

Add Product Panel (User Story 1)											
Description	Sample Input						Steps	Expected Output	Actual Output	Integration Test	
	Item Name	Buying Price	Selling Price	Quantity	Lot Number	Expiry Date				Date/Time Tested	Result
Invalid Input (Spaces alone for any input.)	*1 space*	*1 space*	*1 space*	*1 space*	*1 space*	July 2018	1. Put a space () character in the Item Name, Buying Price, Selling Price and Quantity fields. 2. Click Add button.	1. The message "Product cannot be added. Please enter valid product details." will be shown. 2. Add button will be disabled.	1. Product could not be added. 2. Please enter valid product details is shown	8/21/2016 -- 4:20 pm	Pass
Valid Input (Valid inputs are successfully added to database)	Biogesic	8.00	10.00	100	A1	July 2018	1. Enter all valid inputs to all fields. 2. Click Add button.	1. The message "Biogesic successfully added to the inventory!" will be shown. 2. Product list and database are updated.	1. Biogesic successfully added to the inventory. 2. Product list and database are updated	8/21/2016 -- 4:24 pm	Pass
Valid Input (Alphanumeric characters for item name)	Bactidol 100mL	80	90	100	A1	July 2018	1. Enter all valid inputs to all fields. 2. Click Add button.	1. The message "Bactidol 100 mL successfully added to the inventory!" will be shown. 2. Product list and database are updated.	1. Bactidol 100 mL successfully added to the inventory. 2. Product list and database are updated	8/21/2016 -- 4:26 pm	Pass
Valid Input (All special characters for item name)	KDSLJ-01	80	90	10	A1	July 2018	1. Enter all valid inputs to all fields. 2. Click Add button.	1. The message "KDSLJ-01 successfully added to the inventory!" will be shown. 2. Product list and database are updated.	1. KDSLJ-01 successfully added to the inventory. 2. Product list and database are updated	8/21/2016 -- 4:30 pm	Pass
Invalid Input (Duplicate item names with valid prices and quantity)	Biogesic	10	20	90	A1	July 2018	1. Enter all valid inputs to all fields. 2. Click Add button. 3. Once Item already exist message shows up, and if asked to treat item as a restock, press no.	1. The message "Product already exists!" will be shown. 2. Message that item will be treated as a restock will show. 3. No data will be added to the database or product list. 4. Add button will be disabled.	1. Product already exist message is shown 2. No data is added to the database	8/21/2016 -- 4:35 pm	Pass
Invalid Input (Duplicate item names but with invalid prices or quantity)	Biogesic	-10	20	90	A1	July 2018	1. Enter a negative number (-10) in the Buying Price field. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Product already exists!" will be shown. 2. No data will be added to the database or product list. 3. Add button will be disabled.	1. Product already exist is shown 2. Missing fields are highlighted	8/21/2016 -- 4:40 pm	Pass
Valid Input (Whole numbers for buying price. Price will automatically be turned to decimal form if not specified)	Neozep	10	20	100	A1	July 2018	1. Enter all valid inputs to all fields. 2. Click Add button.	1. The message "Neozep successfully added to the inventory!" will be shown. 2. Product list and database are updated.	1. The message "Neozep successfully added to the inventory!" will be shown. 2. Product list and database are updated.	8/21/2016 -- 4:45 pm	Pass
Valid Input (Decimal numbers for buying price)	Enervon	100.5	110	100	A1	July 2018	1. Enter a decimal number (100.5) in the Buying Price field. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Enervon successfully added to the inventory!" will be shown. 2. Product list and database are updated. 3. Buying price should not be rounded off	1. The message "Enervon successfully added to the inventory!" will be shown. 2. Product list and database are updated. 3. Buying price should not be rounded off	8/21/2016 -- 4:47 pm	Pass
