

# Object Oriented Design and Programming Coursework

## Contents



|   |    |
|---|----|
| List of files included in the project ..... | 3  |
| Test Coverage for each file .....           | 4  |
| Test report for each Test file .....        | 6  |
| UML Diagram .....                           | 8  |
| Gitlab Commit Log .....                     | 9  |
| GUI Screen shots .....                      | 10 |

## List of files included in the project



- Customer.java
  - CustomerTest.java
- CustomerQueue.java
  - CustomerQueueTest.java
- Manager.java
  - ManagerTest.java
- Rucksack.java
  - RucksackTest.java
- RucksackMap.java
  - RucksackMapTest.java
- Worker.java
  - WorkerTest.java
- GUI.Java
- Log.java
- Custs.csv
- Orders.csv
- Coursework report.pdf

## Test Coverage for each file



### Customer.java

| Element   |   | Coverage | Covered Instructions | Missed Instructions | Total Instructions |
|---|---|----------|----------------------|---------------------|--------------------|
| >  Customer.java |  | 100.0 %  | 76                   | 0                   | 76                 |



### CustomerTest.java

| Element   |   | Coverage | Covered Instructions | Missed Instructions | Total Instructions |
|---|---|----------|----------------------|---------------------|--------------------|
| >  CustomerTest.java |  | 100.0 %  | 131                  | 0                   | 131                |



### CustomerQueue.java

| Element  |   | Coverage | Covered Instructions | Missed Instructions | Total Instructions |
|--|---|----------|----------------------|---------------------|--------------------|
| >  CustomerQueue.java |  | 100.0 %  | 106                  | 0                   | 106                |



### CustomerQueueTest.java

| Element   |  | Coverage | Covered Instructions | Missed Instructions | Total Instructions |
|---|--|----------|----------------------|---------------------|--------------------|
| >  CustomerQueueTest.java |  | 100.0 %  | 272                  | 0                   | 272                |



### Manager.java

| Element  |   | Coverage | Covered Instructions | Missed Instructions | Total Instructions |
|--|---|----------|----------------------|---------------------|--------------------|
| >  Manager.java |  | 71.2 %   | 193                  | 78                  | 271                |



### ManagerTest.java

| Element  |   | Coverage | Covered Instructions | Missed Instructions | Total Instructions |
|--|---|----------|----------------------|---------------------|--------------------|
| >  ManagerTest.java |  | 100.0 %  | 100                  | 0                   | 100                |

### Rucksack.java



| Element   |   | Coverage | Covered Instructions | Missed Instructions | Total Instructions |
|---|---|----------|----------------------|---------------------|--------------------|
| >  Rucksack.java |  | 100.0 %  | 120                  | 0                   | 120                |

### RucksackTest.java



| Element   |   | Coverage | Covered Instructions | Missed Instructions | Total Instructions |
|---|---|----------|----------------------|---------------------|--------------------|
| >  RucksackTest.java |  | 99.6 %   | 467                  | 2                   | 469                |

# Object Oriented Design and Programming Coursework



## RucksackMap.java

| Element  | Coverage  | Covered Instructions | Missed Instructions | Total Instructions |
|--|---|----------------------|---------------------|--------------------|
| >  RucksackMap.java |  100.0 % | 123                  | 0                   | 123                |



## RucksackMapTest.java

| Element  | Coverage   | Covered Instructions | Missed Instructions | Total Instructions |
|--|--|----------------------|---------------------|--------------------|
| >  RucksackMapTest.java |  99.1 % | 431                  | 4                   | 435                |

## Worker.java

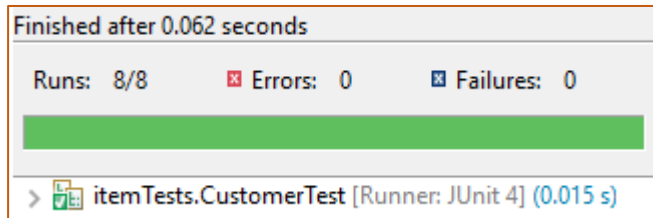
| Element   | Coverage   | Covered Instructions | Missed Instructions | Total Instructions |
|---|--|----------------------|---------------------|--------------------|
| >  Worker.java |  99.0 % | 99                   | 1                   | 100                |

## WorkerTest.java

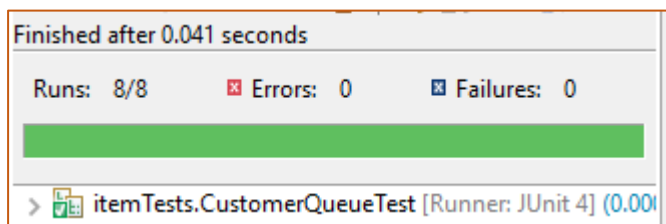
| Element  | Coverage   | Covered Instructions | Missed Instructions | Total Instructions |
|--|--|----------------------|---------------------|--------------------|
| >  WorkerTest.java |  100.0 % | 340                  | 0                   | 340                |

