

Test Case Template

TestCaseId	Component	Description/Test Summary	Pre-requisites	Test Steps	Test Data	Expected Result	Actual Result	Status	Test Executed By
Admin and Staff_Login_1	Login Module	The staff provides username and password, clicks on Login button .Redirected to product_billing page on successful login	Database of staff should not be empty. Each staff should have username and password as credentials to login	1. Enter username and password in the respective fields. 2. Click on Login Button 3. Redirect to product_billing page if provided credentials are correct and exist in database	Provide Username-'abc' Password-'123'	Redirect to product_billing page, where the availability of each product in stock is viewed and proceed with the billing process for the purchased items.	In-stock available products along with billing options are displayed	Pass	Srilalitha
Admin and Staff_Login_2	Login Module	The staff provides username and password, clicks on Login button . Stay on same-page if correct username and incorrect password is provided which doesn't match in the database	Database of staff should not be empty. Each staff should have username and password as credentials to login	1. Enter username and password in the respective fields. 2. Click on Login Button	Provide Username-'abc' Password-'345'	Stay on same page Show 'Incorrect Username or Password ' to user	Stay on same page Show 'Incorrect Username or Password ' to user	Pass	Srilalitha
Admin and Staff_Login_3	Login Module	The staff provides username and password, clicks on Login button . Stay on same-page if incorrect username but correct password is provided which doesn't match in the database	Database of staff should not be empty. Each staff should have username and password as credentials to login	1. Enter username and password in the respective fields. 2. Click on Login Button	Provide Username-'abc' Password-'345'	Stay on same page Show 'Incorrect Username or Password ' to user	Stay on same page Show 'Incorrect Usernam	Pass	Srilalitha
Password Encryption	Login Module	Show the entered password in form of asteriks	Password field cannot be left empty. Database of staff should not be empty. Each staff should have username and password as credentials to login	1. Enter username and password in the respective fields. 2. Password entered should be displayed in form of asterisks(*)	Username-'abc' Password-'****'	Show password as "****"	Ensures password field is not left empty . Displays password in form of asterisks(*) in password field	Pass	Srilalitha
Search_Item_ByBarcode	Search Bar Module	Verify that the search bar allows staff to search for items by barcode (ID) and displays the product name, product id, product barcode, price and available quantity .	Authorised staff must mutually login to the system Search bar is launched Product information (product barcode, price,quantity, product name) should be present in product database	1. Navigate to the product_billing page of the website. 2. Locate the search bar at the top of the window. 3. Enter a valid item barcode (ID) into the search bar. 4. Press the "Search" button	Search by product_barcode:2	The website should display product name, product id, product barcode, price and available quantity with respect to the product being searched for by entering its barcode (ID)., if the product exists in the database.	The website displays product name, product id, product barcode, price and available quantity of the product based on its barcode	Pass	Srilalitha
SearchItemByBarcode_2	Search Bar Module	Verify that the search bar allows staff to search for items by barcode (ID) and doesn't display anything if product whose barcode is given doesn't exist in the database	Authorised staff must initially login to the system Search bar is launched Product information (product barcode, price,quantity, product name) should be present in product database	1. Navigate to the product_billing page of the website. 2. Locate the search bar at the top of the window. 3. Enter a valid item barcode (ID) into the search bar. 4. Press the "Search" button	Search by product_barcode:ezx*3457	If the barcode (ID) is not valid or does not exist,no product information is shown indicating that no matching items were found should be displayed.	No product information is shown indicating that no matching items were found in database is displayed	Pass	Srilalitha

