Report for Lab Assignment 9

1.

QUESTION:

Image collection and sentimental analysis based on the image tags using Instagram streaming (related to your project)
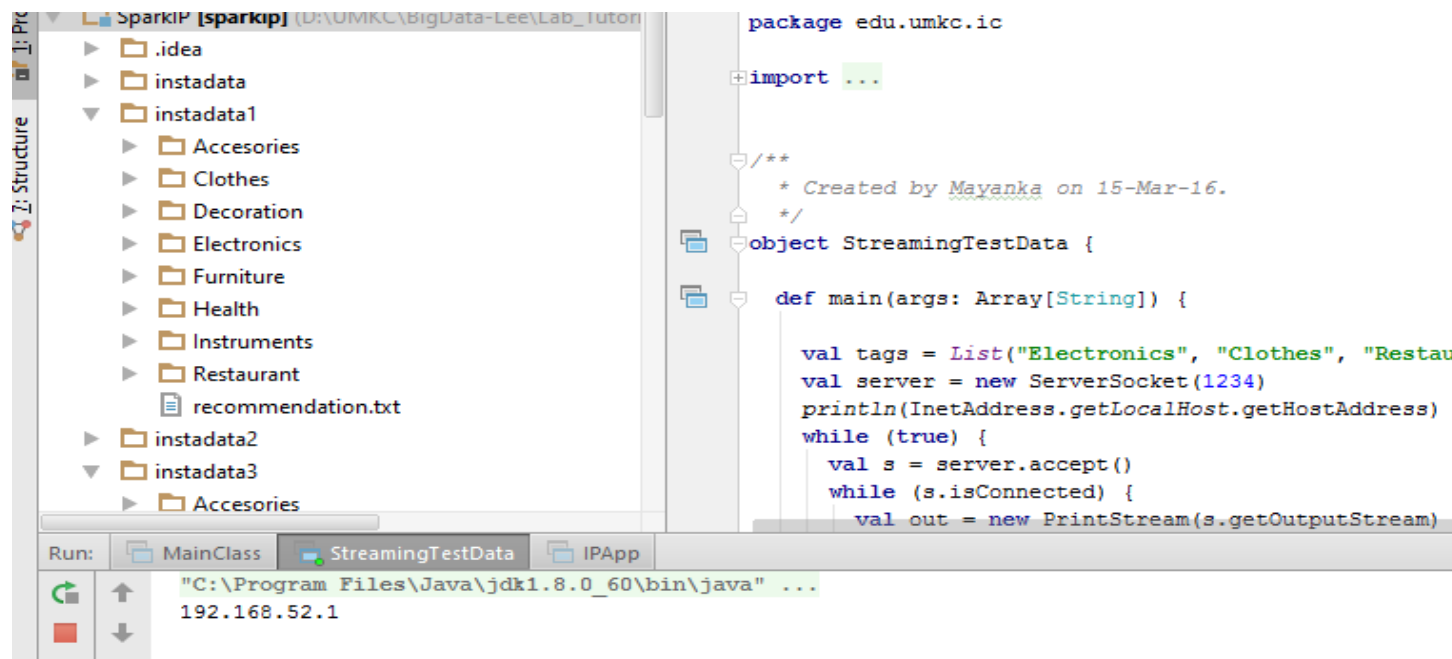a. Training Datasets: Instagram Streaming/Categorized Image (e.g., Static UEC Food Dataset) and meta data
b. Testing Datasets e.g., Image, UserGroup, Category, Rating (Instagram streaming)

DESCRIPTION:

Image Collection and sentimental analysis is done based on the image tags #electronics, #furniture #accessories, #Furniture as shown in the screenshots below.

