**<C#>**

**<Self Checkout>**

**Test Procedure**

***Revision History***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Authors** | **Description of Change** | **Sections** | **Rev** | **Date** |
|  |  |  |  |  |
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# Team Description

|  |  |
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# Introduction

This document tests the requirements of the program.

## Identification

|  |  |
| --- | --- |
| **Requirement Document Tested:** |  |
| **Requirement Document Revision:** |  |
| **Revision Release Date:** |  |

# Test Procedures

## Checkout

Description: This test demonstrates the add to cart, remove item and purchase summary/inventory view functionality of the self checkout system

Precondition:

1) The inventory file is properly configured

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | Start the checkout system by double clicking the selfcheckout.exe | Program start up |  |
| 2 | Observe display | The checkout button is greyed out and cannot be selected.  The grid on the left is populated with the items from the inventory file | RID-001 |
| 3 | Add apple to cart by double click (grid on the right) | The item appears on the right grid (our virtual cart).  Item from inventory will have its count deducted.  Running total will be updated.  Checkout button will be colored. | RID-003, RID-004  RID-005  RID-006 |
| 4 | Attempt to remove item from basket, select call employee button | Employee credential window appears | RID-011, RID-012 |
| 5 | Enter valid employee credentials in the credential window | Credentials are accepted.  Items in virtual cart turns red and is selectable for removal | RID-013 |
| 6 | Select item for removal | The item is removed from the virtual cart grid on the right.  Running total is updated to reflect new balance  Item count in inventory will be restored | RID-014  RID-015  RID-016 |
| 7 | Select checkout button | Purchased items are removed from the virtual cart.  Receipt(purchase history) is shown.  Running total is reset. | RID-009  RID-008  RID-010 |
| 8 | Open the employee login window, enter manager credentials | Credentials are accepted  The purchase summary is shown.  Live inventory is shown. | RID-028  RID-027 |

## Manager Update Inventory

Description: This test demonstrates the managers ability to update the inventory

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | Open the employee login window, enter manager credentials | Credentials accepted  Inventory update screen is displayed |  |
| 2 | Update inventory while system is running | Item will be accepted, but the updated inventory will be displayed upon restart of the program | RID-022 |
| 3 | Add item with a count of 0 | Item will be accepted and displayed, but user will be notified that item is out of stock | RID-023 |
| 4 | Add item with the same ItemID as a different item | System will accept the first entry  System will reject second entry  Manager will be notified | RID-024  RID-025  RID-026 |

# Verification Cross Reference Matrix

|  |  |
| --- | --- |
| **Requirement Identifier** | **Where Tested** |
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