Invalid Input (Alphabet letters for buying price.)	Advil	ten	10	100	A1	July 2018	1. Enter letters (ten) in the Buying Price field. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Please enter numbers for buying prices." will be shown. 2. No data will be added to the database or product list. 3. Add button will be disabled.	1. The message "Please enter numbers for buying prices." will be shown. 2. No data will be added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 4:50 pm	Pass
Invalid Input (Negative numbers for buying price. )	Bioflu	-15	20	80	A1	July 2018	1. Enter a negative number (-15) in the Buying Price field. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Negative values are not valid." will be shown. 2. No data is added to the database or product list. 3. Add button disabled	1. The message "Negative values are not valid." will be shown. 2. No data is added to the database or product list. 3. Add button disabled	8/21/2016 -- 4:55 pm	Pass
Valid Input (Whole numbers for selling price. Price will automatically be turned to decimal form if not specified)	Cherifer	10	20	100	A1	July 2018	1. Enter all valid inputs to all fields. 2. Click Add button.	1. The message "Cherifer successfully added to the inventory!" will be shown. 2. Product list and database are updated.	1. The message "Cherifer successfully added to the inventory!" will be shown. 2. Product list and database are updated.	8/21/2016 -- 5:00 pm	Pass
Valid Input (Decimal numbers for selling price)	Diatabs	10	11.5	100	A1	July 2018	1. Enter a decimal number (11.5) in the Selling Price field. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Diatabs successfully added to the inventory!" will be shown. 2. Product list and database are updated. 3. Selling price should not be rounded off	1. The message "Diatabs successfully added to the inventory!" will be shown. 2. Product list and database are updated. 3. Selling price should not be rounded off	8/21/2016 -- 5:03 pm	Pass
Invalid Input (Alphabet letters for selling price.)	Advil	10	ten	100	A1	July 2018	1. Enter letters (ten) in the Selling Price field. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Product must have numbers for selling prices." will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	1. The message "Product must have numbers for selling prices." will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:05 pm	Pass
Invalid Input (Negative numbers for selling price.)	Bioflu	15	-20	80	A1	July 2018	1. Enter a negative number (-20) in the Selling Price field. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Negative values are not valid." will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	1. The message "Negative values are not valid." will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:10 pm	Pass
Invalid Input (Selling price is lesser than buying price)	Paracetamol	10	10	100	A1	July 2018	1. In the Selling Price field, enter a number that is lesser than the number in the Buying Price. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Selling price must be greater than Buying price." will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	1. The message "Selling price must be greater than Buying price." will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:13 pm	Pass
Invalid Input (Expiry date is already past the current date)	Advil	80	90	100	A1	May 2018	1. Enter a date (May 2016) that is past the current date in the Expiry Date field. 2. Enter valid inputs to the other fields. 3. Click Add button.	1. The message "Product is already expired." will be shown. 2. Add button will be disabled.	1. The message "Product is already expired." will be shown. 2. Add button will be disabled.	8/21/2016 -- 5:15 pm	Pass

Valid Input (Expiry date is before current date)	Robitussin	20	30	100	A1	September 2018	1. Enter a date (September 2016) that is before the current date in the Expiry Date field. 2. Enter valid inputs to the other fields. 3. Click Add button.	1. The message "Robitussin successfully added to the inventory!" will be shown. 2. Product list and database are updated.	1. The message "Robitussin successfully added to the inventory!" will be shown. 2. Product list and database are updated.	8/21/2016 -- 5:18 pm	Pass
