

This is a small sample of a Literate Data Model, used for testing each of the constructs, at least once.

Sample Classes

with a one liner for the subject, spanning two lines

And an elaboration, with a few paragraphs

Paragraph 2

Paragraph 3

Editions

Edition

a manifestation of a literary work

LiteraryWork OtherBase

based_on

title

the title, as shown on the book's title page

Full Title FullTitle value

DEFAULT

CODE

the title of the Work of which this is an edition

baseWork.title

author

the writer

Person Person value

illustrators

artists who supplied the pictures

List of People List of People-es value_es

Optional
Publication
Details

Optional

datePublished

when the edition was released to the public

BiblioDate BiblioDate value

Required Format
Details

numberOfPages

last page number

optional Integer Integer value

Unsaid Other
Details

datePublished

when the edition was released to the public

BiblioDate BiblioDate value

HardcoverEdition

subtype_of

Edition bySomething

Work bySomething

PaperbackEdition

subtype_of

Edition bySomething

Work bySomething

ElectronicEdition

subtype_of	Edition bySomething
eFormat	<p>the precise medium for the electronic edition</p> <p>Code Code value</p> <p>```csv eFormat, Description E-Book, 'Kindle or Apple books - etc' PDF, formatted for printing and direct delivery ```</p> <p>```csv Format, Description E-Book, 'Kindle or Apple books - etc' PDF, formatted for printing and direct delivery ```</p>
	Addresses
streetAddress	<p>usually the street and number</p> <p>Text Text value</p>
streetAddress	<p>usually the apartment or unit number</p> <p>Text Text value</p>
city	US City UsCity value
state	US State UsState value
Full Zip Code	
mainZipCode	Required Number RequiredNumber value
⬆ Must be	5 digits
preciseZipCode	Optiona Numberl OptionaNumberl value
⬆ Must be	4 digits

Next steps

Clean up

* Name parsing + * value types + * Rendering code blocks.
capture language + * Subtypings - exclusive, exhaustive + * Data
types with reference/value and cardinality + * Optional on
Attribute Section

Complete

* Code types + * And data block

Validation

* cycles + * references to classes, subtypings + * references to
attributes

Flesh out

* Subtypes, subtypings + * inverse attributes + * Overrides what +
* explicit for data type value/reference

Futures

* Diagrams

Tests to include

Headers

Notice that, here, asterisks are used for lists and embedded list,
so the items won't be confused with attributes

* Subject - w/ one-liner + * Class one-liner?, Value Type + *
Attribute Section - optional? + * Attribute Header + ** with and

without one-liners + ** with and without data type expressions + *
Formulas, derivation, default, constraint + * Annotations

Name tests Variations Styling Anchors

↑ In

Class clauses

* Plural + * Abbreviation + * Subtype of + * Based on + * Where +
* Diagnostics + * Annotations

Fleshed in + * Subtypes, subtypings + * Dependents + *

Ancestors + *

Attribute clauses

* Data type + * Default + * Derivation + * Constraint + * Required/
optional - if/unless

Fleshed in + * overrides + * inverse of

Constraints and derivations

More Tests needed

Formula Tester English OCL Message Severity

Data types

* Base Type. Reference vs Value + * List, set, mapping types + *

Nested operators

LiteraryWork

firstEdition

a home for the data type clauses

List of Edition List of [Edition-es](#) value_es

dataType

List of sets of Editions

Edition

to try more complex data types

author

assuming just one

dataType

Person

artists

allowing for multiple

dataType

list of People

contributors

mapping of Role to List of People

dataType

Must be several for each role

CONSTRAINT

len(contributors[role]) > 1 for each role

CODE

not enough contributors for role

MESSAGE

Error

SEVERITY

constraints take annotations which may span

↑ con note

defaults take annotations

↑ def ote

derivations take annotations

↑ der note

{'author': [a, b, c] }

DEFAULT

{'author': [a, b, c] }

DERIVATION

Data type clauses

* Optionality + * Cardinality

Elaborations

Paragraphs

Unindented paragraph. + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines

Indented paragraph. + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines

Lists indented lists

Code blocks with language

Block quotes

> paragraph with angle before first line + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines

> parag with angles on every line + > next line + > next line

Nested block quotes

> paragraph with angle before first line + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + >> Nested goes here + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines + and not on next line and many subsequent lines

Pseudo admonitions

warning: Don't do that

Markdown code blocks

```
```markdown This is some text, with indented lists - Item - Item2 - Item 3 - Item a - Item b - Item c ```
```

### Code Tables

 This is a

CSV Codeblock So. This is the **one to use to enter codes**, lists of annotations, etc

```
```csv Pos, Date, Name, Price 1, 2023-09-28, Spices, 150$ 2, 2023-02-29, Shovel, 1.25$ ```
```

HTML code center This should be centered center

Comments

Here's a paragraph that will be visible. + (Hard to see what's required: blank lines?)

[This is a comment that will be hidden.]: #

[This is a comment] #

[This is a comment that will be hidden.]: #

And here's another paragraph that's visible.

Figures DS Copy jpg

just copy and paste into Obsidian page (or drag and drop)

Captions are harder

Diagrams Just use Mermaid in code block

```
``` (mermaid) block-beta columns 3 a:3 block:group1:2 columns 2 h i j k end g block:group2:3 %% columns auto (default) l m n o p q r end ```
```

And here's the result

```
```mermaid block-beta columns 3 a:3 block:group1:2 columns 2 h i j k end g block:group2:3 %% columns auto (default) l m n o p q r end ```
```

Admonitions

```
```ad-tip title: This is a tip This is the content of the admonition tip.
```
```

Obsidian Callouts

> [!info] + > Here's a callout block. + > It supports **Markdown**, [[Internal link|Wikilinks]], and [[Embed files|embeds]]! + > !
[[Engelbart.jpg]]

> [!note] + > Lorem ipsum dolor sit amet

> [!abstract] + > Lorem ipsum dolor sit amet

> [!question] + > Lorem ipsum dolor sit amet

> [!question] + > Why is the sky blue?

Capabilities

To PDF

To HTML

Prettify

Edit in VS Code

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