Test Plan: Webpage Testing for Moisturizers and Sunscreens

Objective: To automate the process of selecting and purchasing moisturizers or sunscreens based on temperature conditions using Selenium WebDriver.

Test Environment:

Browser: Chrome Browser

Operating System: [Windows]

Tested URL: https://weathershopper.pythonanywhere.com/

Test Scenarios:

Launch Webpage and Extract Temperature:

- Action: Launch the Chrome Browser and navigate to the provided URL.
- Expected Outcome: The webpage opens successfully, and the temperature value is extracted from the UI.
- Test Pass Criteria: The success message appears at the end of the purchase.

Shop for Moisturizers:

- Action: If temperature is less than 19, select and add moisturizer products to the cart.
- Expected Outcome: The correct number of products are added to the cart, and Aloe and Almond products are selected as least cost possible.
- Test Pass Criteria: The moisturizer products are added to the cart based on the temperature condition.

Shop for Sunscreens:

- Action: If temperature is greater than 34, select and add sunscreen products to the cart.
- Expected Outcome: The correct number of products are added to the cart, and SPF-50 and SPF-30 products are selected as least cost possible.
- Test Pass Criteria: The sunscreen products are added to the cart based on the temperature condition.

Verify Checkout Page:

- Action: Navigate to the checkout page and verify the number of products in the cart.
- Expected Outcome: The number of products in the cart matches the expected count with the least cost possible.
- Test Pass Criteria: The cart displays the correct number of products.

Navigate to Payment Page:

- Action: Proceed to the payment page, enter payment details, and complete the payment process.
- Expected Outcome: Payment details are entered correctly and the payment is processed successfully.
- Test Pass Criteria: The payment process is completed without errors.

Verify Payment Success Message:

- Action: Verify the presence of the payment success message.
- Expected Outcome: The payment success message "PAYMENT SUCCESS" is displayed.
- Test Pass Criteria: The payment success message is displayed as expected.

Test Execution Steps:

1. Launch the Chrome Browser and navigate to the specified URL.
2. Extract the temperature value from the webpage.
3. If temperature < 19, proceed with moisturizer shopping. If temperature > 34, proceed with sunscreen shopping.
4. Verify the cart page to ensure the correct number of products.
5. Navigate to the payment page, enter payment details, and complete the payment process.
6. Verify the payment success message.

Test Data:

- Temperature values: < 19, > 34.
- Product details for moisturizers and sunscreens.
- Access online test mode to retrieve mock card numbers for purchase.