Requirement Report - Details - simplified

Version •



05/08/2020 11:59:44 Eugeniu Costetchi meaningfy.ws



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sparql-ruvi

Package in package "

use cases

Package in package 'sparql-ruvi'

scenarios diagram

Use Case diagram in package 'use cases'

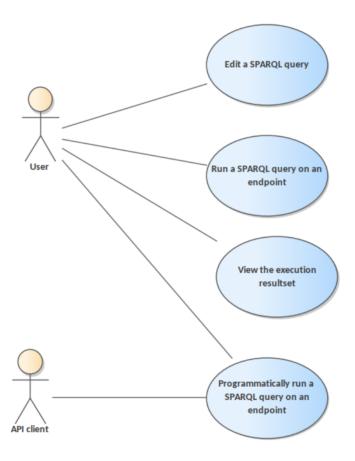


Figure 1: scenarios

Edit a SPARQL query

UseCase in package 'use cases'

As a User I can edit the SPARQL query in an efficient manner so that I can execute it.

SCENARIOS

SCENARIOS

🛱 Basic Path. service access

Given the service is available at URL (service URL)

When the service is accessed

Then a page with a SPARQL editor is d played

And the editor is pre-filled with the default queryText and the endpoint from the deployment configuration

🛱 Basic Path. user edits

Given a page with a SPARQL editor When user edits he query tex t

Then the query is validated

And hints with keyword or variable are provide on the fly

Run a SPARQL query on an endpoint

UseCase in package 'use cases'

As a user I can send a SPARQL query to a SPARQL endpoint.

SCENARIOS

🖁 Basic Path. Basic Path

Given a valid SPARQL query in the editor

When the user presses the run button

The query is sent to the SPARQL endpoint

And the response is received and displayed accordingly

View the execution resultset

UseCase in package 'use cases'

As a user I can view the resultset in an interactive manner to accomplish my business goal.

SCENARIOS

🛱 Basic Path. Basic Path

Given an execution response from the SPARQL endpoint

And the response is a resultset

When the response is rendered

Then an interactive table view is displayed

And it is possible to see the resultset in original format

And it is possible to download the reseultset

SCENARIOS

🛱 Exception. Error

Given an execution response from the SPARQL endpoint

And the response is an error

When the response is rendered

Then a detailed description of the error is displayed

Programmatically run a SPARQL query on an endpoint

UseCase in package 'use cases'

As a User or API client I can run a SPARQL query on a specified endpoint so that User can view the resultset.

SCENARIOS

📅 Basic Path. Basic Path

Given the service is available at a URL (service URL)

And the SPARQL query and the SPARQL endpoint are encoded as parameters on the service URL (service parameters)

When the service URL + service parameters is accessed

Then a page with a SPARQL editor is displayed

And the editor is pre-filled with the queryText and the endpoint from the parameters

And the service sends the request to the SPARQL endpoint

And shows the response resultset in a user friendly manner

The URL parameters:

endpoint - the SPARQL endpoint URL [mandatory]

method - GET/POST, POST default [optional]

queryText - the text of the SPARQL query in URL-encoded form [mandatory this or queryResURL]

queryResURL - the URL pointing to a text file containing the queryText [mandatory this or queryText]

interactions

Package in package 'sparql-ruvi'

query sparql endpoint diagram

Interaction diagram in package 'interactions'

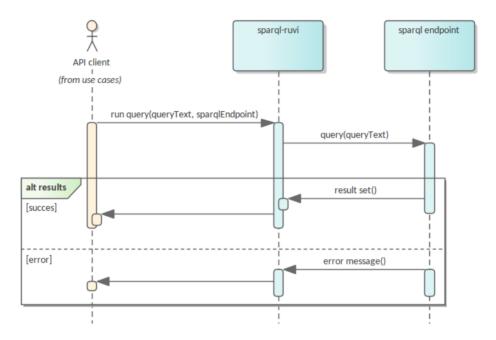


Figure 2: query sparql endpoint