Ontology development - Books

Nathan Neelis (14184249) • Information Organisation • 28-09-2022

In this assignment, an ontology is developed that includes metadata to describe a book. A book can have different subclasses of information: Genre, Language, Format, Publication and Title. And each subclass could have types as well, for example, the genre class has types of different genres: Fantasy, sci-fi and educational. There are, of course, more genres than displayed in this ontology, but this exceeds the training purpose. There is also a class for Author because this is not a subclass of a book, but a book can be written by an author.

Except for categorizing the book's metadata, the ontology also has relations. So the book can be 'writtinBy' an author, can be 'writtenIn' a certain language and has an 'isGenre' of for example fantasy.

To demonstrate this ontology some metadata for two different books is added. For example, The Witcher, which is a fantasy book (genre) and has a Title (The Witcher) and a subtitle (The last wish). It is written in English (language) and by Andrzej SapKowski (author). The book is a paperback (format) and is published in the UK (publish location) in 2017 (publish date) by Gollancz (publisher).

