**COMP2341 – Assignment 2**

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Website:   
Mantas.worcestercomputing.com/gymbro

Section 1, Articles: This task was made by using articles as a first introduction to the products in the home page, providing simple yet self-explanatory image and brief description of what they can expect after clicking the link. Considering they are the most important part of the website their position is carefully dedicated in the middle of the page and aligned using the css Grid which on smaller devices makes it go full width.

Section 2, Product pages: Product pages were made separately for every product to underline their uniqueness and purpose, each page consists of an image of the product, brief description, sound associated with it, price in five major currencies and “Buy now” button.

Section 3, Navigation: In order to avoid unnecessary clutter in the page, most of the links are internal and just help in navigating through the page, as the products here are generic and made up. If needed, more information can be provided by linking the footer Social media links to social pages that take part in informing about the use and purpose of the products advertised, the need of such thing is debatable and is not implemented by choice.

Section 4, A thumbnail: In the product section the product images can be zoomed in and preview closer by clicking on them, it is done not by using JavaScript as suggested, but by using checkbox  
simply by assigning the image as the label for the checkbox we can easily manipulate it as in this case checkbox works as a Boolean-like switch.  
Transform functionality is added to the checkbox along with the cursor representing its stage.

.product-display img {  
 transition: transform 0.25s ease;  
 cursor: zoom-in;  
}

input[type=checkbox]:checked ~ label > img {  
 transform: scale(1.5);  
 cursor: zoom-out;  
}

Section 5, A video: Video is used on the main page as advertisement-like section that can/could provide more insight into the products that are being offered. Html markup is a simple range of inputs and buttons that are being accessed in JS by creating their selection variables and using them in the function that serve certain purpose on controlling the flow and use of the video. Only difficulty encountered was properly displaying the currentTime and duration of the video, that was solved by creating a nested “if” statement that provided solution to that for any video that’s length is up to an hour. Fast forward and other functionalities that can’t be found in the page were not implemented due to them being deemed serving no purpose on this specific video. Styling was not a priority, only seek bars were changed slightly as that was something that wasn’t personally tried before.

Section 6, Canvas animation: Animation is created upon clicking the website icon on the top-left corner of the website, and it animates the same logo in the middle-top of the page, It is done, by using specific coordinates in the canvas, that is positioned in the center to create what appears to be an extending rounder line, but actually is a lot of overlapping circles that are being created closely one to another, by using an Arc function and assigning it to be 360 degrees by Math.PI \* 2, resulting in the logo being created. Canvas animation sticks on the top “jumbotron” section, does not disappear and cannot be removed unless the page is reloaded.

Section 7, Customized presentation: Header background color and font-size can be adjusted by the Selection boxes inside the footer, they are persistent and selected values stay applied by storing their representing numbers into the local storage that will stay there until its change or local storage is wiped. It is done, by assigning numbers to the Selection box values, which are later used in a function that apply the CSS functionality to the header tags by accessing the local storage, in this case by “localStorage.getItem('fontsize')” , these function are also called upon loading the page using “$(document).ready” resulting in the Font-Size and Header Background staying the same even after closing the page or reloading in.

Section 8, Advertisement:

Section 9, The price of products: Prices of the products can be chosen from (GBP, EUR, JPY, USD, CAD) their exchange rates are being received live in a form of JSON file from the Apilayer.net which are then being multiplied and/or divided with the default GBP value. Depending on which selection user makes, the new value is then calculated, its currency symbol is added and the total result then replaces the html value of paragraph tag containing the price.

Section 10, Small Form: Form is not visible until the “Subscribe” button at the bottom of the page is pressed, once it is, form appears at the middle of the viewport on top to which view is animated using “scrollTop: 0” function, form has 0.9 opacity black overlay that helps to focus on the form. Once users enter their details, all of the information is sent to the separate server as requested per task.

Section 11, 404 page: Any invalid link goes to the 404 page created and specified in the .htaccess file, page includes the information message in the middle and a button to the Index.html file.

Section 12, Additional functionality: -

**References:**

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