Input	Processing	Output
- User enters username or email - User enters password	- System verifies the username or email and password - If the credentials are valid, the system allows the user to log - If the credentials are invalid, the system denies access	- Successful login: User gains access to the account - Failed login: Error message displayed (e.g., "Invalid username or password")
- Mouse click event on a navbar option.	- Identify the clicked navbar option: Determine which option in the navbar was clicked. - Determine the designated category: Based on the clicked option, find the category associated with it. - Load content/data: Retrieve and load the content or data related to the designated category.	- Display content: The content or data associated with the designated category is displayed on the webpage.
- Button click event on "View Product"	- Identify the clicked "View Product" button - Retrieve detailed information about the product associated with the button - Format the detailed information for display	- Display the detailed information about the product on the product page
- User hovers the mouse over a navigation option	- Detect the mouse hover event - Apply a pink background color to the hovered navigation option	- Visual feedback: The navigation option changes its background color to pink when hovered over

● Button click event on "Add to Cart"	● Identify the clicked "Add to Cart" button ● Retrieve the current quantity symbol from the shopping cart ● Increment the quantity by 1	● Update the shopping cart symbol to display the incremental quantity
● Click on the "Cart" button in the navigation.	● The system detects the click event on the "Cart" button. ● The system navigates to the cart.html page.	● The cart.html page is displayed, showing the contents of the shopping cart.