

Like Average

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Github repository: <https://github.com/muzikworm/APProject2.git>

Execution of Code: run index.html in the source folder

Plan of action:

Accessing latest post for a logged in user. Using Access token provided.

Checking for number of likes and Keywords from the post.

Narrow it down to average number of likes per key word.

Implementing RestFB. An easy to use Facebook Graph API library, made for java.

Algorithm (brief):

1. Total Number of Likes/ total number of post: this shows average number of likes on a user's post.
2. Post Specific results: Get description for the Post and remove stop words. Finding the most probable words and average like on the post, with those keywords.
3. Type specific result: whether it was a photo, status, link, event etc., and average likes received on them.

Sources:

Stop Words List: <https://code.google.com/p/stop-words/>

RestFB Library: <http://restfb.com/>

JSTL tutorial: <http://viralpatel.net/blogs/iterate-hashmap-using-jstl-foreach/>

StopWords File: http://tonyb.sk/_my/ir/stop-words-collection-2014-02-24.zip

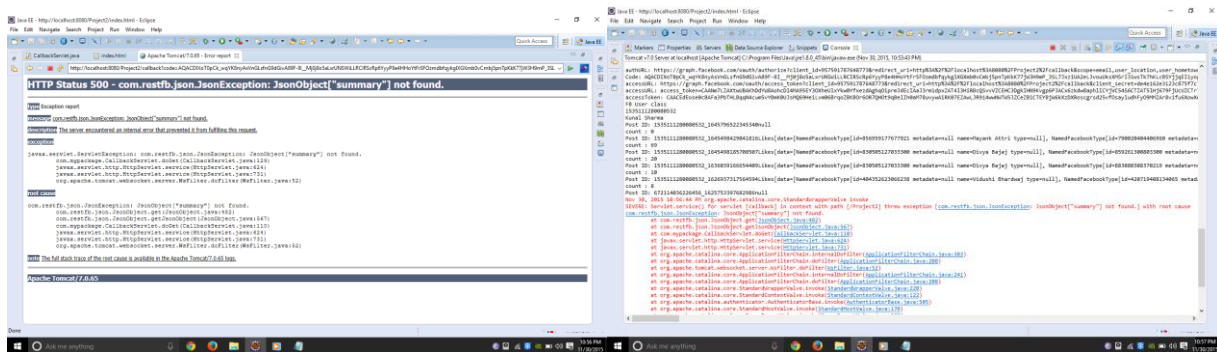
Technical Details:

Languages: Java, Html, XML

External JAR needed: RestFB; JSTL

Errors Encountered:

1. Json object wasn't responding: gave a few result (as in console screenshot) and then unexpectedly shuts down, giving error(as in error page screenshot)



Steps Taken to solve: surrounded it with try/ catch clause to handle exceptions

- Facebook only sends a limited number of data for :

```
JsonObject jsonObject = facebookClient.fetchObject(post.getId() +
"/likes",JsonObject.class, Parameter.with("summary", true),
Parameter.with("limit", 1));
long count = jsonObject.getJSONObject("summary").getLong("total_count");
```

Limited the number of likes count to 25.

Steps taken to solve: surrounded with try catch clause for null pointer exception.

Result: Now I get upto 100 likes upperbound limit on post.