Valid Input (Whole numbers for quantity. Price will automatically be turned to decimal form if not specified)	Centrum	10	20	100	A1	July 2018	1. Enter all valid inputs to all fields. 2. Click Add button.	1. The message "Centrum successfully added to the inventory!" will be shown. 2. Product list and database are updated.	1. The message "Centrum successfully added to the inventory!" will be shown. 2. Product list and database are updated.	8/21/2016 -- 5:20 pm	Pass
Invalid Input (Alphabet letters for quantity.)	Advil	10	20	fifty	A1	July 2018	1. Enter letters (fifty) in the Quantity field. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Please enter numbers for quantity" will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	1. The message "Please enter numbers for quantity" will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:22 pm	Pass
Invalid Input (Decimal numbers for quantity)	Paracetamol	15	20	80.5	A1	July 2018	1. Enter a decimal number (80.5) in the Quantity field. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Please enter a valid quantity" will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	1. The message "Please enter a valid quantity" will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:25 pm	Pass
Invalid Input (Negative numbers for quantity.)	Bioflu	15	20	-80	A1	July 2018	1. Enter a negative number (-80) in the Quantity field. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Negative values are not valid." will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	1. The message "Negative values are not valid." will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:27 pm	Pass
Invalid Input (Zero value for buying, selling prices and quantity)	Lagundi	0	0	0	A1	July 2018	1. Enter the number zero (0) in the Buying Price, Selling Price and Quantity fields. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Zero values are not valid." will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	1. The message "Zero values are not valid." will be shown. 2. No data is added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:30 pm	Pass
Invalid Input (Combination of invalid inputs)	Lagundi	0	20	-5	A1	June 2018	1. Enter the number zero (0) in the Buying Price field. 2. Enter a negative number (-5) in the Quantity field. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The messages "Product already exists!", "Zero values are not valid.", and "Negative values are not valid." will be shown. 2. No data will be added to the database or product list. 3. Add button will be disabled.	1. The messages "Product already exists!", "Zero values are not valid.", and "Negative values are not valid." will be shown. 2. No data will be added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:32 pm	Pass
Invalid Input (All fields are empty)	Blank	Blank	Blank	Blank	Blank	Blank	1. Leave all fields blank. 2. Click Add button.	1. The message "Please enter product details!" will be shown near the missing fields. 2. Add button will be disabled.	1. The message "Please enter product details!" will be shown near the missing fields. 2. Add button will be disabled.	8/21/2016 -- 5:33 pm	Pass
Invalid Input (Empty item name)	Blank	10	20	90	A1	July 2018	1. Leave the Item Name field blank. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Product must have a name." will be shown near the missing fields. 2. No data will be added to the database or product list. 3. Add button will be disabled.	1. The message "Product must have a name." will be shown near the missing fields. 2. No data will be added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:34 pm	Pass
Invalid Input (Empty buying price field)	Solmux	Blank	20	90	A1	July 2018	1. Leave the Buying Price field blank. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Product must have a buying price." will be shown near the missing fields. 2. No data is added to the database or product list. 3. Add button will be disabled.	1. The message "Product must have a buying price." will be shown near the missing fields. 2. No data is added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:35 pm	Pass
