# Technical test Django/React :

The context of this test is to provide a simple web service for storing and retrieving mountain peaks.

Using the python web framework Django and a postgresql database(postGIS can be used for geo features), implement the following features:

- models/db tables for storing a peak location and attribute: lat, lon, altitude, name

- REST api endpoints to :

    \* create/read/update/delete a peak

    \* retrieve a list of peaks in a given geographical bounding box

Then using React, implement the following features:

- Display some mountain locations on a map

- On click on a mountain location, display mountain attributes: lat, lon, altitude, name

- Allow users to add manually a mountain peak directly on the map

Deploy all this stack using docker and docker-compose

The source code should be delivered using github with detailed explanations on how to deploy and launch the project.

NOTES PROJET MFI

Tuto pour creation d’une api REST CRUD avec Django djangoframework

<https://dev.to/jkaylight/django-rest-framework-with-postgresql-a-crud-tutorial-1l34>

docker-compose run web python manage.py makemigrations

docker-compose run web python manage.py migrate

docker-compose up –build

3 services tournent:

* Restapimountainpeaks\_db\_1 qui correspond à la bdd postgresql
* Restapimountainpeaks\_react