Data Table

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1. Overview

JPLDataTable is a kind of naive relational database table. It handles Records (a set of data elements) using a model of schema (field names and types).

It is used as typed properties to constraint and control fields and content.

In the JPL, it has been used for the definition of annotations.

Note:

It is based on a typed field manager that associates a field with a typed value. This mechanism is based on JPLITeleporter converters that convert String to any typed value object.

2. Data Table Factory

3. Data Table in action

Note:

The accession of any record are done by integer id query. It could be good to give the choice to specify a field as the unique identifier in a next version like in the following prototype: