## Instructions on running recommender system

The zip file contains 3 R scripts and 3 R objects (Rdata) files. The function\_script.r file will run the recommender system, while evaluation.R contains the code on the evaluation of model that is taken place offline. recosystem.R is the combination of both scripts.

**Loading libraries and R objects**

The following libraries are used in this project. They are required to be installed and will be loaded at the start of the script.

* recosystem
* lsa
* proxy
* rjson
* tm
* dplyr
* magrittr
* data.table
* wordcloud
* RColorBrewer
* recosystem
* wordcloud
* shiny

**Steps to run restaurant recommender**

1. Open function\_script.r
2. Load libraries and objects by executing lines 1-10.
3. From line 13, execute the script in sequence. The last line shinyApp(ui, server) will render an interactive screen.
4. In the interactive screen, there are two input fields for the user to input cuisine and some keywords on his or her preference. Both inputs are required.
5. Click on the button ‘Get restaurants’ and a list of restaurants will be generated (sample screenshot below)

