Requirments are: Flask==1.1.1 & flask\_restful==0.3.7

The REST Server is implemented inside REST\_Sever.py.

The REST Server is implemented using Flask micro-framework, the Sever is a Flask App.

The code import and uses all Database utility functions defined inside db\_utils.py.

I created a class for each API request, they are described below:

* Get\_all\_areas: This calls the get\_all\_area utility function and returns the result.
* Get\_location\_for\_area: This calls the get\_location\_for\_area function and returns the result.
* Get\_measurements\_for\_location: This calls the get\_measurements\_for\_location and returns the result.
* Get\_categories\_for\_area: This calls the get\_categories\_for\_area function and returns the result.
* Get\_average\_measurement\_for\_area: This calls the get\_average\_measurement\_for\_area function and returns the result.
* Get\_number\_of\_location\_in\_area: This calls the get\_number\_of\_location\_in\_area function and returns the result.

I added all possible rest requests to the Apps API, a combination specifying the Class handling the request and the URL for the request.

The code passes all 11 tests. Run test with python -m unittest test2.py.

Result of test:

