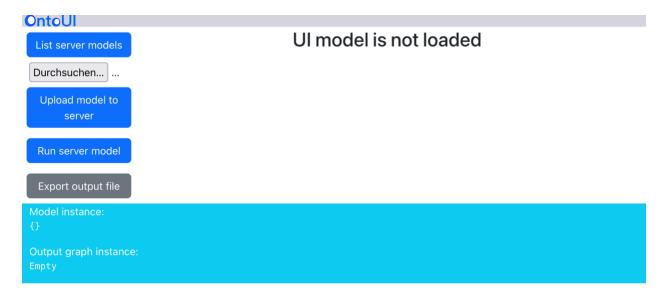
Project

ONTO-APP-MODELS

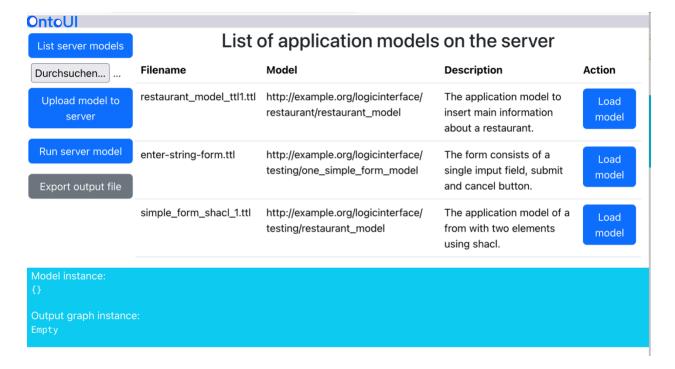
USER DOCUMENTATION

Starting the application in the application generator

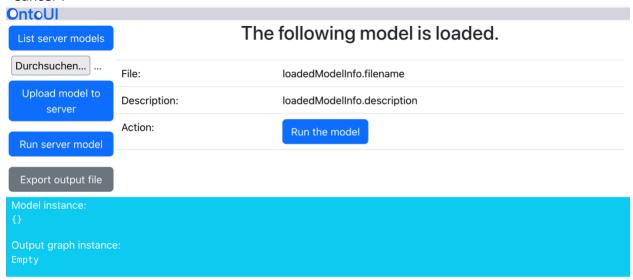
The application generator has the frontend and the backend part. It functions as a client server application. The end user opens the frontend part and has a dashboard of the OntoUI application generator. The user has an option to upload its own Form Application Model (FAM) or to choose a model from the list of models which are already stored on the server.



The selected model is loaded on the server when the user clicks "Load model" for the corresponding problem.

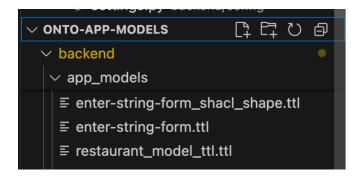


We can choose a basic use case with a single form input field and two buttons "Submit" and "Cancel".



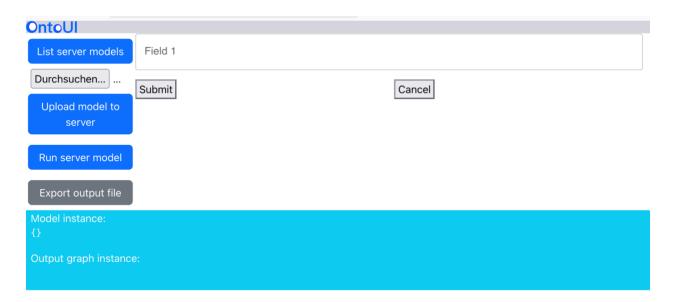
After the model is loaded. There is an option to "Run the model", which starts the corresponding application. We have chosen the following shacl shape that has a single property which is a v1:legalName of the v1:BusinessEntity in GoodRelations.

All models on the server are stored in the directory app_models:



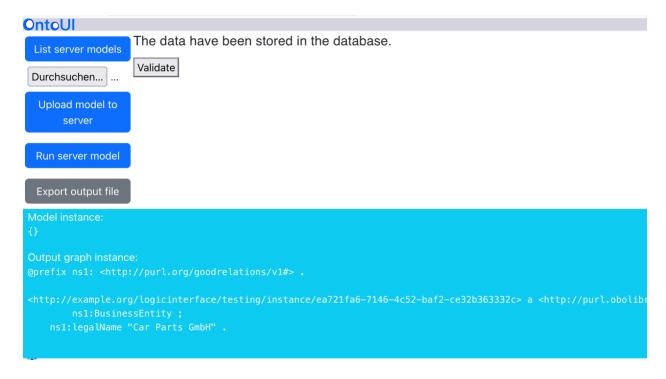
There can be seen that we have enter_string_shape.ttl and enter-string-form.ttl files. They are the SHACL file with shapes and extended application model respectively.

After the user runs the model it is generated user interface and in our example it is a form:



When the user enters a string in the input field and proceeds with the submit, the data is transferred to the server where new triples are added to the in-memory triple store.

The next screen of the application shows in the green area below what triples are inserted in the output knowledge graph. This window offers to the user option to start validation using a pySHACL library in the next step.



After the validation is initiated, we got the message that the created knowledge graph conforms to the SHACL shape above.

