**COS10011 CREATING WEB APPLICATION**

**ASSIGNMENT 2 GROUP REPORT**

Group members:

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Tutorial Group: 2

**Where and how JavaScript is implemented**

Data Transfer

JavaScript was implemented to transfer data between the product pages and the enquiry page. When a product is clicked, the user will be redirected to the enquiry.html and the product data will be sent to a JavaScript storage function via an onclick Event Attribute. The data will then be sent to a function which displays the product data on an input field named ‘RE: Enquiry’. JavaScript was also implemented to change the ‘RE: Enquiry’ input field to whatever the user selects on the drop-down list.

Data validation and input checking of forms

JavaScript was implemented for the form in enquiry.html for form validation. The JavaScript implemented has multiple functions to validate the information entered to the form by the user and will display error messages if the information entered does not meet the form requirements. For example, in the “First name” input section, the JavaScript will verify if all the characters entered are alphabet characters or not and will prompt the user to only enter alphabet characters only if it detects numerical alphabets or symbols.

Drop-down list

JavaScript was implemented on the enquiry.html page by creating functions to generate a drop-down list. Three different functions were created to generate a list each for the products according to their types (Gaming keyboards, gaming mice, gaming controllers) by creating an array in each function to store the products and then a for loop was used to obtain the products from the array.

Another drop-down list was created for the “Products” button, which is on the navigation bar that is located on each of our webpages. This drop-down list contains the three kinds of products which are the gaming keyboards, gaming mice and gaming controllers. The JavaScript enhancement implemented here is that the drop-down list will close when the user clicks anywhere outside the list, in contrast to what we have learnt where the user must click on the “Products” button again to close the list.

Slide show

The automatic slideshow is an enhancement that is used on the homepage (index.html), which displays some pictures and information to attract attention from users. Each slide will display for 3 seconds before changing to the next slide and once it reaches the last slide it will restart from the first slide. The user can also navigate through the slides manually by clicking the left and right arrow buttons. Furthermore, there are dots on the bottom of the slides indicating the number of slides. The dots also work as navigation buttons as the user can use them to select the slide they want to see.

**Contribution**

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| **Team Member 1** | **Lim Yuan Shen** |
| **Contribution (%)** | **34 %** |
| **List of Contribution** | **Slideshow, enquiry button on product4.html and CSS, data transfer between different pages, group report for slideshow.** |
| **Team Member 2** | **Nathan Yong Hao Woei** |
| **Contribution (%)** | **33 %** |
| **List of Contribution** | **Navigation menu bar (product dropdown list and CSS), data transfer in same pages, group report for data transfer.** |
| **Team Member 3** | **Daniel Cornelius Wong Yui Herng** |
| **Contribution (%)** | **33 %** |
| **List of Contribution** | **Form validation, enhancement2.html, Group report for form validation and drop-down list.** |