

## Instruction Document

### Packages for Python and Django

Numpy (pip install numpy)

Pandas (pip install pandas)

Geopandas (some of it's pre-requirements) (pip install geopandas)

Shapely (pip install Shapely)

Django (pip install django)

Django rest framework (pip install djangorestframework)

Django numpy (pip install django-numpy)

Django rest multiple models (pip install django-rest-multiple-models)

### Instructions

1. Download the git folder corona\_project from:  
<https://github.com/GoCorona-org/Backend/tree/sanjanamoha/api>
2. In Command terminal
  - a. Go to the directory \$ ./corona\_project
  - b. Run: python manage.py makemigrations corona\_app
  - c. Run: python manage.py migrate
  - d. Run: python manage.py runserver
3. Open <http://127.0.0.1:8000/> (No homepage rn)
4. Goto: [http://127.0.0.1:8000/corona\\_app](http://127.0.0.1:8000/corona_app) (This redirects to the intersection calculator page)
5. To see the results for the intersection calculator goto: [http://127.0.0.1:8000/corona\\_app/result/](http://127.0.0.1:8000/corona_app/result/)
6. For medical form page: [http://127.0.0.1:8000/corona\\_app/medmap/](http://127.0.0.1:8000/corona_app/medmap/) \*\*
7. To see the result goto: [http://127.0.0.1:8000/corona\\_app/medmap/<int:id>](http://127.0.0.1:8000/corona_app/medmap/<int:id>) \*\*\*

\*\*This form saves each form entry as 'i'th form and to see result of ith entry see \*\*\*

\*\*In this form airports, country and states have to be filled in the same format as given in the csv files with the corona\_project folder

\*\*\* To see the result for your nth entry (say 1st form) type [http://127.0.0.1:8000/corona\\_app/medmap/n/](http://127.0.0.1:8000/corona_app/medmap/n/)  
(eg: [http://127.0.0.1:8000/corona\\_app/medmap/1/](http://127.0.0.1:8000/corona_app/medmap/1/) )