# **Project Group 1**

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Sprint 1

### **Trello Link:**

https://trello.com/b/ytqCp3R9/2021-cs5500-full-summer

#### **Github Link:**

https://github.com/telvinzhong/Java-Database-Analytics

### **User Stories:**

- user wishes to receive a subset of the data limited by location, so he or she inputs a restriction (Latitude above a certain coordinate) and the output is the set of data matching this (4 points)
- 2. the user wishes to get data directly from the dataset, such as how long he or she spent walking on a particular day. He or she enters the date and receives the number representing the time they spent walking that day (3 points)
- 3. A user may want to be able to be able to modify existing data and add new data points (2 points)
- 4. A user wants to receive a subset of the data limited by location, so he/she inputs a restriction (Latitude above a certain coordinate) and the output is the set of data matching this(4 points)
- 5. The user wants to get data directly from the dataset, such as how long he/she spent on a certain activity, such as walking or cycling on a particular day, how many calories he/she burns off on a certain day(3 points)
- 6. A user may want to be able to be able to modify existing data and add new data points (2 points)

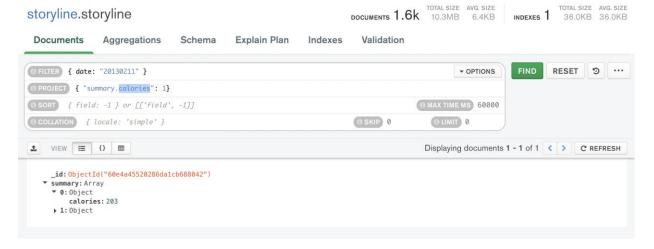
# User be able to modify existing data examples:

```
db.storyline.updateOne({ "date": "20130209"},{$push: {"summary":[{"activity":
"running"},{"group":"walking"}]}})
   _id: ObjectId("60e08df11e397957a399bf35")
   date: "20130209"
  v summary: Array
    > 0: Object
    > 1: Object
    v 2: Array
       ∨0:Object
           activity: "running"
       v1:Object
          group: "walking"
 > segments: Array
   caloriesIdle: 1439
   lastUpdate: "20150402T225557Z"
db.storyline.updateOne({ "date": "20130209"},{$push: {"summary":{"activity":
"running" "group":"walking" }}})
    _id: ObjectId("60e08df11e397957a399bf35")
    date: "20130209"
   ∨ summary: Array
     > 0: Object
     > 1: Object
     v 2: Object
         activity: "running"
         group: "walking"
   > segments: Array
    caloriesIdle: 1439
```

lastUpdate: "20150402T225557Z"

db.storyline.updateOne({ "date": "20130209"},{\$unset: {"delete": 1}})

# Query from database: how many calories a user burn off on a certain day.



# Query from database: how long an activity take on a certain day.



## Our storyline.json in MongoDB:

