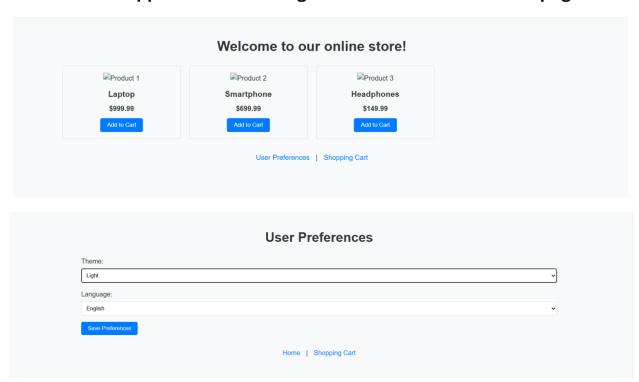
Student Name: Phan Tran Thanh Huy

Student ID: ITCSIU22056

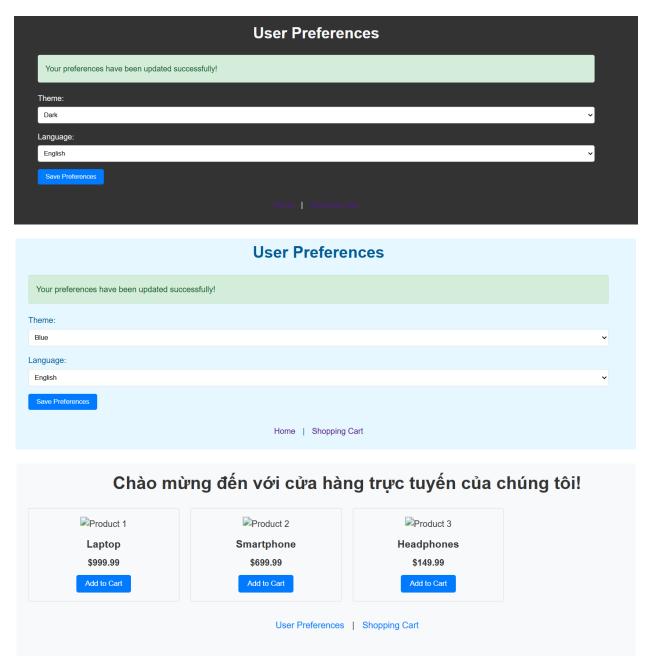
Lab 9

Task 1: Understanding Cookies

1. Run the application and navigate to the User Preferences page.



2. Change the theme and language settings.



3. Observe how the preferences persist across page refreshes and when navigating to different pages.

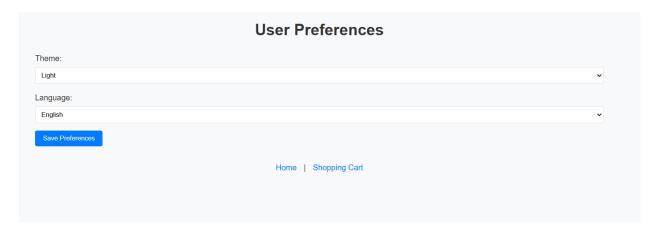
When navigating to different pages, or refreshing, the preferences are still remaining.

4. Use browser developer tools to examine the cookies created by the application.



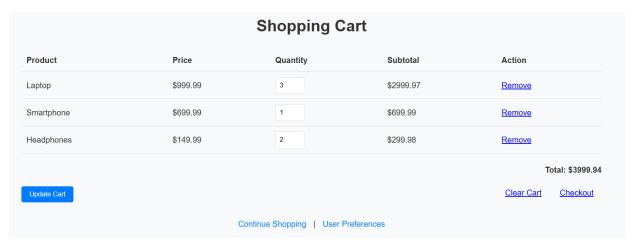
5. Delete the cookies and observe what happens when you refresh the page.

When deleting the cookies, the preferences return by default.

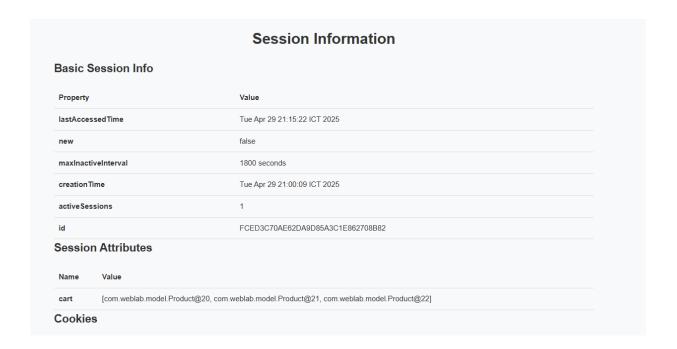


Task 2: Exploring Session Management

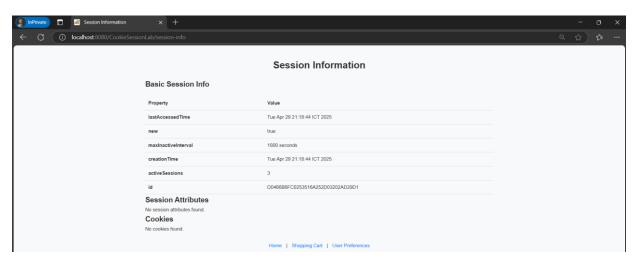
1. Add products to your shopping cart.



2. Navigate to the Session Info page to see what information is stored in your session.



3. Open a new browser or use incognito/private mode to see that the shopping cart is empty (new session)..



4. Observe how the cart persists when navigating between pages in the same browser session.

When navigating between pages in the same browser session, the cart still remain the value of product, including the quantity after added to cart, not return to initial.

When navigating to different pages, or refreshing, the preferences are still remaining.

5. Wait for the session timeout (set to 30 minutes by default) or close and reopen the browser to see the session expire.

It expired.