SCREENSHOT:

Testing Data:

Training Data:

MainClass   StreamingTestData   IPApp

"pkelese_buddy";"Hope #electronics #chill #sun #niallers";Electronics;1;"https://scontent.cdninstagram.com/t51.2885-15/e15/12424440_160114707348
https://scontent.cdninstagram.com/t51.2885-15/s640x640/sh0.08/e35/917427_639416506212748_447450416_n.jpq?iq_cache_key=MTIxNDYOMzI2NTYyNjc1MTYvMw
url is valid

"modmostmusic";"#pizza #goodnight #most #Paris #musicproducer #clubbing #music #electro #beatmaker #sampler #Paris #producers #love #kiss #musi
https://scontent.cdninstagram.com/t51.2885-15/s640x640/e15/917542_1083054418422359_294149805_n.jpq?iq_cache_key=MTIxNDYOMTIOMzMyNjc1OTQ2OQ%3D%3D
url is valid

"applied_electronics";"Hack does not always mean that you ruin something. Sometimes it means that u take the power way beyond its limit ☐☐ #SPAR
https://scontent.cdninstagram.com/t51.2885-15/s640x640/sh0.08/e35/12383349_1533803800256246_85437937_n.jpq?iq_cache_key=MTIxNDYOMjU2MTg3MzMzNzA1
url is valid

"kidd_aitm";"#KIDDAITM #recycledart #vintagemagazine #marines #electronics #computer #geek #marinetime #ship #bout #lifeguard #sail #red #matche
https://scontent.cdninstagram.com/t51.2885-15/s480x480/e35/10995079_257970514537134_750291807_n.jpq?iq_cache_key=MTIxNDYOMTg2MDI5NTM2NzUyMv%3D%3
url is valid

"dealsbyron";"iPhone 5 - $150.00 \niPhone 5c - $150.00 \niPhone 5s - $200.00 \niPhone 6 - $200.00 \niPhone 6+ - $225.00 \nIPhone 6s - $250.00\n
https://scontent.cdninstagram.com/t51.2885-15/e15/12905120_1685014211752709_811297736_n.jpq?iq_cache_key=MTIxNDYOMTI4MDqzNDA0MDI1Mv%3D%3D.2
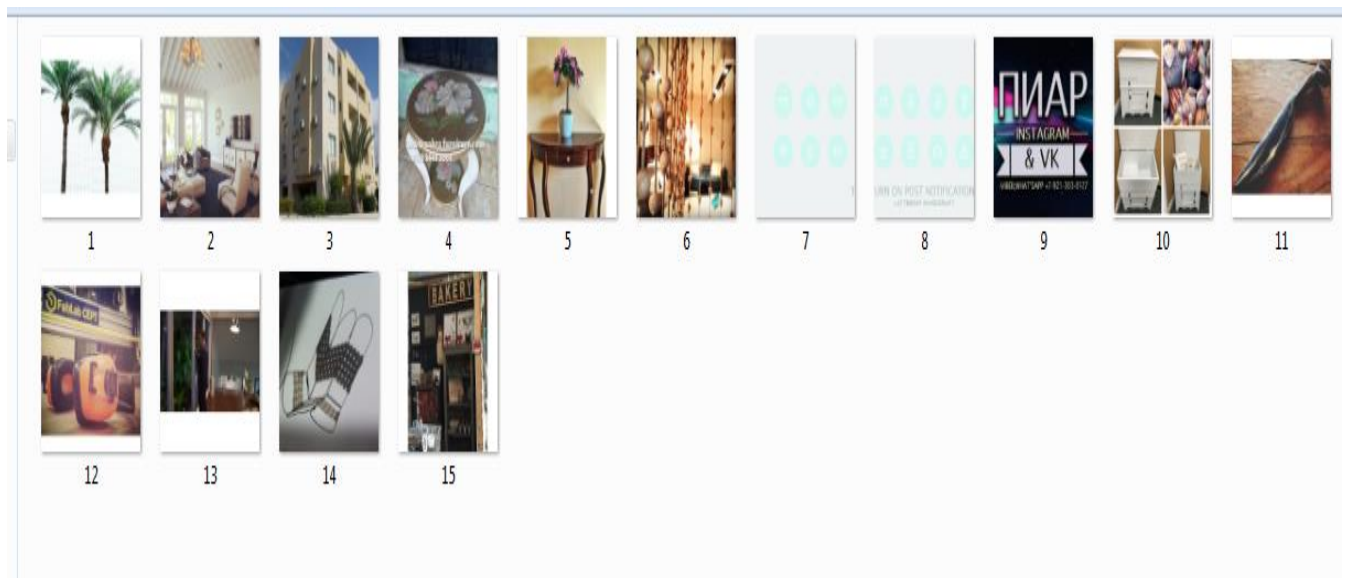url is valid

