

Running Example

Here is a running example, matches the “configFileExample.txt”
Just to make things clear, program output will mark in **red** and comments in **blue**:

- Medical services are now open!

- request 17 // There is no beneficiary with beneficiaryID=17.

Error: Cannot place this request

- request 0 // CityHospital places a request
- requestStatus 0 // Prints the status of requestID = 0

Request ID: 0

Request Status: PENDING

Beneficiary ID: 0

Inventory Manager: None

Courier: None

- request 0 // CityHospital places another request
- step 1 // Perform 1 step in the simulation
- requestStatus 0

Request ID: 0

Request Status: COLLECTING

Beneficiary ID: 0

Inventory Manager: 0 //Monica is assigned

Courier: None



- requestStatus 1 // Prints the status of requestID = 1

Request ID: 1

Request Status: COLLECTING

Beneficiary ID: 0

Inventory Manager: 1 //Ross is assigned

Courier: None

- volunteerStatus 0 // Prints Monica's details

Volunteer ID: 0

isBusy: True

Request ID: 0

Time Left: 1

- volunteerStatus 1 // Prints Ross's details

Volunteer ID: 1

isBusy: True

Request ID: 1

Time Left: 11

- step 1 // Perform another step in the simulation

- requestStatus 0

Request ID: 0

Request Status: COLLECTING // No courier has received the request yet, only in the next simulation step!

Beneficiary ID: 0

Inventory Manager: 0

Courier: None

- step 1 // Chandler (Courier) processed the request and completed it in one step because his distancePerStep > beneficiary distance.

- requestStatus 0

Request ID: 0

Request Status: DONE

Beneficiary ID: 0

Inventory Manager: 0

Courier: 2

- requestStatus 1

Request ID: 1

Request Status: COLLECTING // No courier has received the request yet, only in the next simulation step!

Beneficiary ID: 0

Inventory Manager: 1

Courier: None

- beneficiaryStatus 0 // Prints CityHospital's details

Beneficiary ID: 0

Request ID: 0

Request Status: DONE

Request ID: 1

Request Status: COLLECTING

Requests Left: 0

request 1

log // Prints all actions and their ActionStatus, excluding 'log' itself

request 17 ERROR

request 0 COMPLETED

requestStatus 0 COMPLETED

request 0 COMPLETED

step 1 COMPLETED
requestStatus 0 COMPLETED
requestStatus 1 COMPLETED
volunteerStatus 0 COMPLETED
volunteerStatus 1 COMPLETED
step 1 COMPLETED
requestStatus 0 COMPLETED
step 1 COMPLETED
requestStatus 0 COMPLETED
requestStatus 1 COMPLETED
beneficiaryStatus 0 COMPLETED
request 1 COMPLETED

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

Request ID: 1, Beneficiary ID: 0, Status: COLLECTING

Request ID: 2, Beneficiary ID: 1, Status: PENDING

Request ID: 0, Beneficiary ID: 0, Status: DONE