System Testing

Test Case 1.1: Search	
Test Case ID: S-01	Test Designed by: Echo
Test priority: Medium	Test Designed Date: 14/11/2024
Module Name: Search Functionality	Test Executed By: Echo
Test Title: Verify search menu item with valid inputs	Test Execution Date: 14/11/2024

Description: Ensure the **search functionality** works correctly when valid inputs (such as a valid menu item name) are provided.	
Pre-conditions: The frontend is running on http://localhost:3000/ and the backend web service of http://localhost:30 30/ is running.	
Dependencies: A database with searchable menu items.	

Step	Test Steps	Test Data	Expected Result	Actual result	Status	Notes
1.	Open Browser	N/A	The browser is opened.	The browser is opened.	Pass	
2.	Launch the website	N/A	The website homepage is displayed	Bash Coffee homepage (Navigate to 'http://localhost:3000/' successfully)	Pass	
3.	Enter the valid menu item name	"Espresso"	Match Espresso menu	The product card of Espresso is displayed in the explore menu section and the number of matched items is	Pass	

				one.		
4.	Close Browser	N/A	Browser is closed	Browser is closed	Pass	

Post-condition: The browser is closed, and no further interactions are possible.

Test Case 1.2: Search

Test Case ID: S-02	Test Designed by: Echo
Test priority: Medium	Test Designed Date: 14/11/2024
Module Name: Search Functionality	Test Executed By: Echo
Test Title: Verify search menu item with invalid inputs	Test Execution Date: 14/11/2024

Description: Ensure the search functionality works for invalid inputs.

Pre-conditions: The frontend is running on http://localhost:3000/ and the backend web service of http://localhost:3030/ is running.

Dependencies: A database with searchable menu items.

Step	Test Steps	Test Data	Expected Result	Actual result	Status	Notes
1.	Open Browser	N/A	The browser is opened.	The browser is opened.	Pass	
2.	Launch the website	N/A	The website homepage is displayed	Bash Coffee homepage (Navigate to 'http://localhost:3000/' successfully)	Pass	
3.	Enter invalid menu item name	"zzz"	Not match the menu item	The Explore Our Menu section shows a 'No result' image.	Pass	
4.	Close Browser	N/A	Browser is closed	Browser is closed	Pass	

Post-condition: The browser is closed, and no further interactions are possible.

Test Case 1.3: Search

Test Case ID: S-03	Test Designed by: Echo
Test priority: Medium	Test Designed Date: 14/11/2024
Module Name: Search Functionality	Test Executed By: Echo
Test Title: Verify search menu item that returns multiple matched items	Test Execution Date: 14/11/2024

Description: Ensure the search functionality works for multiple matched items.

Pre-conditions: The frontend is running on http://localhost:3000/ and the backend web service of http://localhost:3030/ is running.

Dependencies: A database with searchable menu items.

Step	Test Steps	Test Data	Expected Result	Actual result	Status	Notes
1.	Open Browser	N/A	The browser is opened.	The browser is opened.	Pass	
2.	Launch the website	N/A	The website homepage is displayed	Bash Coffee homepage (Navigate to 'http://localhost:3000/' successfully)	Pass	
3.	Enter the name of the menu	"matcha"	The website will display the menu items that include "matcha" in their name and the total number of matched items is 5.	The website displays the 5 menus that include "matcha" in their name.	Pass	
4.	Close Browser	N/A	Browser is closed	Browser is closed	Pass	

Post-condition: The browser is closed, and no further interactions are possible.

Test Case 2.1: Sort by Price

Test Case ID: P-01	Test Designed by: Echo
Test priority: Medium	Test Designed Date: 14/11/2024
Module Name: Sort Functionality	Test Executed By: Echo
Test Title: Verify sorting by price, high to low	Test Execution Date: 14/11/2024

Description: Ensure that the sort functionality works correctly to display menu items sorted by price, from high to low.

Pre-conditions: The frontend is running on http://localhost:3000/ and the backend web service of http://localhost:3030/ is running.

Dependencies: A database with searchable menu items.

Step	Test Steps	Test Data	Expected Result	Actual result	Status	Notes
1.	Open Browser	N/A	The browser is opened.	The browser is opened.	Pass	
2.	Launch the website	N/A	The website homepage is displayed	Bash Coffee homepage (Navigate to 'http://localhost:3000/' successfully)	Pass	
3.	Select "Sort by Price: High to Low" option	button_SortPriceHighLow	The website displays menu items sorted by price in descending order.	Items are displayed in descending order by price.	Pass	
4.	Close Browser	N/A	Browser is closed	Browser is closed	Pass	

Post-condition: The browser is closed, and no further interactions are possible.

Test Case 2.2: Sort by Price

Test Case ID: P-02	Test Designed by: Echo
Test priority: Medium	Test Designed Date: 14/11/2024
Module Name: Sort Functionality	Test Executed By: Echo
Test Title: Verify sort by price, low to high	Test Execution Date: 14/11/2024

Description: Ensure that the sort functionality works correctly to display menu items sorted by price, from low to high.

Pre-conditions: The frontend is running on http://localhost:3000/ and the backend web service of http://localhost:30 30/ is running.

