## Class Level Documentation enhancement

### Requirements

* The capability to map between DDI-L and DDI-Views that is machine actionable.
* The capability to map between DDI-C and DDI-Views that is machine actionable.
* The capability to map between the DDI-Views Model and RDF objects for production of the RDF binding.
* The capability to map to existing and future DDI Controlled Vocabularies

## Specification

## Field\_Property

The current Field Collection field\_property is shown below



It should be extended to support the following

|  |  |  |  |
| --- | --- | --- | --- |
| **Label** | **MACHINE NAME** | **FIELD TYPE** | **WIDGET** |
| DDI32 Class | field\_property\_ddi32\_class | List (text) | Select List |
| DDI32 Property | field\_property\_ddi32\_property | List (text) | Select List |
| DDI32 Match | field\_property\_ddi32\_match | List (text) | Select List |
| DDI25 Element | field\_property\_dd25\_element | List (text) | Select List |
| DDICV | field\_property\_ddicv | List (text) | Select List |
| DDICV\_description | field\_property\_ddicv\_description | Text | Text Field |
| RDF Mapping | field\_property\_rdf | Text | Text Field |
| RDF Match | field\_property\_rdf\_match | List (text) | Select List |

### DDI32 Class

This field should be populated with the DDI3.x classes that currently reside is field\_ddi\_3\_2

### DDI32 Property

This field should be populated with DDI3.x properties, these should be restricted based on the content of DD32 Class

### DDI32 Match

This field should be populated with a Controlled Vocabulary of appropriate terms

### DDI25 Element

This field should be populated with the elements in DDI Codebook

### DDICV

This field should be populated with the list of DDI Controlled Vocabulary URL. This field should only be available if the Property is on type ExtrenalControlledVocabulary

### DDICV \_description

A text field for explanatory notes relating to the DDICV field

### RDF Mapping

A text field to hold the URL of the relevant RDF mapping

### RDF Match

This field should be populated with a Controlled Vocabulary of appropriate terms

## field\_relationship

This should be extended to add the following fields

|  |  |  |  |
| --- | --- | --- | --- |
| **Label** | **MACHINE NAME** | **FIELD TYPE** | **WIDGET** |
| RDF\_Relation | field\_property\_rdf\_relation | List (text) | Select List |
| RDF\_Relation\_Target | field\_property\_rdf\_relation\_target | Text | Text Field |

### RDF Relation

This field should be populated with a Controlled Vocabulary of appropriate terms

### RDF Relation Target

A text field to hold the URL of the relevant RDF Target

## Implementation Considerations

The fields can all be added by an administrator, without the need to Drupal skills. Set up of the content to populate the lists for can be done without programmer time

* DDI32 Match
* RDF Match
* RDF\_Relation

## Programmer Time

Drupal skills will be required to import data into the fields, and potentially the dependency between DDI32 Class and DDI32 Property.