"ymoneybagshawty.barreto";"goal #sneakerholics #light #traveling #electronics #kik";Electronics;1;"https://scontent.cdninstagram.com/t51.2885-15
https://scontent.cdninstagram.com/t51.2885-15/s640x640/sh0.08/e35/12224415_867350900057208_1414230531_n.jpq?iq_cache_key=MTIxNDYOMDqzMDU4MDY2MjB
url is valid

"nikolbarbieri2";"Apple Store\n#iphone #apple #iphoneonly #InstaTags4Likes #appleiphone #ios #iphone3g #iphone3gs #iphone4 #iphone5 #technology
https://scontent.cdninstagram.com/t51.2885-15/s480x480/e35/12912815_1057599980977907_981357740_n.jpq?iq_cache_key=MTIxNDYOMTA2Njc5NzI3MDQ3NA%3D%
url is valid

{"username":"sofiaviscardi","username":"lorenzojaredpaggi","username":"gliocchidellaviscardi"};"#jafia ☐☐☐\n-\nI loro sorrisi, i loro sguardi ☐

Image Collection:

Sentiment Analysis:


```java
private String toCss(int sentiment) {
    switch (sentiment) {
        case 0:
            return "sentiment : very negative";
        case 1:
            return "sentiment : negative";
        case 2:
            return "sentiment : neutral";
        case 3:
            return "sentiment : positive";
        case 4:
```

```
