300. IDRT Import and Mapping Tool (IMT)

Summary

The IDRT Import and Mapping Tool (IMT) serves two purposes:

1. Importing data from various source formats into i2b2
2. Create and maintain a sophisticated i2b2 ontology for navigation and querying

The IMT is Java client application. It is expected to run locally and requires a network connection to the i2b2 database.

We describe the general architecture in detail, but you first may want to download and install the application. In case you find a bug, want to request additional features or are willing to contribute own code, please send a request.

Importing datasets

The IMT provides extractors for importing data from certain **generic formats** like character-separated files (CSV), database scripts (SQL), or XML-files in C DISC ODM.

Additionally, a number of **special dataset specifications** can be imported, too:

- Files for the German DRG system (§ 21 KHEntgG)
- Files from the Laboratory Information and Biobank Management System STARLIMS
- Concepts from certain medical terminologies like ICD-10 or LOINC
- Concept extractor from the German National Metadata Repository prototype (MDR)

Editing the i2b2 ontology

The IMT furthermore provides a means to rearrange the i2b2 ontology by creating, renaming, moving and mapping source concepts as well as folders with the help of a graphical user interface.

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