Running Example

Below is a running example, according to the configuration file "configFileExample.txt".
Program output is marked in orange, Notes are in green.

- Warehouse is open!
- order 17 // There is no customer with customerID=17.

  Error: Cannot place this order

- order 0 // Moshe places an order
- orderStatus 0 // Prints the status of orderID = 0

  OrderId: 0
  OrderStatus: Pending
  CustomerID: 0
  Collector: None
  Driver: None

- order 0
- step 1 // Perform 1 step in the simulation
- orderStatus 0

  OrderId: 0
  OrderStatus: Collecting
  CustomerID: 0
  Collector: 0
  Driver: None

- orderStatus 1 // Prints the status of orderID = 1

  OrderId: 1
  OrderStatus: Collecting
  CustomerID: 0
  Collector: 1
  Driver: None

- volunteerStatus 0 // Prints Tamar's details

  VolunteerID: 0
  isBusy: True
  OrderId: 0
  timeLeft: 1
  ordersLeft: No Limit

- volunteerStatus 1 // Prints Ron's details

VolunteerID: 1
isBusy: True
OrderId: 1
Time Left: 2
ordersLeft: 1

- step 1 // Perform 1 step in the simulation
- orderStatus 0

OrderId: 0
OrderStatus: Collecting // No driver has received the order yet, only in the next simulation step!
CustomerID: 0
Collector: 0
Driver: None

- step 1 // Tal(Driver) processed the order and completed it in one step because his distPerStep > customer distance.
- orderStatus 0

OrderId: 0
OrderStatus: Completed
CustomerID: 0
Collector: 0
Driver: 2

- orderStatus 1

OrderId: 1
OrderStatus: Collecting // No driver has received the order yet, only in the next simulation step!
CustomerID: 0
Collector: 1
Driver: None

- customerStatus 0 // Prints Moshe's details

CustomerID 0
OrderId: 0
OrderStatus: Completed
OrderId: 1

OrderStatus: Collecting
numOrdersLeft: 0

- order 1
- order 1

Eror: Cannot place this order // Ron has maxOrders=1;
- log // Prints all actions and their ActionStatus ,excluding 'log' itself

order 17 ERROR
order 0 COMPLETED
orderStatus 0 COMPLETED
order 0 COMPLETED
simulateStep 1 COMPLETED
orderStatus 0 COMPLETED
orderStatus 1 COMPLETED
volunteerStatus 0 COMPLETED
volunteerStatus 1 COMPLETED
simulateStep 1 COMPLETED
orderStatus 0 COMPLETED
simulateStep 1 COMPLETED
orderStatus 0 COMPLETED
orderStatus 1 COMPLETED
customerStatus 0 COMPLETED
order 1 COMPLETED
order 1 ERROR

- log // Prints all actions and their ActionStatus ,including last 'log' action

order 17 ERROR
order 0 COMPLETED
orderStatus 0 COMPLETED
order 0 COMPLETED
simulateStep 1 COMPLETED
orderStatus 0 COMPLETED
orderStatus 1 COMPLETED
volunteerStatus 0 COMPLETED
volunteerStatus 1 COMPLETED
simulateStep 1 COMPLETED
orderStatus 0 COMPLETED
simulateStep 1 COMPLETED
orderStatus 0 COMPLETED
orderStatus 1 COMPLETED

customerStatus 0 COMPLETED
order 1 COMPLETED
order 1 ERROR
log COMPLETED

- close //Closes the warehouse and prints all orders status

OrderID: 1, CustomerID: 0, Status: Collecting
OrderID: 2, CustomerID: 1, Status: Pending
OrderID: 0, CustomerID: 0, Status: Completed