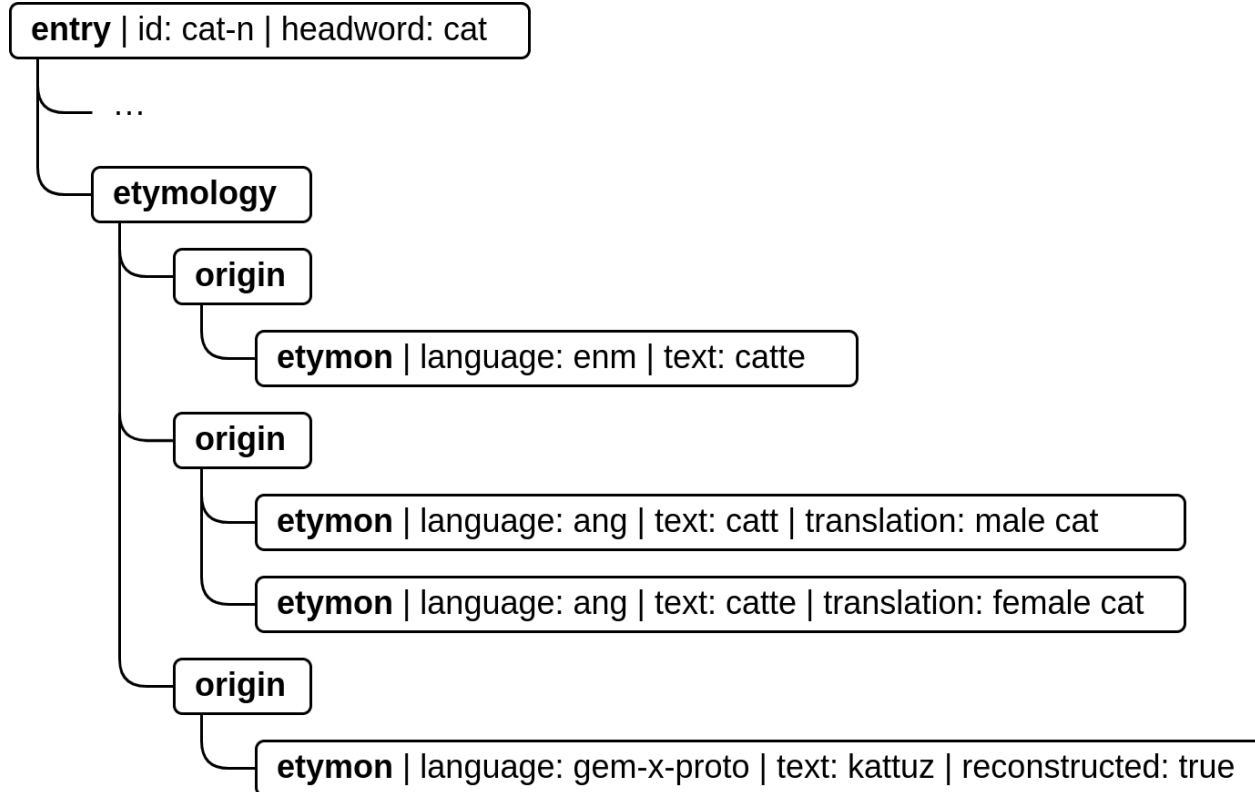
DMLex Linking Module (2/2)



DMLex Annotation Module



DMLex Etymology Module



③ Using DMLex

Using DMLex

- DMLex at ELEXIS (Jožef Stefan Institute)
 - ELEXIS Dictionary Matrix, elexiLink
 - “Lexonomy 2.0”
- DMLex at Lexical Computing
 - In-house produced dictionaries
 - “Lexonomy 2.0”

Thank you.

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