Invalid Input (Empty selling price field)	Solmux	10	Blank	90	A1	July 2018	1. Leave the Selling Price field blank. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Product must have a selling price." will be shown near the missing fields. 2. No data is added to the database or product list. 3. Add button will be disabled.	1. The message "Product must have a selling price." will be shown near the missing fields. 2. No data is added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:36 pm	Pass
Invalid Input (Empty quantity field)	Solmux	10	20	Blank	A1	July 2018	1. Leave the Quantity field blank. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Product must have a quantity." will be shown near the missing fields. 2. No data is added to the database or product list. 3. Add button will be disabled.	1. The message "Product must have a quantity." will be shown near the missing fields. 2. No data is added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:37 pm	Pass
Invalid Input (Empty Lot Number)	Solmux	10	20	90	Blank	July 2018	1. Leave the Lot Number field blank. 2. Enter valid inputs to other fields. 3. Click Add button.	1. The message "Product must have a lot number" will be shown near the missing fields. 2. No data is added to the database or product list. 3. Add button will be disabled.	1. The message "Product must have a lot number" will be shown near the missing fields. 2. No data is added to the database or product list. 3. Add button will be disabled.	8/21/2016 -- 5:40 pm	Pass

Restock Panel (User Story 5)											
Description	Sample Input						Steps	Expected Output	Actual Output	Integration Test	
	Item Name	Quantity	Lot Number	Expiry Date	Selling Price	Buying Price				Date/Time Tested	Result
Invalid Input (All fields empty)	Blank	Blank	Blank	Blank			1. Leave all fields blank. 2. Click Restock button.	Invalid Restock (Restock does not happen) Blank Fields are highlighted	Blank fields are highlighted Restock does not happen	8/21/2016 – 6:10 pm	Pass
Valid Input	Tiki-tiki Plus Drops	10	A1	Oct 2018			1. Enter in all valid inputs. 2. Click Restock button.	The message "10 pieces of Tiki-tiki Drops added." will appear Batch list is updated	Restock happens. Batch list is updated	8/21/2016 – 6:15 pm	Pass
Invalid Input (Missing Input: Product/Item)	Blank	10	A1	Oct 2018			1. Leave Item name field blank 2. Input all valid inputs for the other fields 3. Click Restock	Item Missing! (Restock does not happen) Missing Fields are highlighted	Restock does not happen Missing Fields are highlighted	8/21/2016 – 6:20 pm	Pass
Invalid Input (Missing Input: Quantity)	Advil 200 mg	Blank	A1	Oct 2018			1. Leave Quantity field blank 2. Input all valid inputs for the other fields 3. Click Restock	Item Quantity Missing! (Restock does not happen) Missing Fields are highlighted	Restock does not happen Missing Fields are highlighted	8/21/2016 – 6:22 pm	Pass
Invalid Input (Missing Input: Lot Number)	Advil 200 mg	10	Blank	Oct 2018			1. Leave Lot Number field blank 2. Input all valid inputs for the other fields 3. Click Restock	Item should have a lot number (Restock does not happen) Missing Fields are highlighted	Restock does not happen Missing Fields are highlighted	8/21/2016 – 8:30 pm	Pass
Invalid Input (Missing Input: Expiry Date)	Advil 200 mg	10	A1	Blank			1. Leave Expiry Date blank 2. Input all valid inputs for the other fields 3. Click Restock	Expiry Date Missing! (Restock does not happen) Missing Fields are highlighted	Restock does not happen Missing Fields are highlighted	8/21/2016 – 8:35 pm	Pass
Invalid Input (Expiry Date has passed)	Advil 200 mg	10	A1	Jan 2016			1. Enter all valid fields 2. Set expiry date to a past date 3. Click Restock	Expiry Date has passed	Unable to input Expire date (even if PC date has been changed)	8/21/2016 – 8:40 pm	Pass
Invalid Input (Expiry Date has passed)	Advil 200 mg	10	A1	Jan 1997			1. Enter all valid fields 2. Change PC date to past 3. Input a past date 4. Click Restock	Expiry Date has passed (Restock does not happen)	Unable to input Expire date (even if PC date has been changed)	8/21/2016 – 8:40 pm	Pass
