<Shopping Cart Checkout Simulator> Black Box Test Plan

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Introduction

Provide a brief overview of your black box test plan. Describe how you would start your application.

Test ID	Description	Expected Results	Actual Results
T1. testWithZero NumOfCarts Author: Prem Subedi	**Preconditions: None** Run SimulationViewerUI Enter 0 cart Enter 5 Registers Click Start. Check results. Click Ok.	Dialog box stating " There must be at least one shopping cart in the simulation" is displayed.	Dialog box stating " There must be at least one shopping cart in the simulation" is displayed.
T2 testInvalid NumberOfCarts Author: Prem Subedi	**Preconditions: None** Run SimulationViewerUI Leave Cart box empty Enter 5 Registers Click Start Check results. Click Ok.	Dialog box stating, "The number of shopping carts must be an integer" is displayed.	Dialog box stating "The number of shopping carts must be an integer" is displayed.
T3 TestInvalid NumOfRegisters Author: Prem Subedi	**Preconditions: None** Run SimulationViewerUI Enter 20 carts Enter 2 register Click Start Check results. Click Ok.	Dialog box stating, "The number of registers must be between 3 and 12 inclusive" is displayed.	Dialog box stating, "The number of registers must be between 3 and 12 inclusive" is displayed.
T4 testInvalid NumOfRegisters Author: Prem Subedi	**Preconditions: None** Run SimulationViewerUI Enter 20 carts Enter 15 register Click Start Check results. Click Ok.	Dialog box stating, "The number of registers must be between 3 and 12 inclusive" is displayed.	Dialog box stating, "The number of registers must be between 3 and 12 inclusive" is displayed.
T5 testBoundaryValu e Author: Prem Subedi	**Preconditions: None** Run SimulationViewerUI Enter 20 carts Enter 3 register Click Start Check results. Click Quit.	Simulator starts with carts running through 3 registers express on the left and special handling cart on the right hand side. Displays average wait time and average checkout time, where average wait time is greater.	Simulator starts with carts running through three registers express on the left and special handling cart on the right hand side. Displays average wait time and average checkout time, where average wait time is greater.

T6 testBoundaryValue Author: Prem Subedi	**Preconditions: None** Run SimulationViewerUI Enter 50 carts Enter 12 register Click Start Check results Click Quit.	Simulator starts with carts running through 12 registers express on the left and special handling cart on the right hand side. Displays average wait time and average checkout time, where average wait time is greater.	Simulator starts with carts running through 12 registers express on the left and special handling cart on the right hand side. Displays average wait time and average checkout time, where average wait time is greater
T7 testSimulationValid Author: Prem Subedi	**Preconditions: None** Run SimulationViewerUI Enter 300 carts Enter 9 register Click Start Check results. Click Quit	Simulator starts with carts running through 9 registers and it's slower, with express Register on the left and special handling register on the right hand side. Progress bar moves slower. Displays average wait time and average checkout time, where average wait time is greater than the average checkout time	Simulator starts with carts running through 9 registers and it's slower, with express Register on the left and special handling register on the right hand side. Progress bar moves slower. Display average wait time and average checkout time, where average wait time is greater than the average checkout time
T8 testValidSimulation Author:Prem S.	**Preconditions: None** Run SimulationViewerUI Enter 30 carts Enter 9 register Click Start Check results Click Quit	Simulator starts with carts running through 9 registers and it's slower, with express Register on the left and special handling register on the right hand side. Progress bar moves faster than in T7. Displays average wait time and average checkout time, where average wait time is greater than the average checkout time	Simulator starts with carts running through 9 registers and it's slower, with express Register on the left and special handling register on the right hand side. Progress bar moves faster than in T7. Displays average wait time and average checkout time, where average wait time is greater than the average checkout time

Document Revision History

Date	Author	Change Description
Spring 2017	Prem Subedi	• Black Box Test Plan created and wrote all the expected results and actual results after running SimulationViewer UI.