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**CSCI5709 - Advanced Web Services**

**Summer 2023**

**Assignment 1**

**Individual Submission**

**Submitted By:**

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**About the Project:**

The project is a comprehensive e-commerce platform similar to eBay, featuring user management, item listing, bidding, and cart functionalities. It includes advanced capabilities like wishlist creation, email notifications, shipping and billing address validation, and user ratings to enhance the buying and selling experience. More details about the project have been included in our group submission.

**Feature:**

The Shipping Details Form allows users to input their contact details and shipping location. It includes an option for users to indicate if their billing information is the same as their shipping details. If not, users must enter their billing information separately. If the billing information is the same, the billing info section is hidden.

**A1.5. User Experience and Task Flow**

Task 1: Shipping Information: Create Form for Entering Shipping Details

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Figure 1: Task Flow Diagram of to render Shipping Information

Task 2: Address Validation: Implement Address Validation

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Figure 2: Task Flow Diagram of Shipping Form Validation

Task 3: Is Billing Address Same as Shipping Address Validation

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Figure 3: Task Flow Diagram if Billing Address Same as Shipping Address

**A1.6. Lo-Fidelity Prototype**

Task 1: Display Shipping Form Page to the User

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Figure 4: Lo-Fidelity Prototype of Shipping Form Page

**A1.6. Semi-Functional Prototype**

In the semi-functional prototype submitted for this assignment, I have implemented Task 1 (Creating the form for entering shipping details) and Task 3 (Validating if the billing address is the same as the shipping address). The prototype includes the display of the form and its fields, a checkbox that either hides or displays the billing section, contact details form validations, and the display of product details using hardcoded data. These tasks have been successfully implemented and are functioning as intended using the provided sample data.

Gitlab URL of Assignments Repo: <https://git.cs.dal.ca/cgarg/csci-5709/-/tree/master/Assignments?ref_type=heads>

Giltab URL of A1 Folder Inside Assignments Repo: <https://git.cs.dal.ca/cgarg/csci-5709/-/tree/master/Assignments/Assignment%201?ref_type=heads>

Deployed URL: <https://a1-chinmaya-garg-b00925398.netlify.app/>

**References:**

[1] “Draw.io - free flowchart maker and diagrams online,” Flowchart Maker & Online Diagram Software, https://app.diagrams.net/ [accessed Jun. 6, 2024].

[2] “The Collaborative Interface Design Tool,” Figma, https://www.figma.com/ [accessed Jun. 6, 2024].

[3] “Quick start,” React, https://react.dev/learn [accessed Jun. 6, 2024].

[4] “The Netlify Dashboard needs JavaScript :(,” Netlify App, https://app.netlify.com/ [accessed Jun. 6, 2024].