URL Assistant. How to make your data classification using the existing experience.

Contents

Motivation

When a business applies to NRA for a certificate, the application should be classified to some regulatory area. Examples are "retail", "wholesale", "import", "marketing", etc.

The classifier may be complex. For example, the European Medicine Agency demands separate business application templates for medicinal products related to

- Accelerated assessment
- Advanced therapies: marketing authorization
- Biosimilar medicines: marketing authorization
- Conditional marketing authorizations
- Generic and hybrid applications
- Orphan designation: marketing authorization
- Pediatrics medicines: Marketing authorization

Moreover, a business can apply for registration or post-registration

Unfortunately, currently there are no internationally recognized regulatory classifiers standards, like HL7 and many others. Despite this, it will be highly appreciated to use the classification recognized internally.

The classification provides at least such advantages:

- Interoperability with other information systems
- Uniform reporting
- Sustainability

OpenRIMS provides a URL Assistance feature that allows growing the classification system using previous experience.

The URL notation of classifiers

A classifier looks like

retail.pharmacy.individual.registration

- **retail** - regulatory area – any retail business
- **pharmacy** – the form of retail business is a stationary point
- **individual** – form of property
- **registration** – apply for registration

In OpenRIMS this notation is called URL[1].

This approach is uniform for the classification of OpenRIMS features:

- Workflow definition
- Pages for an application form
- Electronic forms to collect additional information
- Components of electronic forms:
    - Dictionaries
    - Persons
    - Links
    - etc.

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[1] because it similar to Universal Resource Locator in Internet.

Usage of the URL Assistance

Where to find?

Forms that require input of classifiers in URL notation are available only for a supervisor user. For example:

URL
retail.site.owned.persons

Application URL
application.retail.site.owned.persons

Data Configuration URL
retail.site.owned.persons

Checklist Dictionary URL
dictionary.application.pharmacy.new.init

Figure 1 Registration application definition

To use the URL Assistance, press the [?] icon. The use cases are:

1. Define a new classifier using previous experience
2. Select an existing classifier
3. Define a completely new classifier

Examples are below.

Define a new classifier using previous experience

Suppose, it is necessary to define a data configuration that allows a legal entity to apply for retail internet pharmacy business.

Figure 2 How to use the previous experience to define a new URL for the application electronic form

1. The regulatory area "retail" is already defined and suits us
2. The previously defined retail.pharmacy classifier suits us
3. An existing URL does not suit us, however retail.pharmacy.individual.registration provides a good experience for a new classifier
4. Select it and edit it to fulfill the current need

Select an existing classifier

Suppose that it is necessary to place in a data configuration the pharmacy types dictionary. This dictionary is supposed to exist.

Figure 3 Select and preview an existing classifier

1. URL for any dictionary should start from the word "dictionary".
2. The "dictionary.pharmacy" suits us.
3. The "dictionary.pharmacy.type" may suit us.
4. There is only one dictionary that is suited to this classifier
5. Run a Preview to ensure it.
6. Preview it to ensure that the existing dictionary suits the task

Enter a completely new classifier directly

Use this when the experience for a particular classifier is absent. It is possible for an external HTTP link, completely new data configuration, dictionary, etc.

Suppose, it is necessary to input an external link https://google.com for the headers component

Figure 4 There is a new experience

1. Required experience is absent
2. Enter new classifier

Annex 1 How does OpenRIMS collect the experience?

The OpenRIMS collects experience in the database for:

- URLs defined for dictionaries
- URLs defined for data configurations
- URLs defined for application configurations
- URLs defined for resources

and union of all above.

The URL Assistant selects the right collected experience for a particular field. For example:

- General URL input field in the dictionary item – all experiences
- For dictionary definition – only dictionaries
- For application URL – only applications
- etc.

The distribution database contains only experiences related to system configurations. After the initial application will be uploaded, the experience from them will be collected. This experience is a good starting point to grow own's one.