Invalid Input (Item is already in the database)	Some Generic Medicine	25	A1	Oct 2018			1. Enter all valid fields 2. Name should be an existing item 3. Click Restock	Item could not be restocked because item is not in the database. Item should be added first	Restock did not happen	8/21/2016 – 9:09 pm	Pass
Invalid Input (Quantity could not be zero)	Advil 200 mg	0	A1	Oct 2018			1. Input all valid fields except for Quantity 2. Set Quantity as 0 3. Click Restock	0 is not a valid restock value (Restock does not happen)	Restock does not happen. Error message shows that 0 is not a valid input	8/21/2016 – 9:10 pm	Pass
Invalid Input (Quantity could not be a negative number)	Advil 200 mg	-22	A1	Oct 2018			1. Input all valid fields except for Quantity 2. Set Quantity as a negative number 3. Click Restock	Negative numbers are not valid inputs (Restock does not happen)	Restock does not happen. Error message shows that negative values are not valid inputs	8/21/2016 – 9:12 pm	Pass
Invalid Input (Quantity could not be a character, only integer values accepted)	Advil 200 mg	ABCD	A1	Oct 2018			*1. Input all valid fields except for Quantity 2. Set Quantity as a character 3. Click Restock*	Invalid Quantity Data Type (Restock does not happen)	Restock does not happen. Error message shows that 0 is not a valid input	8/21/2016 – 9:13 pm	Pass
Invalid Input (Quantity value could not have a decimal)	Advil 200 mg	3.5	A1	Oct 2018			1. Input all valid fields except for Quantity 2. Set Quantity as a number with decimal value 3. Click Restock	Invalid Quantity (Restock does not happen)	Restock does not happen. Error message shows that decimal values is not a valid input	8/21/2016 – 9:15 pm	Pass
Valid Input (Change Buying Price)	Advil 200 mg	10	A1	Oct 2018	20.5		1. Input all valid fields 2. Click check box to update Buying Price 3. Change buying price to a different value 4. Click Restock	1. Item should restock in batches list 2. Buying price should change	Restock Happens. Buying price updates	8/21/2016 – 9:18 pm	Pass
Valid Input (Change Selling Price)	Advil 200 mg	10	A1	Oct 2018		25.5	1. Input all valid fields 2. Click check box to update Selling Price 3. Change selling price to a different value 4. Click Restock	1. Item should restock in batches list 2. Selling price should change	Restock Happens. Selling price updates	8/21/2016 – 9:19 pm	Pass
Valid Input (Change Prices)	Advil 200 mg	10	A1	Oct 2018	21.5	22	1. Input all valid fields 2. Click check box to update Buying and Selling Price 3. Change buying price and selling price to a different value 4. Click Restock	1. Item should restock in batches list 2. Buying Price and Selling Price should change	Restock Happens. Both Prices are updated	8/21/2016 – 9:21 pm	Pass
Invalid Input (Buying Price > Selling Price)	Advil 200 mg	10	A1	Oct 2018	22.5	22	1. Input all valid fields 2. Click check box to update Buying and Selling Price 3. Change buying price to a different value higher than the selling price value 4. Click Restock	1. Item should not restock 2. Error message shows up saying that Selling Price should be higher than the Buying Price	Restock does not happen. Error message shows up.	8/21/2016 – 9:22 pm	Pass

Invalid Input (Buying Price = Selling Price)	Advil 200 mg	10	A1	Oct 2018	22.5	22	1. Input all valid fields 2. Click check box to update Buying and Selling Price 3. Change buying price to a different value equal to the selling price value 4. Click Restock	1. Item should not restock 2. Error message shows up saying that Selling Price should be higher than the Buying Price	Restock does not happen. Error message shows up.	8/21/2016 – 9:23 pm	Pass
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Re-order Point Panel (User Story 3)									
Description	Sample Input		Steps	Expected Output	Actual Output	Test #1		Test #2	
	Critical Point: High Demand	Critical Point: Low Demand				Date/Time Tested	Result	Date/Time Tested	Result