Run    SentimentAnalyzer

Adding annotator ssplit
Adding annotator parse
Adding annotator sentiment
Mar 29, 2016 11:17:14 PM edu.stanford.nlp.process.PTBLexer next
WARNING: Untokenizable: ? (U+D83D, decimal: 55357)
Adding annotator tokenize
TweetWithSentiment [line="ayur_efulkin";"Shamballa bracelet \"Uno!\"\nFor all questions - Direct Messages ▯ or Fb ▮▯\n#ayurefulkin ▯ #efulkishamballa \n#handmade #handmadewit
Adding annotator ssplit
Adding annotator parse
Adding annotator sentiment
Mar 29, 2016 11:17:15 PM edu.stanford.nlp.process.PTBLexer next
WARNING: Untokenizable: ? (U+D83D, decimal: 55357)
TweetWithSentiment [line=#fashionblogger #ootd #roses #hydrangea";accessories;1;"https://scontent.cdninstagram.com/t51.2885-15/s320x320/e35/12328505_139225856472328_1132801519_
{"username":"chloeandisabel","username":"oldnavy","username":"blondeamazonjewelry","username":"blondeamazonjewelry"};"Tuesdays graphic tee brought to you by @oldnavy ▯ #blondea

Process finished with exit code 0
```
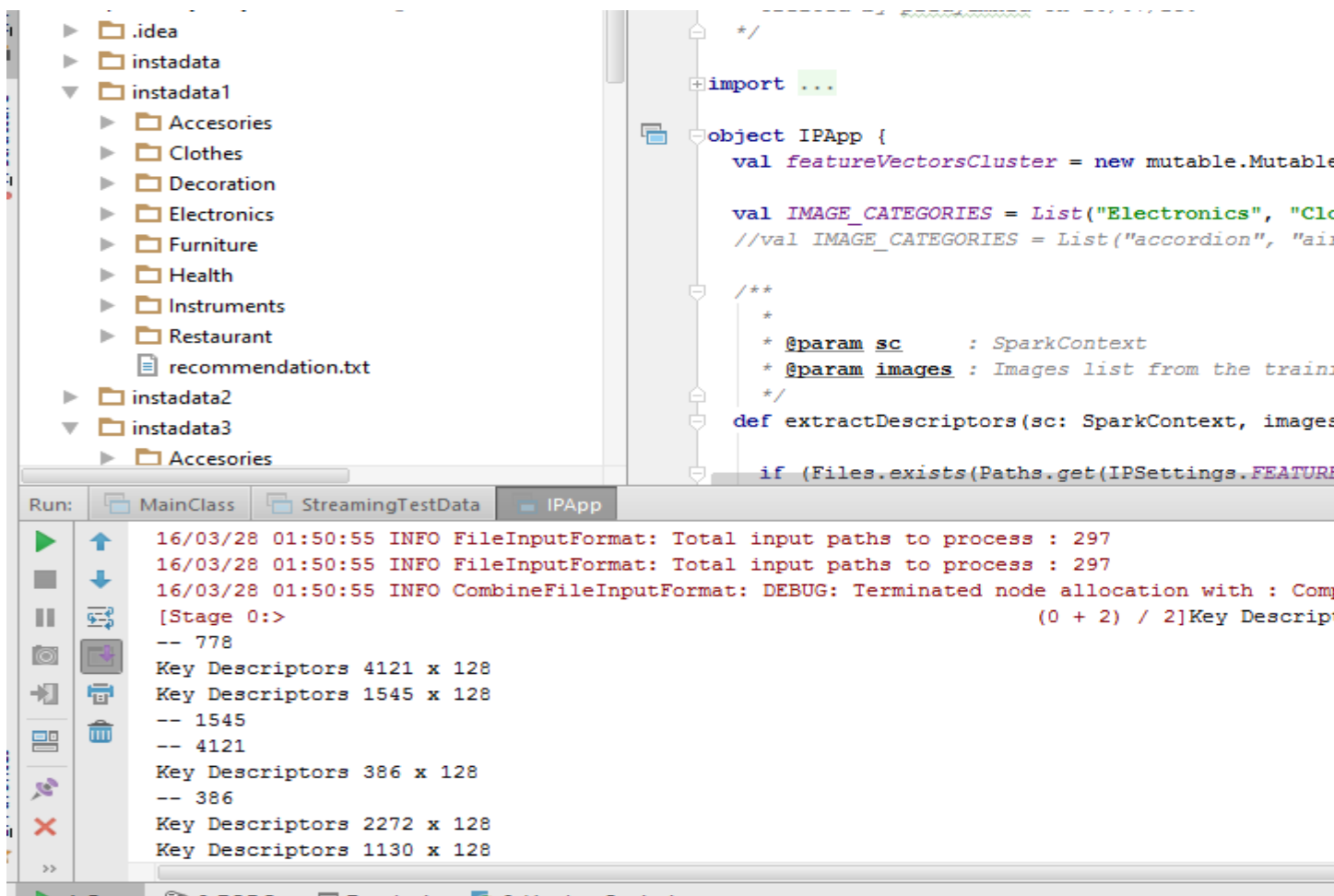
2.

QUESTION:

Image Classification based on the categories related to your project

DECRIPTION:

