***Test Document***

This document contains various test cases that evaluate the functionality of different components of our system. Each table includes the tested requirement, its description and its prerequisite. It will also include the input of the test, the observed and expected outputs and a verdict to indicate if the test passed/failed. A pass is when a requirement’s observed output matches the expected output for a given input, in other words, it behaves as indicated in the specifications. A comment section will be included for remarks and abnormal behaviors.

| Tested Requirement | User orders an item that is not in the database. |
| --- | --- |
| Quick Description | User orders an item that is not in the database. |
| Prerequisite | N/A |
| Input | Text |
| Expected Output | Error with the message “Item not found” |
| Observed Output | Error with the message “Item not found” |
| Verdict | Success |
| Comments |  |

| Tested Requirement | Supervisor removes a user that does not exist |
| --- | --- |
| Quick Description | Supervisor inputs a username that does not exist |
| Prerequisite | N/A |
| Input | Text |
| Expected Output | Error with the message “Username does not exist” |
| Observed Output | Error with the message “Username does not exist” |
| Verdict | Success |
| Comments |  |

| Tested Requirement | Ordering items that cost more than 5000 |
| --- | --- |
| Quick Description | Employee inputs item with a cost of more than 5000 |
| Prerequisite | Item must exist in the database |
| Input | Text |
| Expected Output | Item gets sent to pending queue |
| Observed Output | Item gets sent to pending queue |
| Verdict | Success |
| Comments |  |

| Tested Requirement | User inputs a number |
| --- | --- |
| Quick Description | Employee inputs a number |
| Prerequisite | N/A |
| Input | Integer or float |
| Expected Output | Error with the message “Username does not exist” |
| Observed Output | Error with the message “Username does not exist” |
| Verdict | Success |
| Comments |  |

| Tested Requirement | Item less than 5000 |
| --- | --- |
| Quick Description | Employee inputs an item that exists in the database of cost less than 5000 |
| Prerequisite | Item |
| Input | Text |
| Expected Output | Sends the order to the supplier for purchase with the queue items |
| Observed Output | Sends the order to the supplier for purchase with the queue items |
| Verdict | Success |
| Comments |  |

| Tested Requirement | Item with a cost of 5000 |
| --- | --- |
| Quick Description | Employee inputs an item with a cost of 5000 |
| Prerequisite | Item must exist in the database |
| Input | Text |
| Expected Output | Item gets ordered with the queue items |
| Observed Output | Item gets ordered with queue items |
| Verdict | Success |
| Comments |  |

| Tested Requirement | Input less than 5000 while pending order of more than 5000 |
| --- | --- |
| Quick Description | Employee inputs an item number with cost less than 5000 while queue has pending order of items more than 5000 |
| Prerequisite | Items must exist in database |
| Input | Text |
| Expected Output | If the item cost less than 5000 it will be ordered and if it’s more than 5000 it will be added to the queue |
| Observed Output | If the item cost less than 5000 it will be ordered and if it’s more than 5000 it will be added to the queue |
| Verdict | Success |
| Comments |  |

| Tested Requirement | Symbol input |
| --- | --- |
| Quick Description | Employee inputs a symbol |
| Prerequisite | N/A |
| Input | Text |
| Expected Output | Output error message to the user, then ask for another item input |
| Observed Output | Throws exception, ends program |
| Verdict | Fail |
| Comments |  |

| Tested Requirement | More than one item |
| --- | --- |
| Quick Description | Employee inputs more than one item IDs |
| Prerequisite | N/A |
| Input | Text |
| Expected Output | The item of the first ID entered will be selected |
| Observed Output | The item of the first ID entered will be selected |
| Verdict | Success |
| Comments |  |

| Tested Requirement | User approves order |
| --- | --- |
| Quick Description | User clicks the “yes” button |
| Prerequisite | User must be supervisor |
| Input | N/A |
| Expected Output | Items in queue get ordered with the message “order approved” |
| Observed Output | Items in queue get ordered with the message “order approved” |
| Verdict | Success |
| Comments |  |

| Tested Requirement | User declines order |
| --- | --- |
| Quick Description | User clicks the “no” button |
| Prerequisite | User must be supervisor |
| Input | N/A |
| Expected Output | Items in queue gets deleted with the message “order declined” |
| Observed Output | Items in queue gets deleted with the message “order declined” |
| Verdict | Success |
| Comments |  |