Test Case Specification

For

Team Coffee House

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Revision History

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| **Version** | **Date** | **Name** | **Description** |
| 1 | 4/2/2019 | David Clendenning | Initial Document |

**1 INTRODUCTION**

This document provides the test cases to be carried out for the DTCC Toner Inventory System. Each module of the system is to be represented by an individual test case (excluding access methods). Each case details the input and expected outputs.

**2 Test Cases: Toner Inventory System**

|  |  |
| --- | --- |
| Test ID | 2.1.0 |
| Title | Stock Deficit |
| Feature | Returns if the specified Item has a deficit in stock |
| Objective | To confirm that the current stock minus the minimum stock is greater than zero. |
| Setup | An item that has a specified minimum and current stock |
| Test Data | Stock Information  Minimum Stock = 0  Current Stock = 0 |
| Test Actions | 1. Executes hasDeficit() method  2. Confirms whether returned boolean value matches the expected boolean value |
| Expected Results | The current stock and minimum stock are both zero which is not a deficit therefore the result should be false |

|  |  |
| --- | --- |
| Test ID | 2.1.1 |
| Title | Stock Deficit |
| Feature | Returns if the specified Item has a deficit in stock |
| Objective | To confirm that the current stock minus the minimum stock is greater than zero. |
| Setup | An item that has a specified minimum and current stock |
| Test Data | Stock Information  Minimum Stock = 5  Current Stock = 6 |
| Test Actions | 1. Executes hasDeficit() method  2. Confirms whether returned boolean value matches the expected boolean value |
| Expected Results | The current stock is 6 and the minimum stock is 5, therefore the return value should be false |

|  |  |
| --- | --- |
| Test ID | 2.1.2 |
| Title | Stock Deficit |
| Feature | Returns if the specified Item has a deficit in stock |
| Objective | To confirm that the current stock minus the minimum stock is greater than zero. |
| Setup | An item that has a specified minimum and current stock |
| Test Data | Stock Information  Minimum Stock = 5  Current Stock = 2 |
| Test Actions | 1. Executes hasDeficit() method  2. Confirms whether returned boolean value matches the expected boolean value |
| Expected Results | The current stock is 2 and minimum stock is 5 therefore the result returned should be true, because there is a deficit |

|  |  |
| --- | --- |
| Test ID | 2.2.1 |
| Title | Stock Deficit Value |
| Feature | Returns the deficit of specified Item if the item has a deficit in stock |
| Objective | To return the deficit amount that would need to be ordered |
| Setup | An item that has a specified minimum and current stock |
| Test Data | Stock Information  Minimum Stock = 0  Current Stock = 0 |
| Test Actions | 1. Executes hasDeficit() method  2. Confirms whether returned number matches the expected number |
| Expected Results | The current stock and minimum stock are both zero which is not a deficit therefore the result should be 0 |

|  |  |
| --- | --- |
| Test ID | 2.2.1 |
| Title | Stock Deficit Value |
| Feature | Returns the deficit of specified Item if the item has a deficit in stock |
| Objective | To return the deficit amount that would need to be ordered |
| Setup | An item that has a specified minimum and current stock |
| Test Data | Stock Information  Minimum Stock = 5  Current Stock = 0 |
| Test Actions | 1. Executes hasDeficit() method  2. Confirms whether returned number matches the expected number |
| Expected Results | The current stock is 0 and the minimum stock is 5 so the method should return 5 |

|  |  |
| --- | --- |
| Test ID | 2.2.2 |
| Title | Stock Deficit Value |
| Feature | Returns the deficit of specified Item if the item has a deficit in stock |
| Objective | To return the deficit amount that would need to be ordered |
| Setup | An item that has a specified minimum and current stock |
| Test Data | Stock Information  Minimum Stock = 5  Current Stock = 0 |
| Test Actions | 1. Executes hasDeficit() method  2. Confirms whether returned number matches the expected number |
| Expected Results | The current stock is 1000 and the minimum stock is 5 so the method should return 5 |