**Summary of provided source files and test cases**

For both the source files, there is detailed internal comments indicating what each method is about.

Where appropriate, you have also been provided with step by step flow of logic on how you might go about implementing the methods. This is in addition to tests, which should ultimately guide your implementation. Please use the provided internal comments well.

Some methods are implemented for you, and you are in turn asked to provide tests for them. So, you need to pay attention to the comments in both the source files, and the test files.

**State of the source files**

|  |  |
| --- | --- |
| **Class** | **Notes** |
| Parcel | Study the ParcelTest.java class and use it to implement Parcel.java  **This is an example item that workers process. You will be emailed your own Item class that you will work with. You will write both the source code and the test case for it.** |
| Worker | You are to use the test class, WorkerTest to provide the implementation for this class. |
| CustInQueue | Only one method implementation is provided. This is the getqNum. You are to write a test for this method, and an implementation for those that have been tested. See CustInQueueTest |
| ParcelMap | Consider internal comments carefully. Refer to the test class ParcelMapTest and do as indicated in the internal comments. |
| QueueOfCusts | Follow the internal comments both in this class and in its test class. |
| Manager | Write the tests for this class. |
| Log | Implementation is provided for your use. |
|  |  |

**State of the test files**

|  |  |
| --- | --- |
| **Test Class** | **Notes** |
| ParcelTest | All methods, as well as the constructor are tested. You are to implement the source class Parcel.java  **This is an example test class for the item (Parcel) that workers process. You will be emailed your own Item class that you will work with. You will write both the source code and the test case for it. This ParcelTest is a good example of the tests you will write for your own class.** |
| WorkerTest | The following tests have been provided: the constructor, getCurrentCust, getNum, getClosed, and setClosed.  Use these tests to implement the source class.  Write test for processOneCustomer method.  NB: Follow internal comments and do as asked. |
| CustInQueueTest | Follow the internal comments and do what is asked. Tests are provided for the constructor, getName, setName, getpId, setpId, setqNum, isInQueue, setInQueue.  You are to implement the source file to pass these tests. |
| ParcelMapTest | Consider the comments on all the tested methods, as well as the constructor.  Use these tests to write the implementation of the methods that will pass these tests |
| QueueOfCustsTest | You’re to provide an implementation of these tested methods – constructor, addDetails, getNumberOfEntries, getNumQueueing, get, getNext.  You’re to write tests for these methods whose implementation is procided: getQueueString, addToQueue |
| ManagerTest | You’re to write unit tests for all the methods in this class. The implementation is provided. |
| Log | No tests provided, no tests needed. |