Categories are divided according the type of object it is like electronics, furniture, named boards and all which are used in shopping malls.
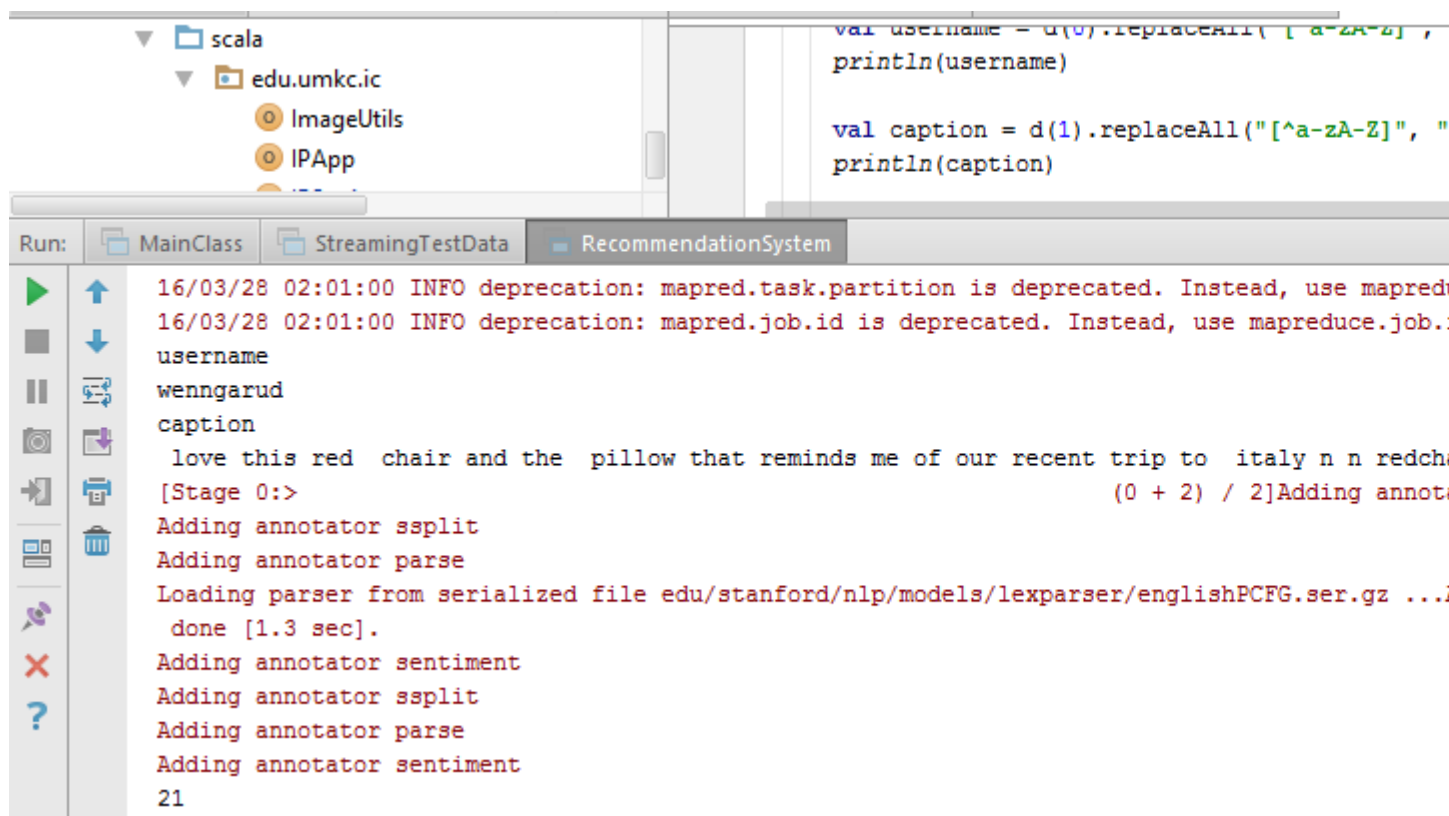
SCREENSHOTS:

3.

QUESTION:

Image-based Recommendation system (related to your own project) a. The rating based on sentiment analysis of Instagram metadata b. Expected outcome is to make a recommendation based on user image input or profile (e.g., preferences, location, gender, age)

SCREENSHOTS:

4.

QUESTION:

Instagram trend notification to smartphone/smartwatch.

SCREENSHOTS: