

This document describe how to starting using this api in your local computer

Docker database configuration

step 0: **After the repositories downoladed unzip it and open a terminal in the extracted folder**

step 1: **Install docker in ubuntu and pull a mysql image**

after the installation of docker on your local machine, pull the latest MYSQL image into it. [docker documentations](#)

step 2: **create docker container to hold the database**

in your teminal :

```
$ docker run --name=api_database -e MYSQL_ROOT_PASSWORD=Password -p 3306:3306 -d mysql
```

step 3: **create and migrate the database to docker container**

connect to mysql container :

```
$ docker exec -it api_database mysql -uroot -pPassword
```

create database inside MYSQL container:

```
mysql> CREATE DATABASES api_database;  
mysql> EXIT;
```

step 3: migrate the dump database into mysql container :

```
$ docker exec -i api_database mysql -uroot -pPassword api_database < api_database.sql
```

Install python requirment and lunch the api

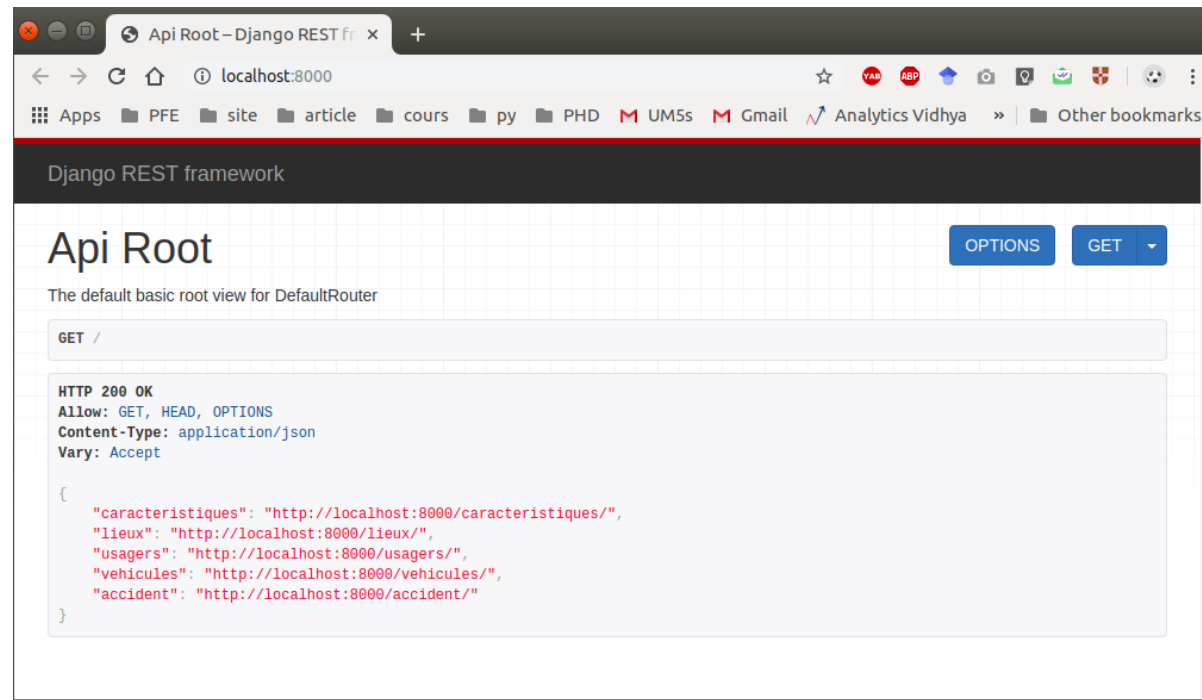
Python and Django Configurati on

For the python and Django configuration:

Open terminal in extracted folder :

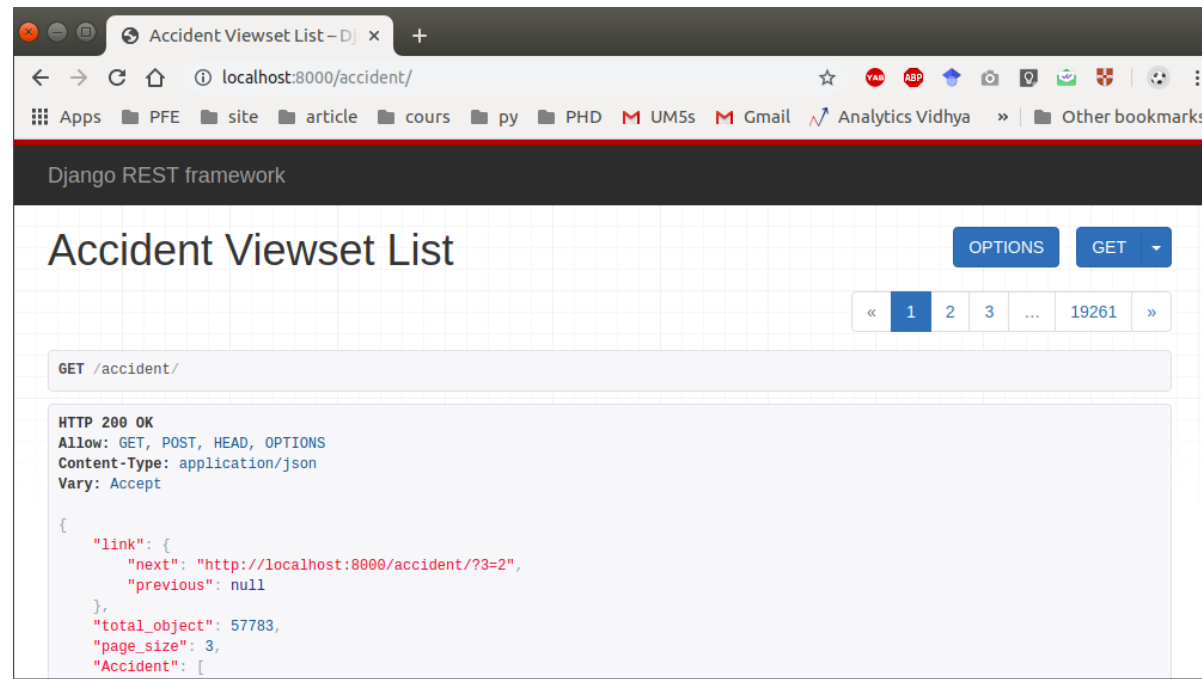
```
$ chmod +x djanog_conf.sh  
$ ./django_conf.sh
```

Finally visit (<http://localhost:8000>)

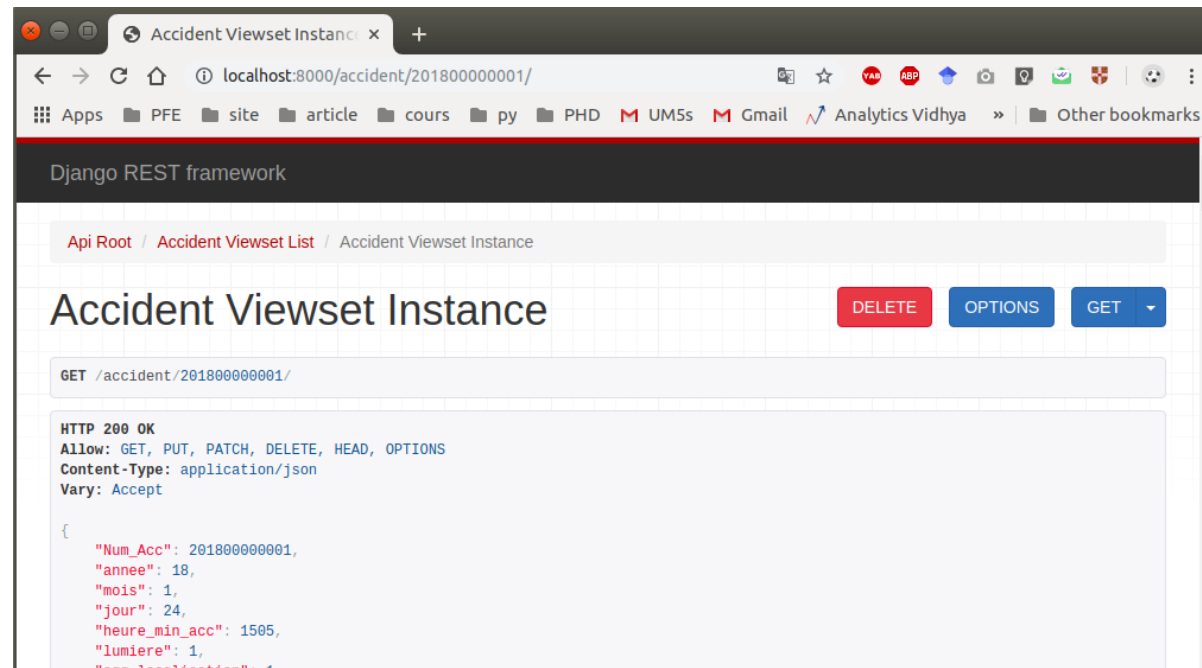


Illustrations :

Get all the information about the accidents, 5 accident per page



Get all the information about the accident 201800000001, and we can edit it



Interact with the api using Termianl

```
$ curl -v localhost:8000/accident/201800000001/
```

```
aelma@aelma: ~/Desktop/happi_3-master/happ_3
aelma@aelma: ~/Desktop/happi_3-master... x aelma@aelma: ~/Desktop/happi_3-master... x +
> Host: localhost:8000
> User-Agent: curl/7.64.0
> Accept: */*
>
< HTTP/1.1 200 OK
< Date: Sun, 03 Nov 2019 23:06:40 GMT
< Server: WSGIServer/0.2 CPython/3.6.8
< Content-Type: application/json
< Vary: Accept, Cookie
< Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS
< X-Frame-Options: SAMEORIGIN
< Content-Length: 685
*Connection #0 to host localhost left intact
{"Num_Acc":201800000001,"annee":18,"mois":1,"jour":24,"heure_min_acc":1505,"lumiere":1,"agg_localisation":1,"intersection":4,"atmosphere":1,"collison":1,"commune":5,"adresse":"route des Ansereuilles","gps":"M","latitude":5055737,"longitude":294992,"departement":590,"cat_route":3,"voie":41,"v1":"","v2":"C","circulation":2,"nbv_total":2,"pr":0,"pr1":0,"vosp":0,"prof":1,"plan":3,"lartpc":0,"larout":0,"surf":1,"infra":0,"situ":1,"env1":0,"place":1,"catu_usager":1,"gravite":3,"sexe":1,"trajet":0,"secu":11,"localisation_pie":0,"action_piet":0,"etatp":0,"annee_nais":1928,"num_veh_usager":"B01","senc":0,"catv":7,"occutc":0,"obs":0,"obsm":2,"choc":3,"manv":1,"num_veh_vehicule":"B01"}
aelma@aelma:~/Desktop/happi_3-master/happ_3$
```

In []: