Manual Wikidata Editor

Tool Link: https://www.wikidata.org/wiki/Special:NewEntitySchema

Reminder:

Wikidata is a knowledge source that stores mainly entities and properties. Entities are elements such as: people, countries, places, etc. Properties establish relationships between entities or between entities and other values such as simple types (e.g. age, child of, date of birth, etc.). Entities have a unique identifier which is given by the letter Q followed by a number (e.g. Q76 would represent "Obama"). Properties are also represented by a unique identifier which is the letter P followed by a number (e.g. P21 would represent "sex or gender"). The prefix wdt: is used for properties and the prefix wd: for entities.

For the creation of EntitySchemas (the name given by Wikidata to the schemas in ShEx) Wikidata offers us a text editor with the following appearance:

The editor corresponds to the last text box entitled Shape Expressions code. This editor will be the one we will use to perform the tasks. It does not offer any features for the creation of Shapes. However, we

can visualize our schema with colored syntax once it has been created. To do so, it will be necessary to name the EntitySchema in the Label section and click on the "Create" button:

Label:

test

Create

test (E355)

language code	label	description	aliases	edit
en	test			✏️ edit

```
<test>{
    wdt:P31 wd:Q5
}
```

We can edit the EntitySchema we have just created by clicking on the blue pencil icon that says edit on the right side of the page:

test (E355)

language code	label	description	aliases	edit
en	test			✏️ edit

```
<test>{
    wdt:P31 wd:Q5
}
```
check entities against this Schema | ✏️ edit

Unfortunately, this editor does not offer any extra functionality to work with Wikidata entities and properties. So if we want to reference a Wikidata entity or property we will have to look them up directly in the Wikidata page (https://www.wikidata.org/) to know their unique identifier:

Read View source View history

obama

Barack Obama *(Obama)*
44th president of the United States from 2009 to 2017

Obama
city in Fukui prefecture, Japan

WIKIDATA

Item Discussion

Barack Obama (Q76)

44th president of the United States from 2009 to 2017

Barack Hussein Obama II | Barack Obama II | Barack Hus:
Barack Obama | BHO | Barack | Barack H. Obama

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