



Metadata Editor

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Motivation

- Direct use of structured data is very impractical for scientists.
- Data integration into existing user-interfaces is timeconsuming and requires a deep knowledge of various technologies.
- Validation of metadata before sending REST requests represents a fundamental quality.

Aims

- Provide a Graphical User Interface (GUI) for a service.
- Intuitive and generic generation of forms based on provided JSON Schemas.
- Validation of JSON metadata.
- Execution of CRUD (Create, Read, Update, Delete) operations.

Method

- JavaScript library allowing the generation of web forms as well as the management of JSON metadata in an intuitive and generic way.
- Validate JSON metadata based on a developer-provided JSON schemas.
- Perform CRUD operations and additional operations in case further requirements need to be fulfilled.

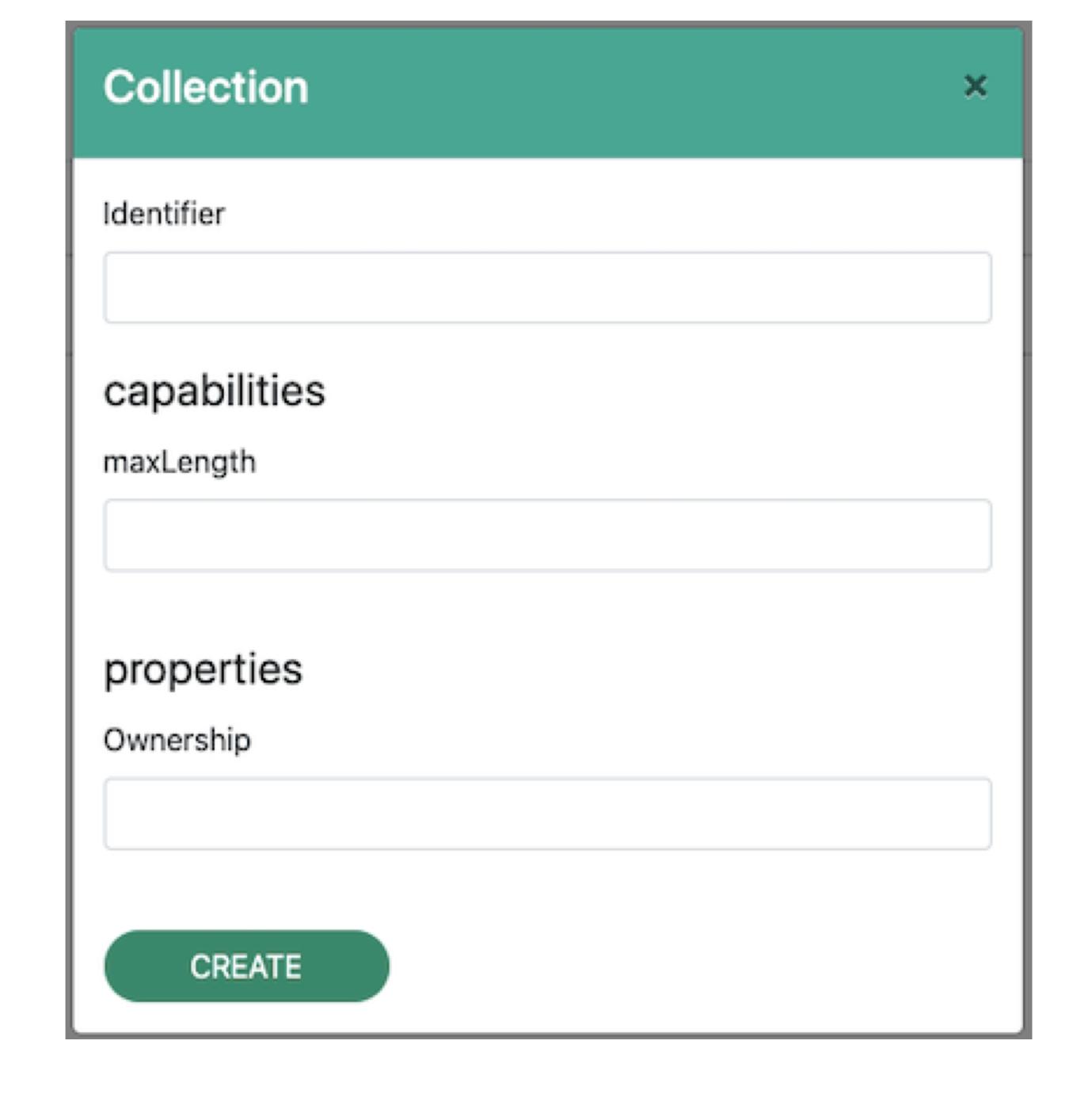
RDA Connection

- Adoption of the Collection Registry as a use case to test various functionalities of the editor.
- Collection Registry is an implementation of the Collection API recommended by the RDA Research Data Collections Working Group and has been developed at the Data Exploitation Methods department.
- Provide a GUI for the service to make the service easier-to-use and more intuitive for the scientists.
- Provide the JSON metadata through the generated web forms.
- Validation of the JSON metadata against a defined JSON schema enabling the user to provide correct inputs.

Example

JSON Schema "type": "object", "properties": { "id": { "type": "string", "title": "Identifier" "capabilities": { "type": "object", "title": "capabilities", "properties": { "maxLength": { "type": "number", "title": "maxLength" "properties": { "type": "object", "title": "properties", "properties": { "ownership": { "type": "string", "title": "Ownership"

Generated Form



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Metadata Editor: https://github.com/kit-data-manager/metadata-editor.git Collection API: https://github.com/kit-data-manager/collection-api.git

