Assignment 1: Marking Scheme

1. Website logo [1 mark]
    –   The logo should appear on all pages of the website.

2. Search box [5 marks]
    –   The search box should appear on all pages except the shopping cart, delivery details and order confirmation pages. [1 mark]
    –   The search box should show some hints when empty. [1 mark]

    | Search products   🔍 |

    –   User can use keywords about product names and/or descriptions (if applicable) to look up items from database. [1 mark]
    –   Search results should show as a grid view of items, with name, image, unit, price, (not) in stock and an "add to cart" button. [2 mark]

3. Item categories [7 marks]
    –   Item categories should appear on all pages except the shopping cart, delivery details and order confirmation pages. [1 mark]
    –   Users can further expand the categories to see sub-categories. [2 mark]
    –   Users can click a category or sub-category to view a grid view of all items in the category or sub-category, where each item should show name, image, unit, price, (not) in stock and an "add to cart" button. [1 mark]
    –   The "add to cart" button is non-clickable if the item is unavailable (out of stock). [1 mark]
    –   User can click the "add to cart" button to add an item to the shopping cart if the item is available or in stock. [1 mark]
    –   Clicking the "add to cart" button again will increment the quantity of an item that is already in the cart by one. [1 mark]

4. Shopping cart [11 marks]
    –   The shopping cart may appear as a pop-up window, a floating element, a designated area on the page, or a dedicated web page. [1 mark]
    –   It should be minimized/hidden by default – so users cannot see the items in it by default. [1 mark]
    –   User can click a button/icon to view or hide the content of the shopping cart. [1 mark]
    –   For each item in the shopping cart, users could view its name, image, unit price, and quantity added. [1 mark]
    –   The shopping cart should show the total price for the whole shopping cart. [1 mark]
    –   User can remove an item from the shopping cart. [1 mark]
    –   User can update the quantity of an item in the shopping cart. [1 mark]
    –   User can clear the shopping cart through just one click. [1 mark]
    –   User can retrieve the shopping cart within a short period of time using the same device. [1 mark]
    –   User cannot proceed to give delivery details if the shopping cart is empty. [1 mark]
    –   User can proceed to give delivery details by clicking a "place an order" button when the shopping cart is non-empty. [1 mark]

5. Delivery details [9 mark]
    –   The page should show a form requesting user to provide recipient's name, address, mobile number, and email address, all marked as required. [1 mark]
    –   The address section should allow user to input the street, city/suburb, and then select the Australian states and territories (NSW, VIC, QLD, WA, SA, TAS, ACT, NT, Others). [1 mark]
    –   The form's inputs should be validated appropriately (e.g., an email address must follow certain formats). [2 mark]
    –   The user cannot place an order if the inputs are not validated successfully. [1 mark]
    –   The website should also re-check the availability (in stock or not) of all items in the order upon placing the order. [1 mark]
    –   If any item becomes unavailable or insufficient for the order, user will be notified of the reason and redirected to the shopping cart. [2 mark]
    –   Once validated, user can proceed to place the order (e.g., by clicking a "submit" button). [1 mark]

6. Order confirmation [3 mark]
    –   If the order is placed successfully, quantities of items will be updated in the database. [1 mark].
    –   Also, the shopping cart will be cleared [1 mark].
    –   And user will receive a confirmation email enclosing the order details. You don't have to actually send the email, but the page should pretend so and show order confirmation. [1 mark]

7. Interactive features [5 marks]
    –   A category/sub-category should be highlighted or exhibit other visual efforts when the mouse is over or clicking it. [1 mark]
    –   An item should be highlighted or exhibit other visual efforts when the mouse is over it. [1 mark]
    –   The "add to cart" button shows differently (e.g., in grey cooler) when the corresponding item is not in stock (or unavailable). [1 mark]
    –   The "place an order" button shows differently (e.g., in grey colour) when the shopping cart is empty. [1 mark]
    –   The "submit" button shows differently (e.g., in grey colour) when the ordered items cannot by validated. [1 mark]

8. Overall presentation [4 marks]
    –   All texts and labels are easy to read. [1 mark]
    –   Text fonts used on the web pages are contemporary and of appropriate font sizes. [1 mark]
    –   Everything on the pages has the appropriate font colours and background colours. [1 mark]
    –   No borders around images. [1 mark]

Total marks = 45