

**Requirement Traceability Matrix**

TestCase#	BR#	Test Requirement#	Test Case	Test Steps	Test Data	Expected Result
S-01	BR1	T01	Verify Search	1. Open Browser 2. Launch the website 3. Enter the valid menu item name 4. Close Browser	"Espresso"	Match Espresso menu
S-02		T02	Verify Search	1. Open Browser 2. Launch the website 3. Enter the invalid menu item name 4. Close Browser	"zzz"	Not match the menu item
S-03		T03	Verify Search	1. Open Browser 2. Launch the website 3. Enter the name menu item name 4. Close Browser	"matcha"	The website will display the menu items that include "matcha" in their name and the total number of matched items is 5
P-01	BR2	T04, T05	Sort by price	1. Open Browser 2. Launch the website 3. Select "Sort by Price: High to Low" option 4. Close Browser	button_SortPriceHighLow	Items are displayed in descending order by price.
P-02		T06, T07	Sort by price	1. Open Browser 2. Launch the website 3. Select "Sort by Price: Low to High" option 4. Close Browser	button_SortPriceLowHigh	Items are displayed in ascending order by price.

A-01	BR3	T08	Add to cart	<ol style="list-style-type: none"> <li>1. Open Browser</li> <li>2. Launch the Website</li> <li>3. Scroll down the page to find the Latte product card and click on the '+' button located on the Latte product card</li> <li>4. Select the 'Cold' button to change the drink to 'Cold'</li> <li>5. Choose an add-on of Oat Milk (15.-)</li> <li>6. Choose another add-on of Brown Sugar Jelly (15.-)</li> <li>7. Change the sweetness to 100%</li> <li>8. Click the 'Add to Cart' button</li> <li>9. Close the success popup</li> <li>10. Close Browser</li> </ol>	Drink: Latte DrinkType: Cold Add-ons: Oat Milk (15), Brown Sugar Jelly (15) Sweetness : 100%	The drink with selected add-ons is added to the cart, showing a success message.
A-02		T09	Add to cart	<ol style="list-style-type: none"> <li>1. Open Browser</li> <li>2. Launch the Website</li> <li>3. Scroll down the page to find the Pinky Milk product card</li> <li>4. Navigate to the next page using pagination</li> </ol>	Drink: Pinky Milk DrinkType: Cold Sweetness : 100%	The drink without add-ons is added to the cart, showing a success message.

				5. Scroll down the page to find the Pinky Milk product card and click the '+' button on the Latte product card 6. Select the 'Cold' button to change the drink to 'Cold' 7. Change the sweetness to 100% 8. Click the 'Add to Cart' button 9. Close the success popup 10. Close Browser		
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### Business Requirement

BR#	Module Name	Applicable Roles	Description
BR1	Search	Customer	<b>Customer:</b> A customer can search for a specific drink using the search bar on the homepage.
BR2	Sort by price	Customer	<b>Customer:</b> A customer can sort drink prices using High-Low or Low-High options.
BR3	Add to cart	Customer	<b>Customer:</b> A customer can add the desired menu items to the cart with or without an add-on option.

### Technical Requirement Document

T01	The system must return relevant menu items when a valid search query is entered.
T02	The system must display an image with "No results found" when no menu items match the search query.
T03	The system must return multiple matching menu items when the search term has more than one result.

T04	The system must provide an option to sort the products by price from high to low.
T05	The system must return a list of menu items with their prices sorted from high to low when an option to sort from high to low is selected.
T06	The system must provide an option to sort the products by price from low to high.
T07	The system must return a list of menu items with their prices sorted from low to high when an option to sort from low to high is selected.
T08	The system must allow the user to select single or multiple add-ons when customizing a drink and add them to the cart.
T09	The system must allow users to add a drink to the cart without selecting any add-ons.