Dependencies: A database with searchable menu items.

Step	Test Steps	Test Data	Expected Result	Actual result	Status	Notes
1.	Open Browser	N/A	The browser is opened.	The browser is opened.	Pass	
2.	Launch the website	N/A	The website homepage is displayed	Bash Coffee homepage (Navigate to 'http://local host:3000/' successfull y)	Pass	
3.	Select "Sort by Price: Low to High" option	button_Sor tPriceLow High	The website displays menu items sorted by price in ascending order.	Items are displayed in ascending order by price.	Pass	
4.	Close Browser	N/A	Browser is closed	Browser is closed	Pass	

Post-condition: The browser is closed, and no further interactions are possible.

Test Case 3.1: Add to cart

Test Case ID: A-01	Test Designed by: Echo
Test priority: High	Test Designed Date: 14/11/2024
Module Name: Add to cart Functionality, Add-ons Functionality	Test Executed By: Echo
Test Title: Verify both select add-ons for drinks when adding menu items to the cart.	Test Execution Date: 14/11/2024

Description: Ensure users can add optional add-ons (e.g., milk, sugar) to their drink orders when adding menu items to the cart.						
Pre-conditions: The frontend is running on http://localhost:3000/ and the backend web service of http://localhost:30 30/ is running.						
Dependencies: A database with searchable menu items.						
Step	Test Steps	Test Data	Expected Result	Actual result	Status	Notes
1.	Open Browser	N/A	The browser is opened.	The browser is opened.	Pass	
2.	Launch the website	N/A	The website homepage is displayed.	Bash Coffee homepage (Navigate to 'http://local host:3000/' successfull y)	Pass	
3.	Scroll down the page to find a Latte product card and click on the '+' button located on the Latte product card.	button_Plu s	The website will show the Latte menu.	The website will show the Latte menu.	Pass	
4.	Select the 'Cold' button to change	button_Col d	The drink option	The drink option	Pass	

			changes to Cold.	changes to Cold.		
5.	Choose an add-on of Oat milk (15.-).	button_Oat Milk (15.-)	The Oat milk (15.-) is selected, and the price is updated.	The Oat milk (15.-) is selected, and the price is updated to 80.	Pass	
6.	Choose another add-on of Brown Sugar Jelly (15.-).	button_Brown Sugar Jelly (15.-).	The second add-on is selected, and the price is updated.	The Brown Sugar Jelly (15.-) is selected, and the price is updated to 95.	Pass	
7.	Change the sweetness to 100%.	button_100	The sweetness changes to 100.	The sweetness changes to 100.	Pass	
8.	Click add to cart button	button_Add to cart	The message displays "Item added to cart successfully!"	The message displays "Item added to cart successfully!"	Pass	
9.	Close the success popup	button_close	The success popup is closed.	The browser is closed and the system navigates the user to the homepage.	Pass	
10.	Close Browser	N/A	Browser is closed	Browser is closed	Pass	
Post-condition: The browser is closed, and no further interactions are possible.						

Test Case 3.2: Add to cart	
Test Case ID: A-02	Test Designed by: Echo
Test priority: High	Test Designed Date: 14/11/2024
Module Name: Add to cart Functionality, Add-ons Functionality	Test Executed By: Echo
Test Title: Verify non-select adding add-ons for drinks when adding menu items to the cart.	Test Execution Date: 14/11/2024
Description: Ensure users can select not to add optional add-ons to their drink orders when adding menu items to the cart.	
Pre-conditions: The frontend is running on http://localhost:3000/ and the backend web service of http://localhost:3030/ is running.	
Dependencies: A database with searchable menu items.	

Step	Test Steps	Test Data	Expected Result	Actual result	Status	Notes
1.	Open Browser	N/A	The browser is opened.	The browser is opened.	Pass	
2.	Launch the website	N/A	The website homepage is displayed.	Coffee homepage (Navigate to 'http://local host:3000/' successfull y)	Pass	
3.	Scroll down the page to find a Pinky Milk product card	N/A	The website does not show the Pinky Milk menu.	The website does not show the Pinky Milk menu.	Pass	
4.	Navigate the pagination to the next page	Next button	The website redirects to the next page.	The website redirects to the next page.	Pass	
5.	Scroll down the	button_Plu	The	The	Pass	

	page to find a Pinky Milk product card and click on the '+' button on the Latte product card.	s	website shows the Pinky Milk menu.	website shows the Pinky Milk menu.		
4.	Select the 'Cold' button to change the drink to 'Cold'.	button_Cold	The drink option changes to Cold.	The drink option changes to Cold.	Pass	
5.	Change the sweetness to 100%.	button_100	The sweetness changes to 100.	The sweetness changes to 100.	Pass	
6.	Click add to cart button	button_Add to cart	The message displays "Item added to cart successfully!"	The message displays "Item added to cart successfully!"	Pass	
7.	Close the success popup	button_close	The success popup is closed.	The browser is closed and the system navigates the user to the homepage.	Pass	
8.	Close Browser	N/A	Browser is closed	Browser is closed	Pass	
Post-condition: The browser is closed, and no further interactions are possible.						