Week 1 - Progress

Progress in the previous week :

Project presentation so no progress during this week

Goal of the week :

- ➤ Make git repo
- ➤ Create a README file
- ➤ Review project specifications (step by step)
- ➤ Understand project goals.
  - ○ Create a functional distributed sorting
  - ○ Create a functional distributed/parallel sorting
- ➤ Define project milestones :
  - ○ Milestone #1 :
    - ■ Generate input Data
    - ■ Scala class of Master & Worker using gRPC library
    - ■ Connection between Master & Worker and share of informations
  - ○ Milestone #2 :
    - ■ Sampling
      - ● Worker sample data
      - ● Worker send sample data to master
      - ● Master define range for each worker
    - ■ Sorting/Partitioning
  - ○ Milestone #3 :
    - ■ Partition exchange protocol
    - ■ Shuffling
    - ■ Merge
  - ○ Milestone #4 :
    - ■ Paralleling

Goal of the week for Alex :

*To launch this project we have work collaboratively so no specific goal define by person for this week

Goal of the week for Thomas :

*To launch this project we have work collaboratively so no specific goal define by person for this week

Questions :
- Do we know the size of the inputs ?
- How are the workers started by us or the master automatically ?