**Bulk Address Validator Api**

Tech Stack:

* Python
* Flask + Sqlalchemy(database)
* Mapquest API

Description:

This application can be called as API for max 5 address verification at a time. You can also see a form based address verification on home page (“/”). Home page will return longitude and latitude only.

The main API will return a dictionary which will include a list of dictionary inside it. The insider dictionary will include result in this below form:

**[  
{  
address\_line\_one,  
city,  
state,  
zip\_code,  
latitude,  
longitude  
},**

Status codes

**On success:**

When all the parameters are ok and it will find the result then it will return the dictionaries as results.

**Missing Parameters:**

The form cannot be submitted without all required fields in form page (“/”). If you submit the addresses through API then it will get the input and if some parameters are missing then it will try to find the results without that parameters (maps are able to find results e.g without city or states sometimes) and if it will not find any results then it will return the dictionary will empty longitude and latitude.

**Bad Requests:**

Bad requests will return empty array.

**How to run the application**

1. Install python3.6 or greater version.
2. Install requirements from “requirements.txt” file available in source code.
3. Run “main.py” file through python. You will see running application on “http://127.0.0.1:5000”
4. Run “bulk\_test.py” for verification of 5 sample addresses.

**End documentation.**