Valid Input (User changes critical point)	200	200	1. Open reorder panel. 2. Set Critical Point of Both to 200.	1. The message "Critical Point has been changed!" will be shown. 2. Database will be updated.	Critical Point changed. Values are updated.	8/21/2016 -- 11:00 pm	Pass	8/23/2016 -- 11:00 pm	Pass
Valid Input (User changes critical point to less than the past critical point)	150	150	1. Open reorder panel. 2. Set Critical Point of Both to 150	1. The message "Critical Point has been changed!" will be shown. 2. Database will be updated.	Critical Point changed. Values are updated.	8/21/2016 -- 11:10 pm	Pass	8/23/2016 -- 11:10 pm	Pass
Invalid Input (Missing Input: Quantity)	150	Blank		1. The message "Quantity missing!" will be shown. 2. Database should not be updated.	No error message shown. No highlight regarding missing inputs. Database does not update	8/21/2016 -- 11:15 pm	Fail	8/23/2016 -- 11:15 pm	Pass
Invalid Input (Missing Input: Item Missing)	Blank	200		1. The message "Please select item to be changed." will be shown. 2. Database should not be updated.	No error message shown. No highlight regarding missing input Database does not update	8/21/2016 -- 11:20 pm	Fail	8/23/2016 -- 11:20 pm	Pass
Invalid Input (New critical point is the same as current)	*same critical point as current*	*same critical point as current*		1. The message "Quantity was not changed." will be shown. 2. Database should not be updated.	No error message regarding quantity not being changed, but the system accepts the inputs	8/21/2016 -- 11:22 pm	Fail	8/23/2016 -- 11:22 pm	Pass
Invalid Input (Quantity cannot be 0)	0	0		1. The message "Invalid Quantity Input!" will be shown. 2. Database should not be updated.	No error message. Database does not update.	8/21/2016 -- 11:30 pm	Fail	8/23/2016 -- 11:30 pm	Pass
Invalid Input (Quantity cannot be character values)	one hundred	two hundred		1. The message "Invalid Quantity Input!" will be shown. 2. Database should not be updated.	No error message. Database does not update.	8/21/2016 -- 11:35 pm	Fail	8/23/2016 -- 11:35 pm	Pass
Invalid Input	*1 space*	*1 space*		1. The message "Invalid Quantity Input!" will be shown. 2. Database should not be updated.	No error message. Database does not update.	8/21/2016 -- 11:40 pm	Fail	8/23/2016 -- 11:40 pm	Pass



Sale Panel (User Story 6)							
Description	Sample Input		Steps	Expected Output	Actual Output	Test #1	
	Item Name	Quantity				Date/Time Tested	Result
Valid Input (One Item Transaction)	Bioflu Tablet	20	1. Open Sale tab 2. Select Bioflu Tablet from list 3. Enter input in Quantity field. 4. Click Add to Cart button 4. Click Record button.	1. Sold quantity is deducted from the quantity in the earliest batch of the product list 2. Sale transaction is recorded in database	1. Sold quantity is deducted from the quantity in the earliest batch of the product list 2. Sale transaction is recorded in database	8/21/2016 -- 10:31 pm	Pass
Valid Input (Multiple Item Transaction)	Advil 200mg, Bioflu Tablet	10, 5	1. Open Sale tab 2. Select Advil 200mg from list 3. Enter input in Quantity field. 3. Click Add to Cart button 4. Click Record button. 5. Enter Bioflu Tablet	1. Sold quantity is deducted from the quantity in the earliest batch of each product 2. Sale transaction is recorded in database	1. Sold quantity is deducted from the quantity in the earliest batch of each product 2. Sale transaction is recorded in database	8/21/2016 -- 10:34 pm	Pass
Valid Input (Same Item added to check if the quantity of the same product iterates)	Bioflu Tablet	20	1. Open Sale tab 2. Select Bioflu Tablet from list 3. Enter input in Quantity field. 4. Click Add to Cart button 5. Click Record button. 6. Add another Bioflu Tablet transaction 7. Click Record button.	1. Sold quantity is deducted from the quantity in the earliest batch of each product 2. Quantity of Bioflu Tablet increases, instead of having duplicate Bioflu Tablet entries in the cart 3. Sale transaction is recorded in database	1. Sold quantity is deducted from the quantity in the earliest batch of each product 2. Quantity of Bioflu Tablet increases, instead of having duplicate Bioflu Tablet entries in the cart 3. Sale transaction is recorded in database	8/21/2016 -- 10:37 pm	Pass