## Test report for each Test file

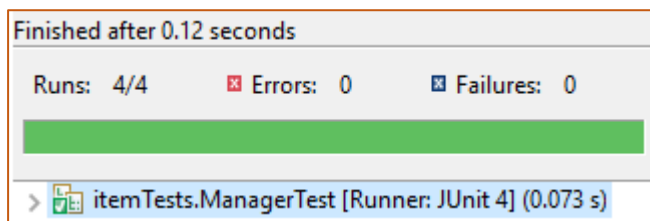
CustomerTest.java



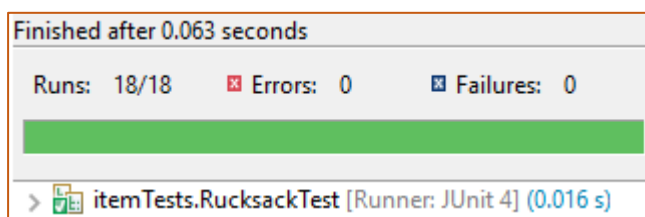
CustomerQueueTest.java



ManagerTest.java

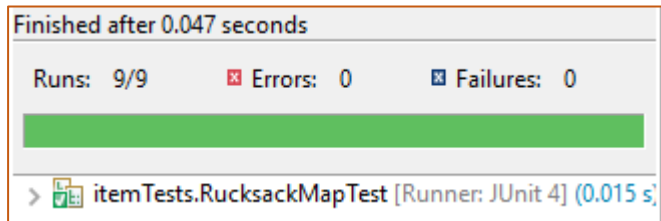


RucksackTest.java

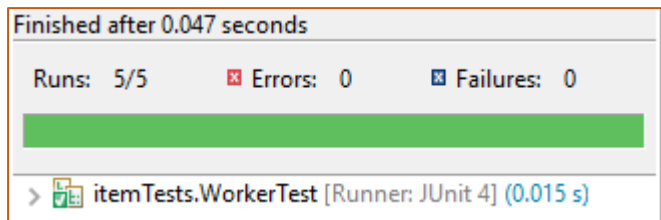


# Object Oriented Design and Programming Coursework

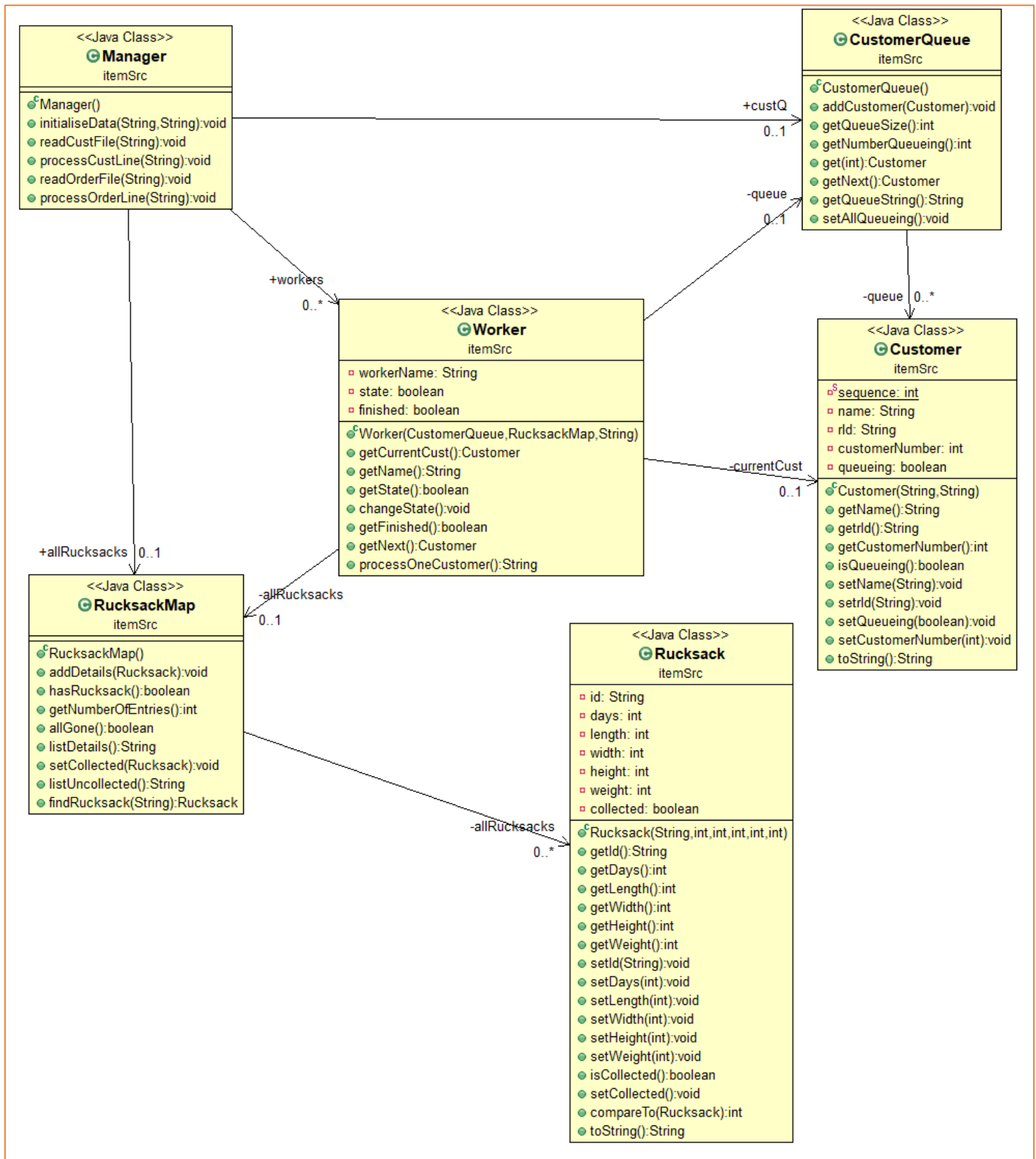
RucksackMapTest.java



WorkerTest.java










## UML Diagram





























# Object Oriented Design and Programming Coursework

## Gitlab Commit Log

|   |                   |
|---|-------------------|
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>805c5ee6 All Tests redone<br>0081ce4b Finished Manager and ManagerTest<br><a href="#">Compare</a> → <a href="#">b9a06ce6...805c5ee6</a> | 10 minutes ago    |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>b9a06ce6 File tidy up   | about 3 hours ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>56346270 Tweaked the Rucksack Class, double checked coverage  | about 3 hours ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>49fd0bcf Made it so that the GUI appears in the centre of the screen  | about 4 hours ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>c954027e Added functionality to my GUI  | a day ago         |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>72276b97 Loads more done on GUI   | 2 days ago        |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>add5eb0b Lots of work done on the GUI   | 2 days ago        |

|  |             |
|--|-------------|
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>a2a02f53 Did more with GUI, also changed woker ID to name,                       | 5 days ago  |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>63278242 little bit of gui work  | 5 days ago  |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>948691c1 Built my own initialiseWorker method in manager                         | 10 days ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>23442103 This and that done  | 10 days ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>f195923b duplicating the custs.csv and parcels.csv files to try and overcome...  | 10 days ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>d57f8ae2 Trying to get my head around the manager class, gave up on worker       | 10 days ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>caf3e620 Started work on the worker class, seriously struggling to understand... | 11 days ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>ccb27953 All comments now done for RucksackMap and RucksackMapTEST               | 12 days ago |

