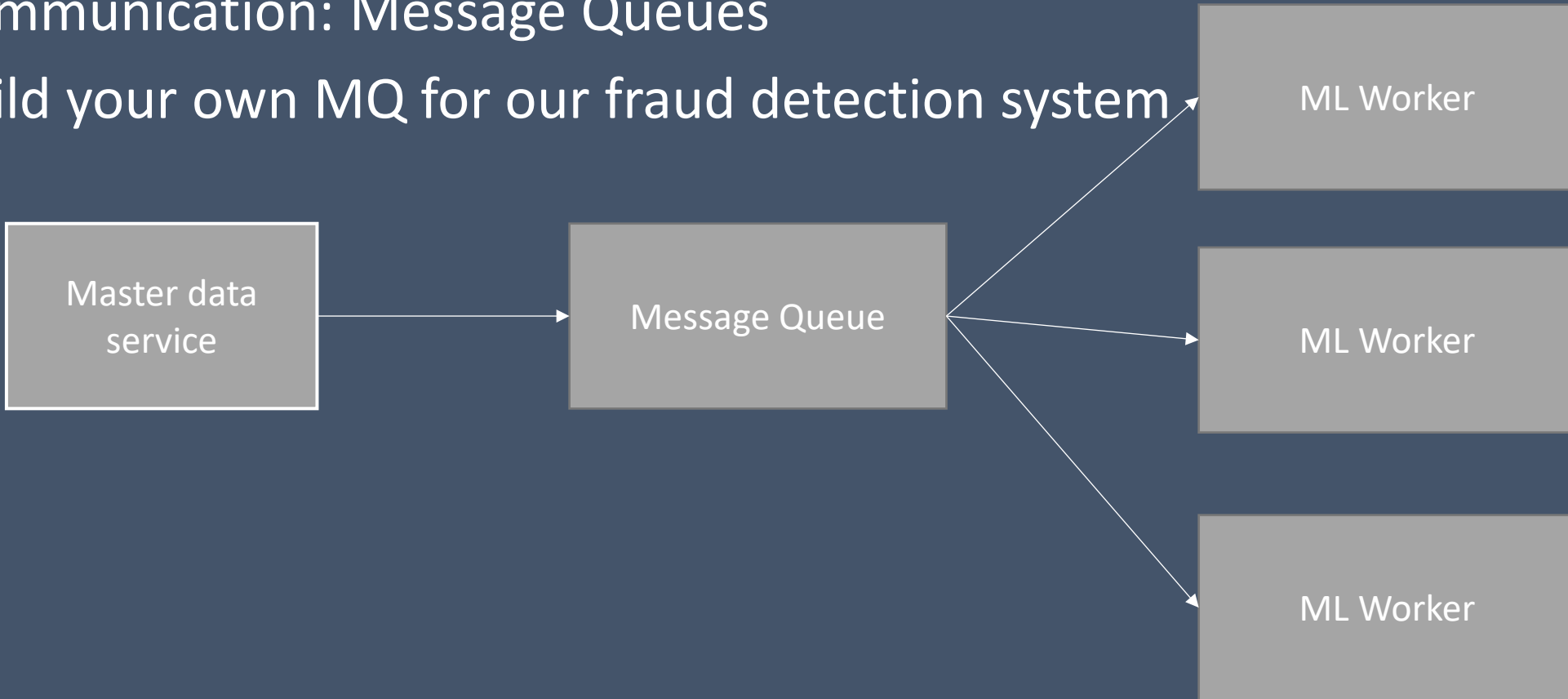


# Assignment 3

- Communication: Message Queues
- Build your own MQ for our fraud detection system



# Assignment 3

- Message queue will maintain at least 2 queues
  - Transactions
  - Results
- Transaction service sends prediction jobs to queue. Workers take jobs from the queue
- Workers send results to queue when done. Transaction service pulls results from queue.
- Endpoint for creating/deleting/listing queues

# Assignment 3

- Due date: 19/05
- 15 points
- Some additional requirements:
  - The service will have a maximum number of messages per queue that can be configured using a configuration file.
  - The service will gracefully handle any possible error condition (like queue non-existent, empty queue, queue too long, etc.).
  - The service will write its queues to a persistent storage from time to time (time to persist can be configured using the configuration file). If the service is restarted, it will restore its state from the persistent storage.