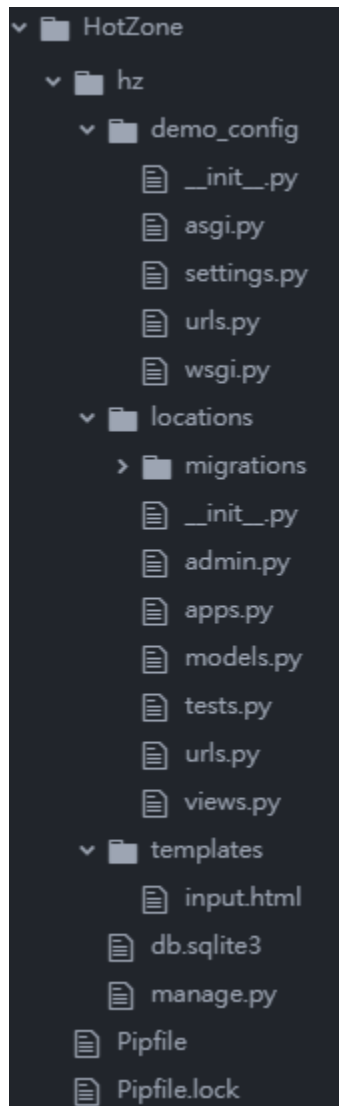


# HotZone Release 1 Sprint 1

Contributors:

Wong Ka Ngai (UID 3035568881)



Django project root **hz**, readme.pdf and README.md is included in this zip file

## Installation

Use the package manager to install requests for Python 3 before running the source code.

pip3 install requests

## Function

<http://localhost:8000/locations/find>

There is only one input field. Input the location name and click the Go button. If HTTP response is successful, name, address, x-coordinate and y-coordinate of the location will be saved into the database.

A message under the input field will be shown to tell the user that data are saved to the database.

**\*\*Example Message\*\***

## HotZone Geodata Input

**HTTP response is successful, connected to Geodata Location Search API.**

Location **The University of Hong Kong Chong Yuet Ming Physics Building**  
with address **THE UNIVERSITY OF HONG KONG**  
at X-coordindate: **832459** ,Y-coordindate **816024**  
is found and imported to database.

## Admin panel

<http://localhost:8000/admin>

username: admin

password: admin

Data are stored in model **Geodata** with attributes name, address, Xcoor, Ycoor.

```
name = models.CharField(max_length=200)
```

```
address = models.TextField()
```

```
Xcoor = models.DecimalField(max_digits=20, decimal_places=10)
```

```
Ycoor = models.DecimalField(max_digits=20, decimal_places=10)
```

Name:

The University of Hong Kong Chong Yuet Min

Address:

THE UNIVERSITY OF HONG KONG

Xcoord:

832459.0000000000

Ycoord:

816024.0000000000

Delete

Save and add another

Save and continue editing

SAVE

## Assumptions and limitations

- Assume that there is only one GeoData location that satisfies the search criteria.
- Assume that every location input is not already known to HotZone.

If there are multiple GeoData locations that satisfy the search criteria, it selects the first one.

If user input the same location twice, the database will have two identical records.

Also, as this is just a "Tracer Bullet", the design is not beautiful, but it serves the purpose.