

Project 10H - Hardening

12/5/2021

8 Possible Points

Attempt 1

**IN PROGRESS**

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Unlimited Attempts Allowed

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Due: Sunday, December 5**Points:** 8 points**Deliverables:** An https URL link to your final Transact project on the CS5244 server

Overview

In this portion of the Transact Project, you will complete a series of activities that will "harden" your web site. That is, they will make your website more professional and robust to user actions. Be SURE to test this against your deployed website or on localhost port 8080 NOT on your development servers (port 8081)

Setup

Build a new project named [Name]BookstoreTransact, containing a copy of your code from Project 10, following the usual setup procedures.

1. Homepage Links

Make someone can reach your website when they enter any of the following in the address bar:

- [Name]BookstoreTransact
- [Name]BookstoreTransact/
- [Name]BookstoreTransact/home

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2. Page Reloading

Make sure your website behaves appropriately when someone reloads a page on your website:

- home page
- category page
- cart page
- checkout page
- confirmation page

3. Back Button

Make sure your website behaves appropriately when someone presses the back button on their browser.

- press back button on cart page when coming from the category page (with a specific category)

4. Address Bar Entry

Make sure your website behaves appropriately when someone enters a valid address into the address bar.

- .../category
- .../category/My Category
- .../cart
- .../checkout

5. 404 Error Page

Create a 404 page and make sure your website sends the user to that page when they enter an address (or click a link) that does not correspond to a page

- Enter .../category/My Missing Category in the address bar and expect a 404

6. Avoid Duplicate Orders

Ensure that the "proceed to checkout" button on the checkout page is disabled while the order is

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7. Test Empty Cart

Ensure that when you have an empty cart, navigating to `/cart`, `/checkout` displays a message with a continue shopping button.

8. Testing `/confirmation` Page

Ensure that when you have no order details, navigating to `/confirmation` indicates no order is present.

Ensure that after placing an order and navigating away from `/confirmation`, navigating back to `/confirmation` displays the previous order's details again. However, if the browser is closed, and re-opened, navigating to `/confirmation` will indicate no order is present (i.e. the order details do persist across page reloads, but not across browser restarts).

Hint: Use ``sessionStorage`` to achieve this last requirement. Use [greater-goods-client](https://github.com/nowucca/greater-goods-client) (<https://github.com/nowucca/greater-goods-client>) as a reference.

Enter Web URL

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