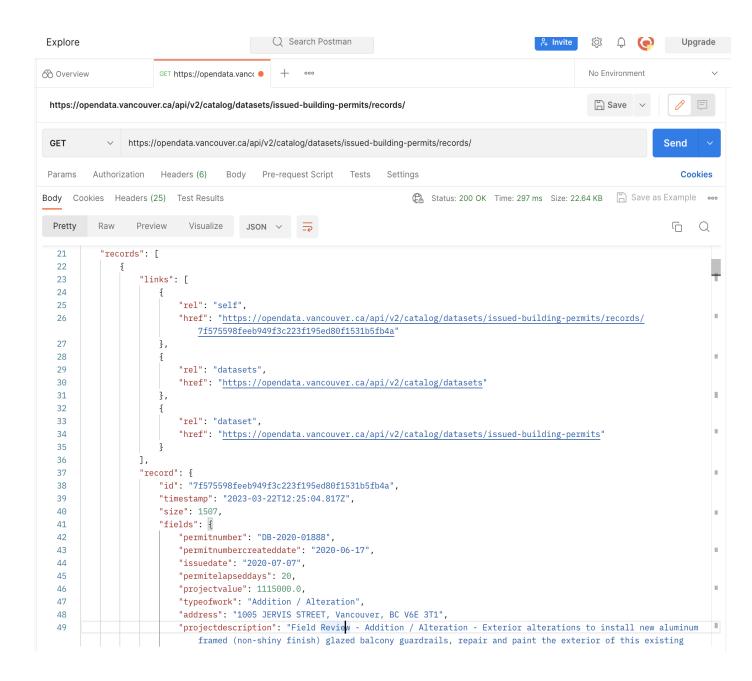
Source the Vancouver Permitting Data for Scraping

Date: 23rd March 2023 Author: Parul Sharma

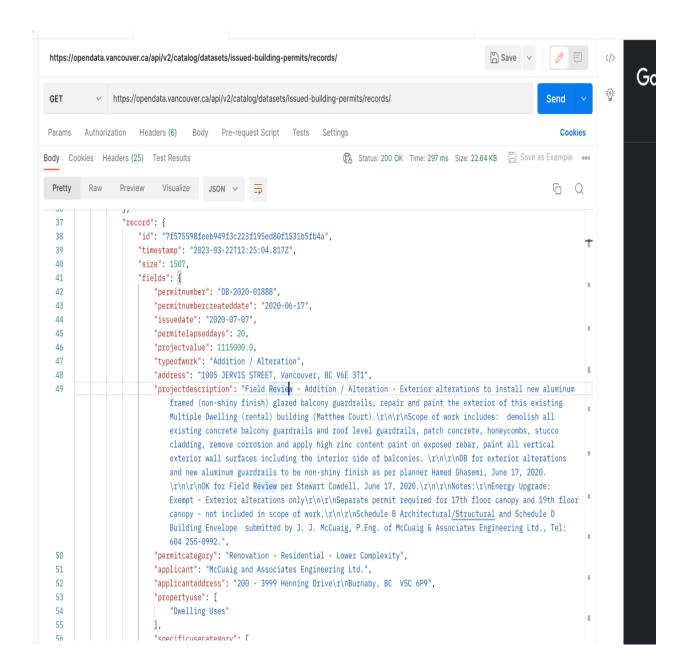
Overview: Our objective is to retrieve the "records" key using GET API and then automate the process using python and the libraries we are thinking to use are requests(for API interaction), json(read response), pandas and csv (output file).

One of the data source that we can use is	<u>DataSource</u>
	Full API console
	API documentation

Step 1) To retrieve the records, we fired "GET" command in postman and the output is shown below :-



The "records" key contains a nested json and the required fields like "permitnumber", "permitdescription", "applicant" are keys of "fields", key of "record" of "records" of "issued-building-permits" dataset id of "datasets". We need to flatten the nested json using python in order to extract the required data fields.



Step 2) Snapshot (below) of the automation we can do using python. The python library "requests" helps to interact with the API and the result is stored in a variable "response". Using "response.content" we can store our data, using the json library and json.loads(), in a variable "storedata". We can also flatten the json data and store it in pandas dataframe and write/export it in a csv file resulting in our required data fields.

