

60-322: Assignment 4 Part 2

Q3

Jose 50%, Jitesh 50%, edited by Patrick and Joel

Please see the folder Q3 for the three interaction diagrams.

Q4

Joel 75%, Patrick 25%

DCD provided in folder Q4

Q5

Patrick 75%, Joel 25%

Code provided under src folder. Java jar executable located at src/artifacts. Run the java jar with the following command:

```
java -jar Delivery-System.jar
```

The following is an example run through:

```
----Warehouse Menu----
Please select one of the following:
1: See pending orders
2: Start loading order
3: Shutdown system
1
orderId='2ff1c016',
items=[{quantity=2,
        description=
        itemId='4327',
        description:'desk',
        price=342.98,
        warehouseLocation='5RD'}},
, {quantity=6,
    description=
    itemId='6537',
    description:'pen',
    price=5.32,
    warehouseLocation='7DF'}},
, {quantity=12,
    description=
    itemId='9735',
    description:'pencil',
    price=2.1,
    warehouseLocation='1SD'}},
, {quantity=6,
```

```
description=
itemId='1234',
description:'paper',
price=23.14,
warehouseLocation='2FB'}}},
],
customer=name='Joe Smith'},
source=streetAddr='432 Miller St. Victoria', country='CAN', province='BC'},
destination=streetAddr='123 St. John St. W Windsor', country='CAN', province='ON'},
trackingNumber='1349652d',
orderedOn=Mon Nov 20 19:06:23 EST 2017}
----Warehouse Menu----
Please select one of the following:
1: See pending orders
2: Start loading order
3: Shutdown system
2
Please enter the order id you would like to start loading:
2ff1c016
Please load one of the following items:
id: 1234, quantity: 6, description: paper, location: 2FB
id: 6537, quantity: 6, description: pen, location: 7DF
id: 9735, quantity: 12, description: pencil, location: 1SD
id: 4327, quantity: 2, description: desk, location: 5RD
Please enter item id that has been loaded:
1234
How many did you load?
8
Looks like you loaded too many items! Please remove 2 items
Please load one of the following items:
id: 6537, quantity: 6, description: pen, location: 7DF
id: 9735, quantity: 12, description: pencil, location: 1SD
id: 4327, quantity: 2, description: desk, location: 5RD
Please enter item id that has been loaded:
6537
How many did you load?
3
Please load one of the following items:
id: 6537, quantity: 3, description: pen, location: 7DF
id: 9735, quantity: 12, description: pencil, location: 1SD
id: 4327, quantity: 2, description: desk, location: 5RD
Please enter item id that has been loaded:
6537
How many did you load?
3
Please load one of the following items:
id: 9735, quantity: 12, description: pencil, location: 1SD
id: 4327, quantity: 2, description: desk, location: 5RD
Please enter item id that has been loaded:
9735
How many did you load?
12
Please load one of the following items:
id: 4327, quantity: 2, description: desk, location: 5RD
Please enter item id that has been loaded:
4327
How many did you load?
```

4

Looks like you loaded too many items! Please remove 2 items

You are finished order #2ff1c016

----Warehouse Menu----

Please select one of the following:

1: See pending orders

2: Start loading order

3: Shutdown system

3