Coding Problem Set – 2 (Hotel-Search)

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Tools needed to run:

Browser: chrome

Environment: JRE+JAVA

Technology Used:

Backend: Spring Boot

Build: Gradle

Editor: Intellije Idea, Swagger

Steps to Run:

1. Download project and unzip it

- 2. Open terminal in project directory and do "cd Hotel-Search" to go inside project folder
- 3. Do "gradlew clean build" to build the project
- 4. Do "java -jar build/libs/Hotel-Search-0.1.0.jar ---spring.config.location=/build/resources/main/application.prop
 erties" to run project in localhost
- 5. Go to http://localhost:9000/ in browser to see welcome message



Other APIs and Features:

1. Get hotel by Id: type following in browser to see a hotel by its Id http://localhost:9000/hotel/CL8ZWELDOBFMP3PDF5IS/3

Note: "CL8ZWELDOBFMP3PDF5IS" is API key and "3" is hotel Id.



If hotel with given Id does not exist then following response can be seen.



2. Search hotels by City Id: as City Id is given in the csv file, I am considering City Name for filtering. Type following in browser to see the list of hotels in the given city

http://localhost:9000/all-

hotels/CL8ZWELDOBFMP3PDF5IS/Ashburn

Note: here "CL8ZWELDOBFMP3PDF5IS" is API key and "Ashburn" is given city.

To see this same list in sorted in ascending order based on price, add query parameter "sort=ASC" or "sort=asc" in URL making:

http://localhost:9000/all-

hotels/CL8ZWELDOBFMP3PDF5IS/Ashburn?sort=ASC

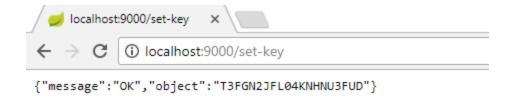


To see this list in sorted in descending order based on price, add query parameter "sort=DESC" or "sort=desc" in URL making:

http://localhost:9000/all-

hotels/CL8ZWELDOBFMP3PDF5IS/Ashburn?sort=DESC

3. Also made API to create API Key generated from a random string of length 20.



4. Implemented the limited rate to call first and second APIs.

Maximum time for requesting API "max-count"=10 and time for suspension "suspension-time"= 5 min= 300000 milliseconds is set in "application.properties" file.

For other details, please see code.

Thankyou,

Sushil Verma