Product_Addition_1	Item Addition Module	Entering the required quantity in quantity field and clicking on the (Add) button below an item successfully adds the item to the database.	1. The staff user is logged into the website. 2. Purchased item is searched using search bar and is available in database and visible on the website.	1. Navigate to the product_billing page of the website. 2. Locate the search bar at the top of the window. 3. Enter a valid item barcode (ID) into the search bar. 4. Press the "Search" button . 5.All details with respect to product are displayed. 6. Enter quantity in quantity field. 7. Click the Add button.	Search by product_barcode:2 Enter quantity:3 ADD Button	The item should be successfully added to the database and show the current amount of purchased product based on the purchased quantity	Shows the current amount of purchased product based on the purchased quantity after clicking on ADD button	Pass	Harshitha
PaymentProcess_1	Payment Module	Verify that the payment process functions correctly (taking payment method as input and total cost of all purchased items) , allowing the staff to complete the payment for the selected items	1. The staff user is logged into the website. 2. Purchased item is searched using search bar and is available in database and visible on the website 3.Menu -driven options for payment methods 3. Purchased Items and bill estimation of all purchased items	1. Navigate to the product_billing page of the website. 2.Review the list of items along with their quantity and total cost . 3. Choose payment-method from the menu-driven-options. 3.Click on the "Proceed to Payment" method.	Choose Payment Method: Credit Card, Debit Card, Cash	The website should transition to the payment process, make payment using customer's chosen payment method	The website transitions to the payment process, where the staff stimulates the payment by taking the customer's choice of payment method.	Pass	Harshitha
Total_Cost_Calculation	Total_cost Module	Verify that the total amount in the shopping cart is calculated accurately as products are added, and it updates immediately after each addition of purchased product.	1. The staff user is logged into the website. 2. Purchased item is searched using search bar and is available in database and visible on the website. 3.Total cost bar that displays the current total cost of purchased items	1. Navigate to the product_billing page of the website. 2. Locate the search bar at the top of the window. 3. Enter a valid item barcode (ID) into the search bar. 4. Press the "Search" button . 5.All details with respect to product are displayed. 6. Enter quantity in quantity field. 7. Click the Add button. 8.Verify that the total cost updates immediately after each addition.	The selected items and their corresponding prices, along with total cost of all items purchased so far.	The total should update immediately after each addition, reflecting the sum of the prices of the added items.	The total updates immediately after each addition, reflecting the sum of the prices of the added items.	Pass	Harshitha
Bill_Generation	Billing Module	Verify that the system correctly generates a bill that includes item names, quantities, a timestamp, and the total amount for the items in the cart.	1. The staff user is logged into the website. 2.Purchased Items have been billed/estimated .	1.Navigate to the checkout or billing page. 2.Verify that the list of items for the current transaction is displayed, including their names, quantities, and individual prices. 3.Review the total amount displayed on the page before generating the bill. 4.Click the "Generate Bill" button to initiate the bill generation process. 5.Verify that the bill is generated and displays the names of all items in the current transaction,the quantity of each item and timestamp indicating the time of the bill generation. 6.The total amount, which should match the total displayed before generating the bill.	The selected items, their quantities, and individual prices. Valid payment information for the selected payment method.	The POS Simulator should navigate to the billing page. The list of items in the current transaction should be displayed with their names, quantities, and individual prices. The total amount of all purchased items should be displayed. The bill should be generated accurately and include the names, quantities, timestamp, and the total amount for the items in the cart.	The bill generated includes item names, quantities, timestamp, and the total amount for the items in the cart.	Pass	Harshitha

