Python skill check (optional): Advanced Python

Objective: Check your understanding of **generators**, **unit testing** and `requests`.

Architecture: Your code will consist of one module. This document contains the specification for the first module.

Module 1: `advanced_python_1.py`

Write a function that takes as input a tuple of GPS coordinates in the format (`latitude, longitude`), and prints out the **current weather** at that location. Somewhere in your script, you should include a function that has the following signature:

check_weather(coordinates) => (no output)

`coordinates`	a tuple of GPS coordinates
`check_weather`	a function that prints the current temperature and humidity at the location indicated by `coordinates`

Your module can contain additional functions, but you must have **check_weather()** somewhere in your script.

Requirements: This module should make use of **exception handling**. If the weather API you're using returns an error, or if you provide invalid GPS coordinates, any resulting errors should not cause your program to crash.

Hint 1: To access the weather data you need, we suggest using **OpenWeatherMap**:
http://openweathermap.org/api

Hint 2: Any time you need to send a request to an API, the best way to do it is by using the Python `requests` package. It's designed to access information on the Internet in a way that's easy for you to keep track of. You can find the documentation and install instructions here: http://docs.python-requests.org/en/master/. It's nice and easy to learn!

Once you've completed this exercise, send it to **@yazabi** and we'll give you feedback on your code!