Flower Trading Platform

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Start

Enter CSV file → Read CSV line

length = 5
- No → Send An Execution Report
- Yes → is side int
  - No → Send An Execution Report
  - Yes → is quantity int
    - No → Send An Execution Report
    - Yes → is price double
      - No → Send An Execution Report
      - Yes → is it valid side
        - No → Send An Execution Report
        - Yes → price >0
          - No → Send An Execution Report
          - Yes → Quantity multiple of 10
            - No → Send An Execution Report
            - Yes → 10<Quantity <1000
              - No → Send An Execution Report
              - Yes → Return a CSV Entry

Return a CSV Entry → Is valid flower name
- No → Send An Execution Report
- Yes → Adds to respective queue

reading_complete = false

queue size !=0 or reading complete = false
- Yes → check = reading_complete

check = reading_complete → !check & reading_complete & queue empty
- Yes → End
- No → order = queue.front()

order = queue.front() → side = 1
- Yes → Add to buy orders → Sort in Descending → Order Match → Send an Execution Report → A
- No → Add to sell orders → Sort in Ascending → Order Match → Send an Execution Report → A

A → pop the entry form the queue → (back to queue size !=0 or reading complete = false)