



NANYANG
TECHNOLOGICAL
UNIVERSITY

Assignment 2 Report

CZ3006: Net-Centric Computing

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Semester 1

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Lab Group: SSP2

Description & Implementation

This report is to briefly describe my design and implementation for assignment 2, where I was tasked to build a simple online fruit ordering platform:

1. I have written an HTML document to create a form (form.html) that contains:
 - A text box that collect the customer's name.
 - 3 text boxes for user to key in number of apples (69 cents each), oranges (59 cents each), and banana (39 cents each).
 - A valid input is defined as a sequence of one or more digits.
 - The validity of the user's inputs to each of the 3 text boxes is validated with embedded JavaScript functions.
 - If the input is not valid, an alert message will warn the user on which text box contains invalid input.
 - For example, in Figure 1, if the user entered 'one' instead of '1' for apple's text box, the warning message will prompt that "Please check your input for apples.".The same applies to oranges and bananas.
 - A text box that shows the total cost of the customer's order. This text box is not for user's input, so it is blurred whenever it acquires focus.
 - For example, in Figure 2, if the user ordered 3 apples, the total cost text box will show \$2.07 (i.e. 69 cents x 3).
 - If the customer's input is invalid, such as that in Figure 3, the total cost text box will then display 'NaN'
 - A collection of 3 radio buttons that labels as Visa, MasterCard and Discover.
 - A Submit button that the user clicks upon completing the form, which will direct him/her to the receipt page.
 - This button is abled when the user's input to the fruits' quantities are valid (refer to Figure 3); else, the button is disabled (refer to figure 2).

