Week 7 Concepts Assignment

CS441

*This is exercises based on the textbook ones for Chapters 11 & 12, but focusing on 12. Note, there are additional steps or requirements that might not be in the book, or steps removed from the book, so be sure to follow this document vs directly following the textbook.*

*Note, all required student files are located in the Week 1 Module of Canvas. Look for the “Student Download files” and add to your htdocs folder. Remember that the weekly code will be copied back and forth from your local Github repository and the htdocs folder.*

*Before starting, make sure to copy the directories “book\_apps” and “ex\_starts” to your local computer in the following directory: C:\*xampp\htdocs\

***With lab PCs, sync Github prior to starting work, commit all changes, and PUSH those changes to Github.***

**Instructions:**

# Exercise 12-1 Modify the Shopping Cart application

In this exercise, you can modify and enhance the Shopping Cart application.

## Open and test the application

1. Run the application that’s stored in the ex\_starts/ch12\_ex1 directory.
2. Test this application by adding several items to the cart. Then, exit the browser, restart it, and view the cart. Since this application uses a persistent session cookie, this should display any items that were previously in the cart.
3. Open the index.php file for this application and review the code. Note that this code configures the cookie for the session so it persists for 2 weeks.

## Use a session cookie

1. Modify the code that configures the cookie for the session so the session uses a session cookie.
2. Test this change to make sure it works correctly. You should be able to remove all items from your cart by exiting the browser. *(When you exit the browser, don’t save any open tabs. Otherwise, your browser may remember the cookie for the session and the items won’t be removed from the cart.)*

## Use a persistent cookie that lasts for 3 years

1. Modify the code that configures the cookie for the session so the session persists for 3 years.
2. Add code that displays the session ID on both pages of the application.
3. Test these changes. The session ID should remain the same even if you exit and restart the browser.
4. Add a link to the Cart page that says “End Session and Delete Cookie”. Then, add code that processes this link by clearing all session data from memory, cleaning up the session ID, and deleting the cookie for the session.
5. Test this change. When you click the “Empty Cart” link, the items should be removed from the cart, but the session ID should stay the same. When you click the “End Session” link, the items should be removed from the cart, and the session ID should be cleared. Then, if you add an item to the card, the cart page should display a new session ID.

***Commit this document and all edited code to your Week 7 Github repository by the deadline. Any late work must be communicated.***