

Release note

Gellish Formalized English Taxonomic Dictionary

September 2024

Notes

1. The files can be interpreted conform the rules in the document 'Gellish Syntax and Contextual Facts'. That syntax document is free downloadable.
From this release onward: The first line of each file in the release contains 'parameter=value pairs.
2. Note that the table definition allows flexibility in the sense that the meaning of columns are denoted by numeric column ids. This implies that the column names may sometimes differ slightly and the various files may differ in included columns and in column sequence.
3. The file 'Formal language definition base' contains the definitions of the concept that form the top of the taxonomic hierarchy and the definitions of the kinds of relations that are necessary for the interpretation of the other files.
All other concepts in the other taxonomic dictionary files are subtypes of those concepts.
Therefor software should import/interpret that file first.
4. If units of measures are used, then it is recommended to import/interpret the 'units of measures & currencies' as second file, because it defines units of measure that are used in other files.
5. The 'extended language definitions' file defines among others concepts that are supertypes of multiple other files. Therefor it is recommended to import/interpret that files as third.
6. The other files or a subset of those files can be imported/interpreted in any sequence.
7. The 'roles of aspects' contains many detailed concepts that are typically used in the process industries. For other kinds of applications it imay save memory space and improve performance if that file is not imported.
8. An example import and usage is provided in the Gellish Communicator reference application on <https://github.com/AndriesSHP>. Note that the Communicator-Web_version- is an improved and extended version.
The Communicator includes a Gellish object oriented inmemory network database.

Implementation guidelines

1. Generation of new UUIDs.

The prefix parameter on the first line denotes a prefix code. Software should ensure that empty fields of UUIDs are provided with an identifier that is a concatenation of the prefix, followed by a colon (:), followed by a sequence number in the specified range for objects or for ideas. The sequence number shall be higher than the highest existing sequence number with that prefix in the file.

The software shall verify and ensure that objects with identical names in the same language and language community shall have the same UUID.