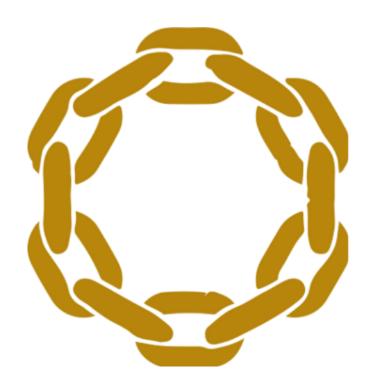# The Citadel System

Testing Phase 1

Phase 1: Valar Compilis

This document includes a set of test cases to guide you in testing your project. These tests are not exhaustive, but they are designed to cover most of the scenarios described in the project statement.

For the first phase of the project, your Maester process should ensure that both files provided as arguments are read correctly and that all the information is stored in the appropriate data structures you design for them.

```
$matagalls:> Maester maester.dat stock.db
```

Additionally, the Maester process will have to validate user commands. The tests we propose are the following:

INPUT	OUTPUT
LIST REALMS	- TheVale - KingsLanding - Driftmark
PLEDGE TheVale arryn.png	Command OK
PLEDGE RESPOND TheVale ACCEPT	Command OK
PLEDGE RESPOND TheVale REJECT	Command OK
LIST PRODUCTS KingsLanding	Command OK
LIST PRODUCTS	Prints the list of products currently in your inventory.
START TRADE Driftmark	When starting a trade, the prompt should change from '$ ' to '(trade)> ' to indicate you are in the trade sub-menu. Within this sub-menu you must implement the following commands: - **add \<product\> \<amount\>** - **remove \<product\> \<amount\>** - **send** - **cancel**

	The commands 'add' and 'remove' are for editing the trade offer and 'send' and 'cancel' are for either sending the trade offer or cancelling it entirely. This is an example of how the sub-menu should work: (trade)> **add Myrish Lace 10** (trade)> **add Sweetwine 5** (trade)> **send** Trade list sent to TheVale. During the first phase, this command will only create a file with the trade offer under the Maester's working directory.
PLEDGE STATUS	Command OK
ENVOY STATUS	Command OK
EXIT	Gracefully finalizes the Maester process with no memory leaks.

All of these commands are *case-insensitive*, meaning you should also cover these other tests to fully ensure your solution is as robust as possible:

INPUT	OUTPUT
LiSt REAlms	- TheVale - KingsLanding - Driftmark
PLedgE TheVale arryn.png	Command OK
START TRADE	Missing arguments, can't start a trade. Please review the syntax.
CHECK MY REALMS	Unknown command
START TRADE TheVale now	Unknown command
LIST REALMS please	Unknown command