Clear_Transaction	Transaction Module	Verify that the "Clear Transaction" functionality in the POS Simulator effectively clears all items from the current transaction and resets the total amount to zero	1.The staff user is logged into the website.	1.Verify that the current transaction has one or more items added to it. 2.Locate and select the "Clear Transaction" option within the POS Simulator. 3.Proceed with clearing the transaction 4.Verify that all items in the current transaction are removed. 5. The total amount is reset to zero.	Current transaction has one or more items added to it	There should be one or more items in the current transaction. The "Clear Transaction" option should be available and functional. Clearing the transaction should proceed without errors. The total amount should be reset to zero	After a transaction, total amount is reset to zero	Pass	Harshitha
Choose_terminal_for_statistics	Terminal Selection module	Verify that the "Choose Terminal for Statistics" functionality in the POS system allows the user to select a specific terminal and view sales and transaction statistics for that terminal.	1.The POS system is running and accessible. 2.Multiple terminals have been used for transactions.	1.Log in to the POS system with valid credentials. 2.Navigate to the "Statistics" or "Reports" section of the POS system. 3.Look at the sales made per terminal.	Terminal should be registered.	The POS system should generate and display sales and transaction statistics of each terminal.	The POS system displays the sales and transaction statistics each registered terminal.	Pass	Indhu
Deletion_of_Items_During_Purchase	Item Deletion Module	Verify that items can be deleted during the purchase process.	1.The staff user is logged into the website. 2.User has initiated the purchase process.	1.Launch the POS simulator. 2.Delete items from the transaction	one or more items that has been initiated for the transaction	The selected item should be successfully deleted during the purchase process, and the cart's total should reflect the removal.	The selected item has been successfully deleted	Fail	Jeshwanth
BarChart_AddProduct_1	Bar_Chart_Module	Verify that buying a product from a particular terminal updates the chart.	1.Browser is launched 2.Admin is logged into website	1.Navigate to the Admin section 2.Navigate to the sales per terminal page 3.Verify the initial state of the bar chart. 4.The purchase of new product is reflected in database with a decrement in the quantity. 5.Ensure the purchase is done 6.Verify that the bar chart updates with the new purchase.	Data for purchasing a product .	The bar chart should display the increase in sales per terminal with the correct label and data point.	The bar chart with increase in sales per terminal with the correct label and data point is displayed	Pass	Harshitha
BarChart_AddProduct_2	Bar_Chart_Module	Verify that buying multiple products from a particular terminal updates the chart.	1.Browser is launched 2.Admin is logged into website	1.Navigate to the Admin section 2.Navigate to the sales per terminal page 3.Verify the initial state of the bar chart. 4.The purchase of new product is reflected in database with a decrement in the quantity. 5.Ensure the purchase is done 6.Verify that the bar chart updates with the new purchase..	Data for purchasing multiple products .	The bar chart should display the increase in sales per terminal with the correct label and data point.	The bar chart with increase in sales per terminal with the correct label and data point is displayed	Pass	Indhu
PieChart_BuyProduct_1	Pie_Chart_Module	Verify that buying a product updates the pie chart.	1.Browser is launched 2.Admin is logged into website	1.Navigate to the Admin section 2.Navigate to the sales per terminal page 3.Verify the initial state of the bar chart. 4.The purchase of new product is reflected in database with a decrement in the quantity. 5.Ensure the purchase is done 6.Verify that the bar chart updates with the new purchase.	Data for buying a product in the pie chart.	The pie chart should display the increase in sales after the purchase with the correct label and data point.	The pie chart with increase in sales after the purchase with the correct label is displayed	Pass	Indhu
PieChart_BuyProduct_2	Pie_Chart_Module	Verify that buying multiple products updates the pie chart.	1.Browser is launched 2.Admin is logged into website	1.Navigate to the Admin section 2.Navigate to the sales per terminal page 3.Verify the initial state of the bar chart. 4.The purchase of new product is reflected in database with a decrement in the quantity. 5.Ensure the purchase is done 6.Verify that the bar chart updates with the new purchase.	Data for purchasing multiple products .	The pie chart should display the increase in sales after the purchase of multiple products with the correct label and data point.	The pie chart with increase in sales after the purchase of multiple products with the correct label is displayed	Pass	Indhu

ProductsList_Display_1	Product_List_Module	Verify that the product list displays all products with their quantities and sales information correctly.	1.Brower is launched 2.Admin is logged into website	1.Navigate to the admin section 2.Navigate to the sales per product page 3.Locate the section of the webpage that displays the product list. 4.Verify that all products are listed. 5.Check that each product entry includes information about its quantity and sales.	Data for the existing products in the dataset	The product list should display all products with their respective quantities and sales information accurately.	The product list of all products with their respective quantities and sales information are being displayed	Fail	Indhu
Error_On_Quantity_Below_Threshold_1	Product_Quantity_Module	Verify the products are generated whose quantity falls below the threshold limit	1.Brower is launched 2.Admin is logged into website	1.Launch the browser. 2.Locate the product whose quantity is near or below the threshold limit. 3.Attempt to reduce the quantity of the product below the threshold limit. 4.Observe the system's response.	Product with quantity near or below the threshold limit.	A list of items should be populated informing the user that the quantity of these items is below the threshold limit.	A list of items is populated informing the user that the quantity of these items is below the threshold limit.	Pass	Indhu
Login_Options_Staff_Admin	User_Authentication_Module	Verify that the user can log in as either "Staff" or "Admin" based on their choice.	The application login page is accessible.	1.Access the application's login page. 2.Observe the login interface, and identify the presence of two options: "Login as Staff" and "Login as Admin." 3.Choose either "Login as Staff" or "Login as Admin" based on the intended user role. 4.Provide the appropriate login credentials (e.g., username and password). 5.Click the "Login" button.	1.User's choice to log in as "Staff" or "Admin." 2.Login credentials for the selected user role.	1.If "Login as Staff" is chosen, the system should authenticate the user as a staff member and provide access to staff-related functionalities. 2.If "Login as Admin" is chosen, the system should authenticate the user as an admin and provide access to admin-related functionalities.	user could log in as either "Staff" or "Admin" based on their choice.	Pass	Jeshwanth