

How To Setup and Execute the Expert Finder Application

1. Extract zip file into a folder.
2. Open command prompt, browse to the directory where expertiseExtractor.jar got extracted
3. Execute command "java -XX:MaxPermSize=3G -Xms256m -Xmx6G -XX:-UseGCOverheadLimit -jar expertiseExtractor.jar"

```
S:\NLP\Source_Code\Final_Project>java -XX:MaxPermSize=3G -Xms256m -Xmx6G
-XX:-UseGCOverheadLimit -jar expertiseExtractor.jar
Reading POS tagger model from
resources/POS_Tagged_Model/english-bidirectional-distsim.tagger ... done [1.2 sec].
```

4. This Would lead to following Message, Please provide Path of questions Json File from the folder called "Sample Input and Outputs". The process would now index all the questions from downloaded file.

Please provide complete Path of Json for Indexing :

```
S:\NLP\Source_Code\Expert_Finder\src\main\java\resources\question1Subset.json
```

Initializing Extraction of Experts and their Expertise.....

32987968

2960660-->[request:[23.0], server:[11.5], JSON:[46.0], requests:[23.0], CORS:[11.5], client side angularjs:[11.5], Java Server:[23.0], end:[11.5], front:[11.5], Spark:[11.5], routefilter:[11.5], HTTP GETPOST:[23.0], SparkJava application:[11.5], order:[11.5]]

Filename->S:\NLP\Source_Code\Final_Project\UserExpertiseTest.json

5. Select option for Providing Path to the json in which Question is stored. This question is the one for which we need to predict the user who is capable of answering this question.

Please select 2 for providing Path to the Question JSON, 3 to exit: 2

Please provide complete Path of Question Json:

6. Provide path of the Question json.

```
S:\NLP\Source_Code\Expert_Finder\src\main\java\resources\testQuestion1.json
```

Ontology found in the question {[CORS[2], call[1], state change[1], Immutability[1], angularJS[1], class[1], respect[1], order[1]]}

Primary Skill Set identified: [CORS, call, state change, Immutability, angularJS, class, respect, order]

Found 1 hits.

1. 2960660 [Java[11.5]] [request[23.0], order[11.5], front[11.5], SparkJava application[11.5], routefilter[11.5], CORS[11.5], server[11.5], JSON[46.0], Spark[11.5], requests[23.0], HTTP GETPOST[23.0], end[11.5], client side angularjs[11.5], Java Server[23.0]]

Input Data Sets Used

1. Final_Project\Sample Input and Outputs\questions.json - Expertise_Index_113 data points Training data set. Used for accuracy verification and tuning.
2. question_1.json - Master Data Set - more than 900 Items.It is part of the
3. Input Data sets from Report -
 - a. train_questions1.json - test_question1.json
 - b. train_questions2.json - test_question2.json

Please note: Index needs to be manually deleted before performing next indexing and searching.