

Test Case 1.1: Increase Cart Item Quantity					
Test Case ID: Cart_01			Test Designed by: Noppogoodboy		
Test Priority (Low/Medium/High): High			Test Designed date: 24/11/2024		
Module Name: Shopping Cart Management			Test Executed by: Noppogoodboy		
Test Title: Verify cart item quantity increase functionality			Test Execution date: 24/11/2024		
Description: Test the ability to increase quantity of items in shopping cart					
Pre-conditions: <ul style="list-style-type: none">Application is running at localhost:3000Backend is running at localhost:3030Cart has menu at least 1					
Dependencies: <ul style="list-style-type: none">Web browser (Chrome)Active internet connectionDatabase connection					
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to cart page	URL: localhost:3000/cart	Cart page should load	Cart page is loaded	Pass
2	Locate item quantity controls	Item: Dirty	Quantity controls should be visible	Quantity controls is visibled	Pass
3	Click increase quantity button	Click '+' button	Quantity should increase by 1	Quantity is increased by 1	Pass
4	Verify quantity update	Current quantity: 2	Quantity display should show 2	Quantity is showed 2	Pass
Post-conditions: <ul style="list-style-type: none">Item quantity is successfully updated in cartCart total price is recalculated					

Test Case 1.2: Decrease Cart Item Quantity					
Test Case ID: Cart_02			Test Designed by: Noppogoodboy		
Test Priority (Low/Medium/High): High			Test Designed date: 24/11/2024		
Module Name: Shopping Cart Management			Test Executed by: Noppogoodboy		
Test Title: Verify cart item quantity decrease functionality			Test Execution date: 24/11/2024		
Description: Test the ability to decrease quantity of items in shopping cart					
Pre-conditions: <ul style="list-style-type: none">Application is running at localhost:3000Backend is running at localhost:3030Cart has menu with quantity of 2					
Dependencies: <ul style="list-style-type: none">Web browser (Chrome)Active internet connectionDatabase connection					
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Verify initial quantity	Item: Dirty	Initial quantity should be 2	Initial quantity is 2	Pass
2	Click decrease quantity button	Click '-' button	Quantity should decrease by 1	Quantity is decreased by 1	Pass
3	Verify quantity update	Current quantity: 1	Quantity display should show 1	Quantity is showed 1	Pass
4	Verify cart total update		Cart total should reflect decreased quantity	Cart total reflects decreased quantity	Pass
Post-conditions: <ul style="list-style-type: none">Item quantity is successfully updated in cartCart total price is recalculated					

Test Case 2.1: Membership with LINE OA Promotion
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Test Case ID: Pay_01			Test Designed by: Noppogoodboy		
Test Priority (Low/Medium/High): High			Test Designed date: 24/11/2024		
Module Name: Payment and Promotions			Test Executed by: Noppogoodboy		
Test Title: Verify membership discount with LINE OA promotion			Test Execution date: 24/11/2024		
Description: Test the application of membership number and LINE OA promotion (10 drinks get 1 free)					
<div>Pre-conditions:</div> <ul style="list-style-type: none">Application is running at localhost:3000Backend is running at localhost:3030User has valid membership number (0625916127)User has added "Dirty" drink to cartUser has not applied any other promotions					
<div>Dependencies:</div> <ul style="list-style-type: none">Web browser (Chrome)Active internet connectionDatabase connectionValid membership					
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to homepage	URL: localhost:3000	Homepage loads successfully	Homepage loads successfully	Pass
2	Add Dirty drink to cart	Item: Dirty	Item added to cart successfully	Item added to cart successfully	Pass
3	Navigate to payment page	URL: localhost:3000/paymentpage	Payment page loads with membership input field	Payment page loads with membership input field	Pass
4	Enter membership number	Number: 0625916127	Membership number accepted	Membership number accepted	Pass
5	Click membership apply button		Membership discount applied successfully	Membership discount applied successfully	Pass
6	Select LINE OA promotion	Promotion: "สะสมแต้มผ่าน LINE OA 10 แก้ว ฟรี 1 แก้ว"	LINE OA promotion applied successfully	LINE OA promotion applied successfully	Pass
7	Verify total amount		Final amount reflects both membership and LINE OA discounts	Final amount is reflected both membership and LINE OA discounts	Pass
<div>Post-conditions:</div> <ul style="list-style-type: none">Membership discount is appliedLINE OA promotion is appliedTotal amount is correctly calculated					

