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Module: Web Design and Client Side Scripting

Continuous Assessment Part 2

On this part 2 of the continuous assessment, I concentrated more on the Javascript and JQuery implementations rather than the design.

Design

1. I created a table which is contained with a form, as per the specification. I thought it would look neater if the different sections were bordered off into their individual parts (personal details, order details, discount code)(ref1).

2. I also linked the CDN from google fonts "Fredericka the Great", because I thought it was in keeping with the pizza themed order form(ref 2).

3. I used flexbox to format, align and arrange the table. It resizes depending on the width of the screen(ref3).

Javascript & JQuery

• Global variables are declared at the top of the script.

```
var total = 0;
var subTotal1 = 0;
var discountUsed = false;
```

Global Variables

- Checking the username and password. Validation is achieved with the help of two separate functions: checkIsEmpty() and checkPasswordLength() When the submit order button is clicked the validateForm() function is called.

```
function checkIsEmpty(field){
    if(field == null || field == ""){
        return true;
    }
}
```

Returns true if field is empty

```
function checkPasswordLength(password){
    if(password.length < 7){
        return false;
    }
}
```

Returns false, password must be more than 7 characters

The validateForm() functions checks if the: username or password field is empty, checks the password length,

This page says

Username and Password must be entered

OK

Alert if both username and password are empty

This page says

Password must be 7 characters or more in length

OK

Alert for password length and if empty

This page says

Username must be entered

OK

Alert if only username is empty

checks if the pizza order number is not 0 or negative number before the add total button is clicked and amount is added to total.

This page says

Please enter the number of pizzas you would like to order

OK

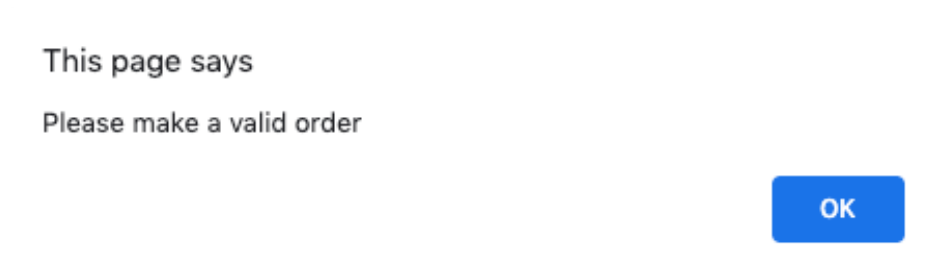Alert if the number of pizzas field is empty

This page says

Please enter a valid value

OK

Alert for an invalid input for number of pizzas

- The number of pizzas field is validated by the isNumberic() function. The function checks if the inputted amount is a valid numeric value, using the isNan() inbuilt JS function(ref4). It also checks if no_of_pizza field is empty and if there is a valid number inputted.

This page says

Please make a valid order

OK

Alert for submitting invalid order

- The subTotal() function takes the noOfPizzas as a value in parameters. This function does the calculation for the cost of pizzas ordered. If the dropdown value is large the noOfPizzas is multiplied by 5, if the dropdown value is extra-large the noOfPizzas is multiplied by 7, and if the dropdown value is supersize the noOfPizzas is multiplied by 17. This function also takes into account if the discount has been applied or not. If the global variable discountUsed is true then a 10% discount is added to the total.

- The discoutCode() function checks if the discount code "extracheese" has been added. If inputted then the flag discountUsed is set to true when Add Discount Code button is pushed

Confirmation that the coupon is added

• The JQuery function that is called when the supersize option is selected is taken from open source GitHub repo(ref5). I had to link jquery-confirm.css stylesheet and jquery-confirm.js javascript file. The warning for Jamie's stipulation reads as follows.

!!WARNING!!

For Health and Saftey Reasons we are Required by law to give you a Warning. You have Selected SUPERSIZE! Jamies Pizza holds no responsibility for the consequences of mass amounts of Pizza consumtion. The comsumer is fully aware of their actions and gives up all rights to press charges in a court of law.

PROCEED

Jamie's Stipulation

• The resetTotal() function sets the total global variable back to 0

• Once a valid order has been submitted a notice is given to the customer and the form resets.

This page says

Christopher has made an order totalling: €183.60

OK

Order alert

HTML & CSS Validation

- Index.html was validated without any warnings or errors (ref7)

Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 9 milliseconds.

Completed html validation

- style.css was validated without any errors (ref8)

W3C CSS Validator results for style.css (CSS level 3 + SVG)

Congratulations! No Error Found.

This document validates as CSS level 3 + SVG !

Stylesheet validation

-

References:

1. Used for information on tables: https://codepen.io/eliland/pen/NPJQYN

2. Google Font: https://fonts.google.com/specimen/Fredericka+the+Great?preview.text=Fredericka%20the%20Great&preview.text_type=custom&query=Fredericka+the+Great#glyphs

3. Flexbox: https://css-tricks.com/snippets/css/a-guide-to-flexbox/

4. Is a number: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/isNaN

5. JQuery Confirmation: https://github.com/craftpip/jquery-confirm

6. HTML and CSS: https://www.w3schools.com/

7. HTML validation: https://validator.w3.org/

8. CSS validation: https://jigsaw.w3.org/css-validator/