Microservices Flask API application:

- Download Hotels Review dataset.
    - Use only 7282_1.csv file
    - From this file, take only data with “Hotels” value in “categories” column
- Write a Flask API with two different components/services;
    - Hotel Review Tone Analyzer
    - Hotel Indexer
- **Hotel Tone Analyzer:**
    - A service with one endpoint to get the total emotional tones for a hotel, as described in the next step
    - Calculate the normalized total tones for the hotel using (Watson python lib). This lib will give you a normalized score for the detected tones, aggregate them all and get a final score.
        - For example, if review #1, for a specific hotel scored 0.25 angry, and 0.80 sad
        - Review #2 scored 0.7 happy, and 0.65 sad
        - Review #3 scored 0.2 happy, 0.7 angry, and 0.4 sad
        - So the total normalized tones for this hotel is 0.47 angry, 0.45 happy, and 0.62 sad
        - To have an insight on the tones, try this (web interface), but don’t use this interface in the task
- **Hotel Indexer:**
    - Have a quick look first on what is ElasticSearch, and how it works
    - When I hit this endpoint it should use ElasticSearch to index all data found in dataset for each hotel
    - Each hotel MUST have ONLY one document with all its data, including data obtained from Watson lib.

For any technical questions, contact islam.heggo@homzmart.com