**Product Recommender Engine**

**Teams:**

Lakshmi Udupa 800956319

Shreyas Subramanya Bhat 800958406

**Input files:**

* Cosine-similarity method:
  + ratings2.csv
* Alternating least squares method:
  + ratings\_als.csv
  + metadata.csv
  + Single\_user\_rating.txt

**Steps to execute:**

* Cosine-similarity method: To execute recommenderEngine.py

1. Place the input file in the hdfs

sudo hdfs dfs -put <file\_name> /user/root/

2. To run the recommenderEngine.py

spark-submit --driver-memory 2g recommenderEngine.py ratings2.csv 9994 0439893577 > test.out

* Alternating least square method: To execute recommenderEngine\_ALS.py

1. Place the input file in the hdfs

sudo hdfs dfs -put <file\_name> /user/root/

2.To run the recommenderEngine.py

spark-submit --driver-memory 2g recommenderEngine\_ALS.py new\_data.csv meta\_data.csv personalRatings.txt > output.out