Case: Courier Tracking

In this project you are supposed to create a restful web application with Java, that mainly takes streaming geolocations of couriers (**time**, **courier**, **lat**, **lng**) as input. The application also must meet following criteria;

- Log courier and store when any courier enters radius of **100 meters** from Migros stores. Reentries to the same store's circumference over **1 minute** should not count as "entrance". Store locations are given as stores.json file.
- The application must provide a way for **querying total distances**, over which any courier travels. A sample method signature may be such as;
  - Double getTotalTravelDistance(courierId);
- Implement at least 2 design patterns of your choice.
- Create instructions to easily run and test your application (i.e. **README** or an **executable script** is nice to have).

stores.json

```json
[
        {
                "name": "Ataşehir MMM Migros",
                "lat": 40.9923307,
                "lng": 29.1244229
        },
        {
                "name": "Novada MMM Migros",
                "lat": 40.986106,
                "lng": 29.1161293
        },
        {
                "name": "Beylikdüzü 5M Migros",
                "lat": 41.0066851,
                "lng": 28.6552262
        },
        {
                "name": "Ortaköy MMM Migros",
                "lat": 41.055783,
                "lng": 29.0210292
        },
        {
                "name": "Caddebostan MMM Migros",
                "lat": 40.9632463,
                "lng": 29.0630908
        }
]
```