

Project 1 Black Box Test Plan

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Introduction

The application is launched by right clicking on **CheckoutSimulatorGUI**. Select **Run As > Java Application**.

| Test ID | Description | Expected Results | Actual Results |
|---|---|---|---|
| #1 testNonIntegerAmountOfShoppingCarts (Walker Booth) | Preconditions: CheckoutSimulatorGUI is launched and running. Type "!" in the dialog box called Number of Shopping Carts . <i>Check Results.</i> Click OK . | A dialog box appears with the message "The number of shopping carts must be an integer." | A dialog box appears with the message "The number of shopping carts must be an integer." |
| #2 testInvalidNumberOfCarts (Walker Booth) | Preconditions: CheckoutSimulatorGUI is launched and running. Type "0" in the dialog box called Number of Shopping Carts . <i>Check Results.</i> Click OK . | A dialog box appears with the message "There must be at least one shopping cart in the simulation." | A dialog box appears with the message "There must be at least one shopping cart in the simulation." |
| #3 testLowNumberOfRegisters | Preconditions: CheckoutSimulatorGUI is launched and running. Select 2 in the drop down menu called Number of Checkout Registers . <i>Check Results.</i> Click OK . | A dialog box appears with the message "Number of registers must be between 3 and 12 inclusive." | A dialog box appears with the message "Number of registers must be between 3 and 12 inclusive." |

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| #4 testHighNumberOfRegisters | <p>Preconditions: CheckoutSimulatorGUI is launched and running.</p> <p>Select 13 in the drop down menu called Number of Checkout Registers.</p> <p><i>Check Results.</i></p> <p>Click OK.</p> | A dialog box appears with the message "Number of registers must be between 3 and 12 inclusive." | A dialog box appears with the message "Number of registers must be between 3 and 12 inclusive." |
| #5 testValidInputs | <p>Preconditions: CheckoutSimulatorGUI is launched and running.</p> <p>Type "200" in the dialog box called Number of Shopping Carts.</p> <p>Select 9 in the drop down menu called Number of Checkout Registers.</p> <p>Select the fastest speed on the Animation Speed line.</p> <p><i>Check Results.</i></p> | Carts begin to appear in the checkout lanes. Number of shopping carts is 200, there are 9 registers, and the progress bar begins to fill up. | Carts begin to appear in the checkout lanes. Number of shopping carts is 200, there are 9 registers, and the progress bar begins to fill up. |

Document Revision History

| Date | Author | Change Description |
|---------|--------------|-----------------------|
| 2-10-17 | Walker Booth | • Added 5 test cases. |
| 3-1-17 | Walker Booth | • Tested the tests |