|  |             |
|--|-------------|
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>e8e6827c Created Java docs version 1, finished comments on the rucksack and     | 12 days ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>5663d668 Work done on worker class   | 14 days ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>be462b66 Finished CustomerQueueTest comments and tests                         | 14 days ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>28b45a27 More work done to CustomerQueueTest still needs more to be done       | 14 days ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>a00bcd19 renamed to CustomerQueue, added javadoc elements and changed the get  | 14 days ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>9e79c213 Changed the name of the CustInQueue class and many of the methods and | 14 days ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>4fd24e56 Problems with getFirst in Queue of custs                              | 15 days ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>f0adf8e0 rucksack map and rucksackmap test complete                            | 15 days ago |

|  |                   |
|--|-------------------|
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>b49f2c25 Working on Rucksackmap   | 15 days ago       |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>708bf1e7 Big Push  | 19 days ago       |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>dbc45678 Worked on RucksackMap & RucksackMapTest                       | 19 days ago       |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>96f23210 Big Update loads done, many things, great things, best things | 19 days ago       |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>b167b81d CustInQueue.class all methods completed                       | 25 days ago       |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>28957f84 test from eclipse   | about a month ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>5b4af461 initial files take 2  | about a month ago |
|  1725412 pushed to branch <b>master</b> at 1725412 / 5CS019<br>412b18ad initial files   | about a month ago |

# Object Oriented Design and Programming Coursework

## GUI Screen shots

