Albacross Data Team Recruitment Task

Goal

Write an algorithm that process a given set of ip ranges by removing their intersections and returning a set of mutually exclusive ip ranges.

Technology

- Scala & Spark
- Feel free to use any development approach
- Present solution as a github repository with README containing a short description of how to run it

Example

Sample Input:
197.203.0.0, 197.206.9.255
197.204.0.0,197.204.0.24
201.233.7.160, 201.233.7.168
201.233.7.164, 201.233.7.168
201.233.7.167, 201.233.7.167
203.133.0.0, 203.133.255.255

Sample Output:
197.203.0.0, 197.203.255.255
197.204.0.25, 197.206.9.255
201.233.7.160, 201.233.7.163
203.133.0.0, 203.133.255.255

(Optional) Bonus points will be granted for any of the following

- Generator for input test data
- Store and fetch Input from relational database
- Save results in Elasticsearch
- Utilize docker-compose for localhost setup