Invalid Input (Missing Quantity: One Item Transaction.)	Bioflu Tablet	Blank	1. Open Sale tab 2. Select Bioflu Tablet	1. Sale Transaction will not be recorded. 2. A message "Please enter quantity sold" will be shown 3. Transaction is not stored in database	1. "Add to Cart" button is disabled when no quantity is entered	8/21/2016 -- 10:50 pm	Pass
Invalid Input (Missing Name: One Item Transaction.)	*no name selected*	20	1. Open Sale tab 2. Do not select an item from the list 3. Enter input in Quantity field. 3. Click Add to Cart button 4. Click Record button	1. Sale Transaction will not be recorded. 2. A message "Please select name of the product sold from the list" will be shown 3. Transaction is not stored in database	1. Quantity field is disabled when no product is selected	8/21/2016 -- 10:52 pm	Pass
Invalid Input (Alphabet letters for Quantity inputs)	Bioflu Tablet	twenty	1. Open Sale tab 2. Select Bioflu Tablet from the list 3. Enter letters (twenty) in Quantity field. 3. Click Add to Cart button 4. Click Record button	1. Sale Transaction will not be recorded. 2. A message "Please enter numbers for quantity values " will be shown 3. Transaction is not stored in database	1. The message "Quantity must be a positive whole number" is shown. 2. Product is not added to the cart	8/21/2016 -- 10:55 pm	Pass
Invalid Input (Decimal numbers for Quantity inputs)	Bioflu Tablet	10.5	1. Open Sale tab 2. Select Bioflu Tablet from the list 3. Enter a decimal number (10.5) in Quantity field. 3. Click Add to Cart button 4. Click Record button	1. Sale Transaction will not be recorded. 2. A message "Please enter numbers for quantity values " will be shown 3. Transaction is not stored in database	1. The message "Quantity must be a positive whole number" is shown. 2. Product is not added to the cart	8/21/2016 -- 10:57 pm	Pass
Invalid Input (Negative numbers for Quantity inputs)	Bioflu Tablet	-10	1. Open Sale tab 2. Select Bioflu Tablet from the list 3. Enter a negative number (-10) in Quantity field. 3. Click Add to Cart button 4. Click Record button	1. Sale Transaction will not be recorded. 2. A message "Please enter numbers for quantity values " will be shown 3. Transaction is not stored in database	1. The message "Quantity must be greater than 0" is shown. 2. Product is not added to the cart	8/21/2016 -- 10:58 pm	Pass

Invalid Input (Missing Input: All)	Blank	Blank	1. Leave all fields blank. 2. Click Add to Cart button.	1. Sale Transaction will not be recorded. 2. Messages will be shown beside all the missing fields 3. Transaction is not stored in database	The message "Product must have a quantity" is shown.	8/21/2016 -- 11:00 pm	Pass
Valid Input (Removing items from the cart)	Bioflu Tablet		1. Add Bioflu Tablet to the cart 2. Select Bioflu Tablet from the cart. 3. Click Remove button.	1. Bioflu Tablet will be removed fro	Bioflu Tablet was removed from the cart	8/21/2016 -- 11:05 pm	Pass

Product List Panel (User Story 4)							
Description	Sample Input	Steps	Expected Output	Actual Output	Test #1		
	Item Name				Date/Time Tested	Result	
Valid Input (Default order of list)	*no Input*	1. Open the Product List tab.	1. The product list is shown in alphabetical order. 2. All the information will be shown above.	Product List is shown in alphabetical order.	8/21/2016 -- 9:27 pm	Pass	
Valid Input (Searching a product that exists)	Advil	1. Open the Product List tab. 2. Select Advil from the list.	1. The product Advil 200 mg and all of it's information will be shown. 2. List of Batches of the Product is shown.	1. The product Advil 200 mg and all of it's information will be shown. 2. List of Batches of the Product is shown.	8/21/2016 -- 9:29 pm	Pass	
Valid Input (Searching a product that does not exist)	asdASF	1. Type a product (asdASF) that is not in the product list. 2. Click the Search button.	No information is shown	No information is shown	8/21/2016 -- 9:30 pm	Pass	

Discontinue Panel (User Story 2)						
Description	Sample Input	Steps	Expected Output	Actual Output	Integration Test	
	Item Name				Date/Time Tested	Result