Test Case 2.2: Membership with Student Discount

Test Case ID: Pay_02			Test Designed by: Noppogoodboy		
Test Priority (Low/Medium/High): High			Test Designed date: 24/11/2024		
Module Name: Payment and Promotions			Test Executed by: Noppogoodboy		
Test Title: Verify membership discount with student discount			Test Execution date: 24/11/2024		
Description: Test the application of membership number and Mahidol student discount (5 baht off)					
<div>Pre-conditions:</div> <ul style="list-style-type: none">Application is running at localhost:3000Backend is running at localhost:3030User has valid membership number (0625916127)User has added "Dirty" drink to cartUser has not applied any other promotions					
<div>Dependencies:</div> <ul style="list-style-type: none">Web browser (Chrome)Active internet connectionDatabase connectionValid membership as a student					
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to homepage	URL: localhost:3000	Homepage loads successfully	Homepage loads successfully	Pass
2	Add Dirty drink to cart	Item: Dirty	Item added to cart successfully	Item added to cart successfully	Pass
3	Navigate to payment page	URL: localhost:3000/paymentpage	Payment page loads with membership input field	Payment page loads with membership input field	Pass
4	Enter membership number	Number: 0625916127	Membership number accepted	Membership number accepted	Pass
5	Click membership apply button		Membership discount applied successfully	Membership discount applied successfully	Pass
6	Select student discount promotion	Promotion: "ส่วนลด 5 บาทสำหรับนักศึกษาเก่ามหิดล"	Student discount applied successfully	LINE OA promotion applied successfully	Pass
7	Verify total amount		Final amount reflects both membership and student discounts	Final amount reflects both membership and student discounts	Pass
<div>Post-conditions:</div> <ul style="list-style-type: none">Membership discount is appliedStudent discount (5 baht) is appliedTotal amount is correctly calculated					

Test Case 3.1: Valid Membership Validation					
Test Case ID: MEM_01			Test Designed by: Noppogoodboy		
Test Priority (Low/Medium/High): High			Test Designed date: 24/11/2024		
Module Name: Membership Validation			Test Executed by: Noppogoodboy		
Test Title: Verify valid membership number processing			Test Execution date: 24/11/2024		
Description: Test the system's ability to validate and display points for a valid membership number					
<div>Pre-conditions:</div> <ul style="list-style-type: none">Application is running at localhost:3000/paymentpageBackend is running at localhost:3030Membership validation service is operationalDatabase with membership data is accessibleValid membership number (0123456789) exists in the system					
<div>Dependencies:</div> <ul style="list-style-type: none">Web browser (Chrome)Active internet connectionMembership database connectionPoints system integration					
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to payment page	URL: localhost:3000/paymentpage	Payment page loads with membership input field visible	Payment page loads show a membership input field visible	Pass
2	Enter valid membership number	Number: 0123456789	Membership number appears in input field	Membership number appears in input field	Pass
3	Click apply button		System processes membership number	System processes membership number	Pass
4	Verify points display		Points are displayed in the correct format	Points are displayed in the correct format	Pass
5	Verify points value		Points shown match the database value	Points shown match the database value	Pass
<div>Post-conditions:</div> <ul style="list-style-type: none">Membership points are displayed correctlyMembership status is recorded as validatedSystem is ready for next transactionNo error messages are displayed					

Test Case 3.2: Invalid Membership Validation					
Test Case ID: MEM_02			Test Designed by: Noppogoodboy		
Test Priority (Low/Medium/High): High			Test Designed date: 24/11/2024		
Module Name: Membership Validation			Test Executed by: Noppogoodboy		
Test Title: Verify invalid membership number handling			Test Execution date: 24/11/2024		
Description: Test the system's response to an invalid membership number					
<div>Pre-conditions:</div> <ul style="list-style-type: none">Application is running at localhost:3000/paymentpageBackend is running at localhost:3030Membership validation service is operationalDatabase with membership data is accessibleInvalid membership number (888888888) does not exist in system					
<div>Dependencies:</div> <ul style="list-style-type: none">Web browser (Chrome)Active internet connectionMembership database connectionError handling system					
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to payment page	URL: localhost:3000/paymentpage	Payment page loads with membership input field visible	Payment page loads with membership input field visible	Pass
2	Enter invalid membership number	Number: 888888888	Invalid membership number appears in input field	Invalid membership number appears in input field	Pass
3	Click apply button		System attempts to validate membership	System attempts to validate membership	Pass
4	Verify error message		Error message is displayed correctly	Error message is displayed correctly "Membership invalid"	Pass
5	Verify message styling		Error message is clearly visible with appropriate styling	Error message is clearly visible with appropriate styling	Pass
<div>Post-conditions:</div> <ul style="list-style-type: none">Error message is displayedSystem remains in a state ready for new inputNo points are displayedInvalid attempt is logged in system					