Project Test Plan Document

Group 3:

Ashraya Regmi, Jesse Cruse, Tyler Roland, Matthew Stevenson

University of Maryland University College

Revision 1.04

June 20, 2017

# **Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision** | **Date** | **Editor** | **Description of Changes** |
| 1.00 | 06/20/2017 | Ashraya Regmi | * Original Document |
| 1.01 | 6/21/2017 | Jesse Cruse | * Added Test Case Requirements for:   + Startup Test Case 1,2   + Normal Operation test case 1,2,3   + Shutdown Test Case 1 * Added Test Cases for Error Handling * Adjusted formatting and headings |
| 1.02 | 6/22/2017 | Tyler Roland | * Added additional detail/text edits * Added Normal Operation Test cases 4, 5 * Added Error Handling Test cases 4, 5, 6 |
| 1.03 | 7/11/2017 | Jesse Cruse | * Performed all start-up, normal operation, and shutdown test cases and annotated results for all, except:   + Normal operations test 4 * Modified description verbiage in:   + Startup Test Case 1   + Normal operation Test Case 4 |
| 1.04 | 7/12/2017 | Jesse Cruse | * Performed test cases and annotated results for Normal operation test case 4 * Performed test cases and annotated results for all error handling cases. * Amended verbiage of normal operation test case 4 criteria for clarity. * Replaced mentioning of pricing parameter with ID |

# Startup Test Cases

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case Number** | **Requirement Number** | **Test Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | 1,4 | Upon landing at the website, the user enters the correct username and password at the login screen and either presses the Enter key or clicks the “Login” button. | User is redirected to the home page after successful login. | Upon logging in from the login prompt, the user is automatically redirected to the home page. | Pass |
| 2 | 1,4 | User enters the wrong username or password at the login screen and either presses the Enter key or clicks the “Login” button. | User is redirected to the login page again with an error to enter the correct credentials. | Upon entering incorrect login details, the user is automatically redirected back to the login screen to retry logging in. A message is displayed indicating that the user should retry logging in. | Pass |

# Normal Operation Test Case

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case Number** | **Requirement Number** | **Test Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | 1,3,4 | User clicks the “Recent Trips” link in the navigation bar. | User is taken to the Recent Trips page, where their recent trips to the store are displayed. | Upon clicking the “Recent Trips” button, the user is taken to the corresponding page where the user is shown the date and items purchased for the last five shopping trips. | Pass |
| 2 | 1,3,4 | User clicks the “Suggested Purchases” link in the navigation bar. | User is taken to the Suggested Purchases page where suggested products are displayed using their shopping history | Upon clicking the “Suggested Purchases” button, the user is taken to the corresponding page where the user is shown a table of items that have been determined to likely need purchasing. Appropriate items are displayed. | Pass |
| 3 | 1,3,4 | User clicks the “Popular Items” link in the navigation bar. | User is taken to Popular Items page where it shows the popular products based on shopping history. | Upon clicking the “Popular Items” button, the user is taken to the corresponding page where the user is shown a table of the top 10 purchased items. | Pass |
| 4 | 1,2,3,4 | From the home screen, the user clicks on “Add Products to Shopping List” and add item screen pops up. Once the user adds the details, the pop-up window remains to allow possible further item additions. | Item is added to database and shown in the current shopping list. The window remains open as prescribed. | Upon clicking the “Add Products to Shopping List” button from the home page, a the pop-up screen opens allowing the user to enter new item details. Once submitted, the window remains open. The newly added item has been verified to be added to the Suggested Purchases page, as prescribed. | Pass |
| 5 | 1,2,3,4 | User clicks “Save List” after shopping trip is completed | Shopping list items are saved to the database for future use, using the product ID and the date the item was purchased. | Upon checking the boxes next to purchased items on the suggested purchases page, and then submitting the form via the Submit button, the purchases are posted to the database. This is verified by an update to the Recent Trips page showing the latest trip details. | Pass |

# Shut Down Test Case

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case Number** | **Requirement Number** | **Test Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | 1 | User clicks the log out link in the right-hand side of the navigation bar. | User is logged out of the system and redirected to the log in page. | Upon clicking the “Log Out” button, the user is successfully logged out and redirected to the login screen. | Pass |

# Error handling Test Case

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case Number** | **Requirement Number** | **Test Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | 1,3,4 | User clicks the “Recent trips” link in the navigation bar intending to check the details from their recent shopping trips. | If an error is encountered connecting to the database, the algorithm will redirect the user back to the “Recent Trips” page indicating that there was an error connecting. | Upon clicking the “Recent Trips” button with a database connectivity issue\*, the Recent Trips page displays with a connectivity issue error. NOTE: Under typical operations, the user will never encounter this error. | Pass |
| 2 | 1,3,4 | User clicks the “Suggested Purchases” link in the navigation bar intending to review a suggested shopping list. | If an error is encountered connecting to the database, the algorithm with redirect the user back to the “Suggested Items” page indicating that there was an error connecting. | Upon clicking the “Suggested Purchases” button with a database connectivity issue\*, the Suggested Purchases page displays with a connectivity issue error. NOTE: Under typical operations, the user will never encounter this error. | Pass |
| 3 | 1,3,4 | User clicks the “Popular Items” in the navigation bar intending to review their most popular items. | If an error is encountered connecting to the database, the algorithm with redirect the user back to the “Popular Items” page indicating that there was an error connecting. | Upon clicking the “Popular Items” button with a database connectivity issue\*, the Popular Items page displays with a connectivity issue error. NOTE: Under typical operations, the user will never encounter this error. | Pass |
| 4 | 1,2,3,4 | User tries to click “Add Item” after entering item information (name and ID) intending to save the item in the database. | If an error is encountered connecting to the database, the algorithm will present an error to the user saying that the item could not be saved because of a connection error. | Upon clicking the “Add Item” button with a database connectivity issue\*, the Add Item dialog box page displays with a connectivity issue error. NOTE: Under typical operations, the user will never encounter this error. | Pass |
| 5 | 1,2,3,4 | User tries to click “Add Item” after entering item information (name and ID) intending to save the item in the database. | If the item already exists in the database, the user will be presented with an error but the existing product will be added to the shopping list | Upon attempting to add an item that is already in the database, the user is presented with a duplicate entry error and no action is taken. | Pass |
| 6 | 1,2,3,4 | User clicks “Save List” intending to save the shopping list items to the database for future use. | If an error is encountered connecting to the database, the algorithm will present the user with an error saying that the list was not saved because of a connection error. The current shopping list will not be erased at this time. | Upon clicking the “Submit” button on the “Suggested Purchases” page with a database connectivity issue\*, the Suggested Purchases page displays with a connectivity issue error. NOTE: Under typical operations, the user will never encounter this error. | Pass |
| \* Indicates a database connectivity breakage was simulated for testing purposes | | | | | |