Valid Input (User confirms discontinuation of item)	Solmux	1. Open the Product List tab 2. Select the product name from the list. 3. Click Discontinue button. 4. A window will pop-up asking "Are you sure you want to discontinue Solmux?" 5. Select Yes option.	1. A window will pop-up asking "Are you sure you want to discontinue Solmux?" 2. The window exits and the product is removed from the list but still remains in the database.	1. Window pops up asking "Discontinue Solmux from the inventory?" 2. Solmux is deleted from the product list	8/21/2016 -- 11:30 pm	Pass
Valid Input (User cancels discontinuation of item)	Solmux	1. Open the Product List tab 2. Select the product name from the list. 3. Click Discontinue button. 4. A window will pop-up asking "Are you sure you want to discontinue Solmux?" 5. Select Cancel option.	1. A window will pop-up asking "Are you sure you want to discontinue Solmux?" 2. The window exits and the product is not removed from the product list	1. Window pops up asking "Discontinue Solmux from the inventory?" 2. Solmux is not deleted from the product list	8/21/2016 -- 11:30 pm	Pass
Invalid Input (No product was selected)	Blank	1. Open the Product List tab 2. Do not select any item. 3. Click Discontinue button.	1. The message "Select an item to be discontinued." will be shown.	The Discontinue button is disabled when no product is selected	8/21/2016 -- 11:31 pm	Pass
Valid Input (Discontinued item cannot be added in new sale transactions)	Enervon	1. Discontinue Enervon (if still on the product list) 2. Open the Sale tab	1. Enervon will not appear in the product list in the Sale tab.	The discontinued product did not appear on the li	8/21/2016 -- 11:35 pm	Pass
Valid Input (Discontinued item cannot be restocked)	Enervon	1. Discontinue Enervon (if still on the product list) 2. Open the Product List tab 3. Select Enervon from the list. 4. Click Restock button	1. Enervon will still appear in the product list in the Product List tab. 2. A message "Enervon is discontinued. Product cannot be restocked." will appear.	The discontinued product did not appear on the p	8/21/2016 -- 11:36 pm	Pass

Sales Report Panel (User Story 8)							
Description	Sample Input	Steps	Expected Output	Actual Output	Test #1		
	Sales Report Option				Date/Time Tested	Result	
Valid Input (Viewing total sales for the day)	Today	1. Open Sales Report window 2. Select the Today option	1. The current day's sales would be displayed	The total cash sales of the current day are displayed	8/21/2016 -- 12:00 am	Pass	
Valid Input (Viewing total sales of the past number of days)	Past 7 days	1. Open Sales Report window 2. Select the Past _ days option 3. Enter 7 in the box	1. The total sales of the past seven days would be displayed 2. The user should be able to check the total sales of any number of days prior to the current one	1. The cash sales of each of the past 7 days is shown 2. The total cash sales of all these days is also displayed	8/22/2016 -- 12:20 am	Pass	
Invalid Input (Entering no number for the Past days option)	Past _ days	1. Open Sales Report window 2. Select the Past _ days option 3. Empty the number in the box	A message "Enter a number of days" will be shown	A message "Product must have a quantity" is shown	8/23/2016 -- 2:30 am	Pass	
Valid Input (Default custom range)	Custom Range: Aug 17, 2016 - Aug 22, 2016	1. Open Sales Report window 2. Select the Custom Range option	1. The total sales of Aug 17 to Aug 22 would be displayed 2. The user should be able to check the total sales of any day prior to the current one 3. The first date can be adjusted to any date	The total sales of Aug 17 to Aug 22 was displayed	8/23/2016 -- 2:31 am	Pass	
Invalid Input (Changing second date to one that's after the current date)	Custom Range: Aug 17, 2016 - Aug 30, 2018	1. Open Sales Report window 2. Select the Custom Range option 3. Adjust the second date to Aug 30, 2018	The second date should not be able to extend past the current date	After changing the second date, it reverts back to the current date	8/22/2016 -- 12:50 am	Pass	