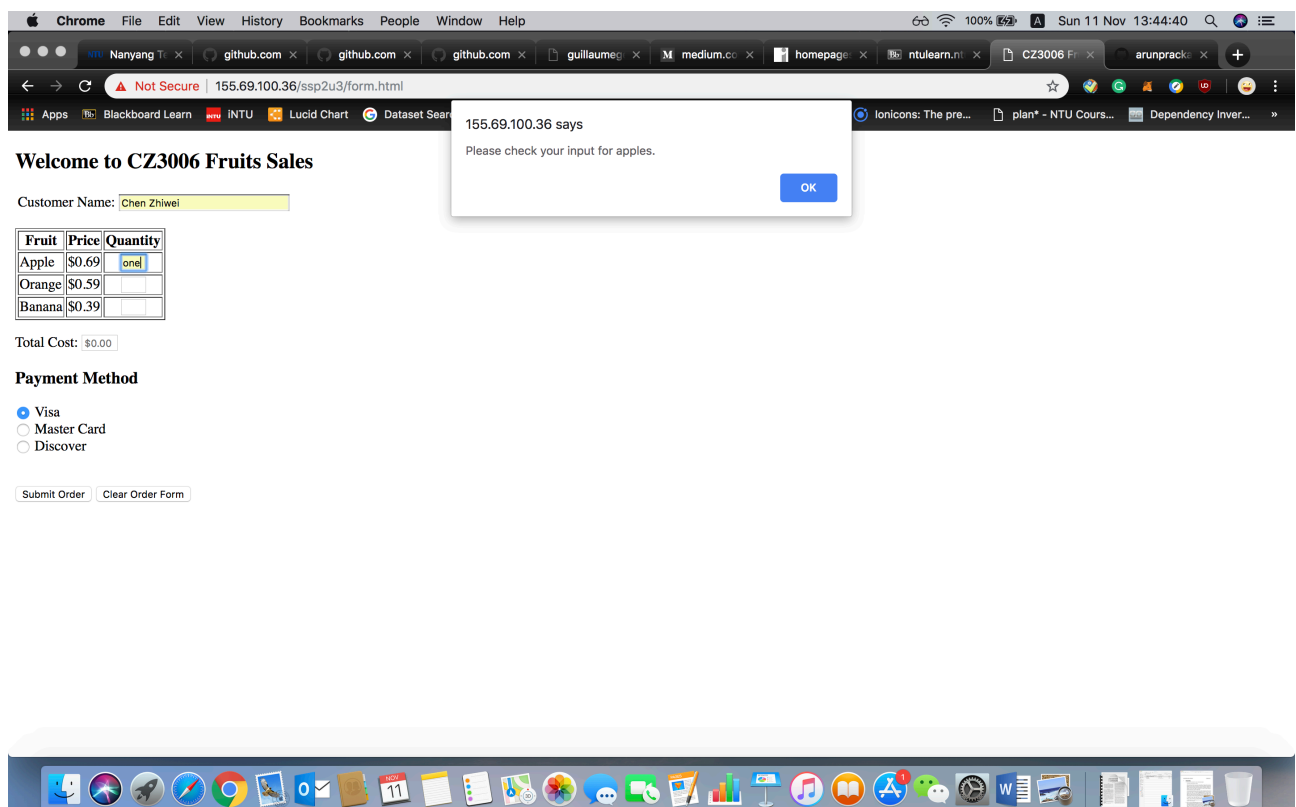


FIGURE 1

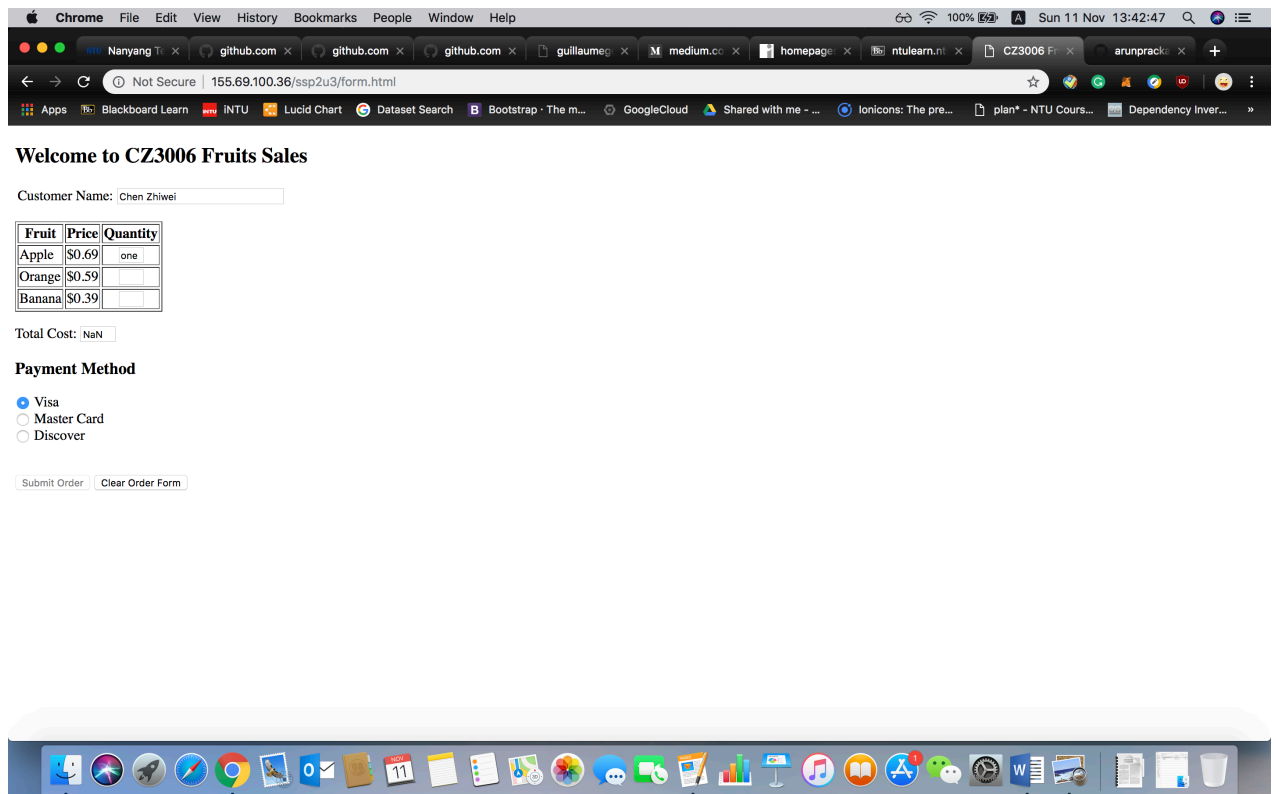


FIGURE 2

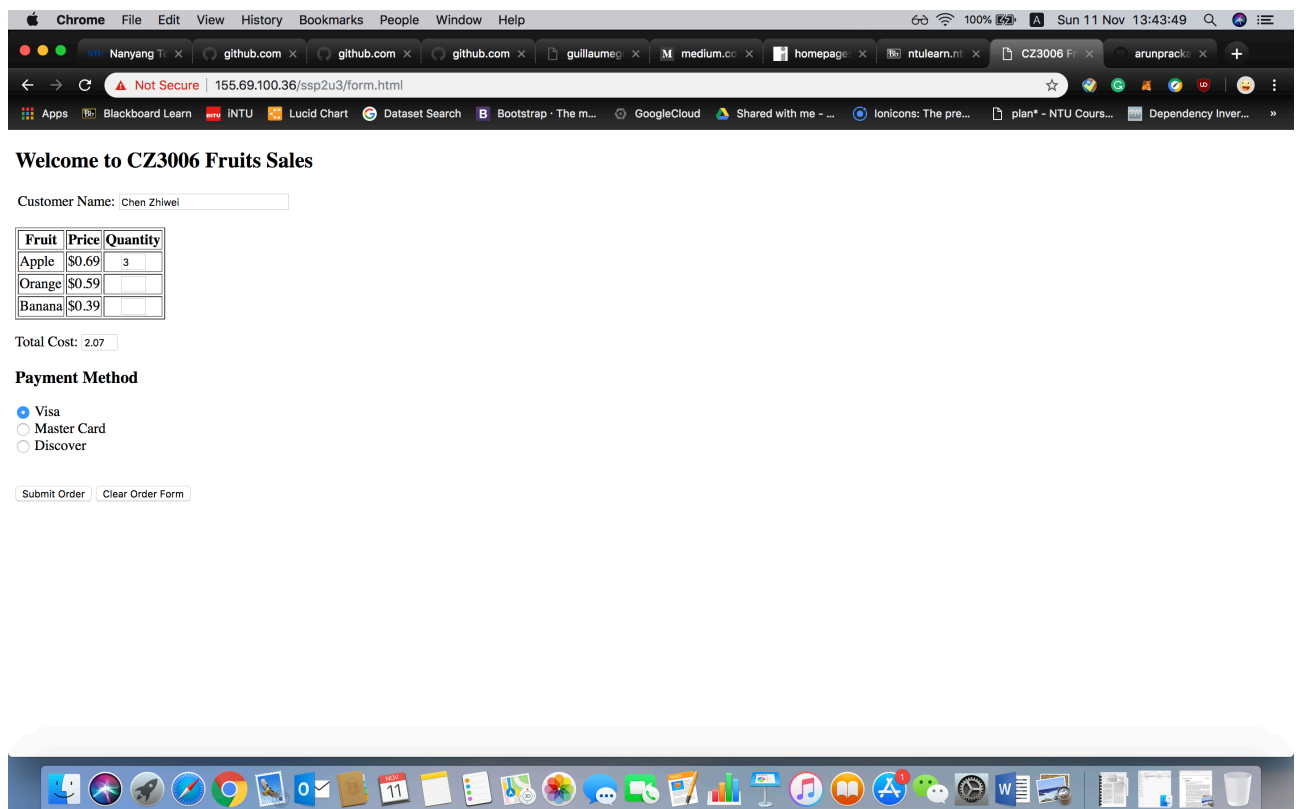
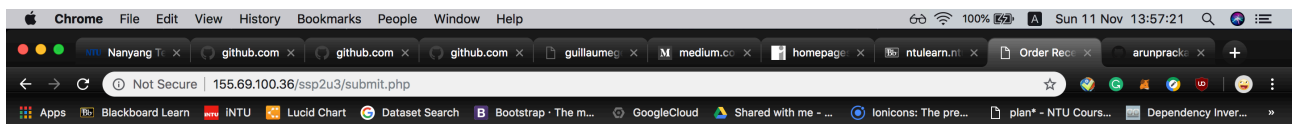


FIGURE 3

2. I have written a server-side PHP program (submit.php) that:
- Receives the user's order when Submit button is clicked. Upon receiving the order, this server-side PHP program computes the total cost of the user's order, and will return an HTML document to the user as a receipt. The receipt contains the user's name, order details and payment method.
 - See Figure 4 for an example of a receipt of 3 apples, paid with Visa.
 - Also, upon receiving the user's order from the client-side, the server-side PHP will update the 'order.txt' file to reflect the new order.
 - For example, if originally the 'order.txt' contains 8 apples, 6 oranges and 7 bananas, then after the new order of 3 apples is received by the server-side PHP, the new figure will become 11 apples, 6 oranges and 7 bananas.



Order Receipt

Customer Name: Chen Zhiwei

Order Information

Fruit	Unit Price	Quantity	Cost
Apples	0.69	3	\$ 2.07
Oranges	0.59	0	\$ 0.00
Bananas	0.39	0	\$ 0.00
Payment method:		visa	
Total :		\$ 2.07	

[Back to Order Form](#)



FIGURE 4

Source Files

There are 3 files under 'http://155.69.100.36/ssp2u3/':

1. form.html - which is the client-side script
2. submit.php - which is the server-side PHP program
3. order.txt - which acts like a database that the server-side PHP program will modify.