# Website Testing Checklist

|  |  |  |  |
| --- | --- | --- | --- |
| Checklist | | | |
| Data Integrity | **P** | **F** | **Comments/Evidence** |
| First name, Last name, email, password all enter into the database during registration. |  |  | Details are successfully entered into the database, which is shown in db. Signed up with the name “Kylian Mbappe”: |
| Registration ensures that password and confirm password match before completing registration. |  |  | Details were successfully entered into the database, which meant both password fields matched. If it did not, I would have not been able to register. |
| User can successfully log into the account. |  |  | The website brings me back to the index page, with the right nav bar changing to the logged in nav. |
| User can successfully access the update profile page with its correct information. |  |  | UpdateProfile shows the users details in the page, and editing it then pressing update profile successfully updates it in the database. I updated the email field to a new one:    However, while the field is updated in the database, the page does not update with the new information but instead the old information UNTIL the page is refreshed. |
| Guests cannot access the update profile and cart page. |  |  | Users can not access the updateprofile page, but the cart page can be accessed. This was fixed by applying the same code use to stop guests from accessing updateprofile page onto cart. They can no longer access the cart page now. |
| The navigation bar shows the correct links depending if the user is logged in or not. |  |  | Logged in users will see:    While logged out users will see:    Works as intended. |
| User greeting shows the correct name. |  |  | User greeting on the right side above the nav shows the user’s first name. |
| User can successfully log out of their account. |  |  | Pressing the button logs the user out, changing the nav bar on the right to the logged out nav which shows register and login buttons. |
| Website Content | | | |
| Minimum of 10 products is present on the website. |  |  | 12 products are listed on the website; 4 jars, 4 boxes, 4 accessories. |
| Content is relevant to the website topic. |  |  | All images and text are relevant to the topic of the website: which is an ecommerce website that sells oxygen. |
| Spelling and grammar checked for any errors. |  |  | All of the spelling and grammar on the website has been checked. |
| Navigation bar directs to the correct page. |  |  | Each and every nav link directs the user to correct website. |
| Readable text and images. |  |  | Every text and images are readable from a good distance. |
| Suitable colours are used for backgrounds, boxes, text and links. |  |  | All colours used are suitable for the user’s eyes and no colour is too high in contrast. |
| Dynamic user content is present. |  |  | The cart is a dynamic user content, where the user can add and remove items from the cart, which will update with the new items and information. Prices changes will differing quantity as well. |
| Minimum of two different media types is used in the website. |  |  | Images and css are different media types used in the website. |
| Mobile friendly (for the user). |  |  | While the site is very mobile friendly (boxes, images all adjust and resize depending on the screen), more steps have been made to make it even better. This included removing the welcome message if there is not enough room at the top, as well as wrapping the nav so no links get cut off. |
|  |  |  |  |
|  |  |  |  |
| Website Functionality | | | |
| User registration |  |  | User can successfully register and its information is inserted into the db. |
| User login |  |  | User can successfully log in. |
| Edit/update profile |  |  | User can successfully edit and update their profile on the page. |
| Cart is dynamically updated. |  |  | The the user can add and remove items from the cart, which will update with the new items and information. Prices for different quantity also changes. |
| Users can add items to their shopping cart. |  |  | User can add items. A popup message tells the user that is has been added |
| Users can delete items from their shopping cart. |  |  | The user can successfully remove items; a popup message tells the user that it has been removed. |
| Cart is able to be viewed. |  |  | Clicking the cart link will bring the user to the cart page, which will display the items in the cart. |
| Website Compatibility | | | |
| Website is compatible with Edge |  |  | Minor difference: o2you logo on the index page is slightly bigger compared to chromes. |
| Website is compatible with Firefox |  |  | Firefox 61 was used to test the website. It worked extremely well and problems were found. |
| Website is compatible with Chrome |  |  | Chrome 67 was used to test the website. It works flawlessly; it was also the main browser used to help develop the website. |
| Website is compatible with Internet Explorer |  |  | All of the website functions work in IE, with a few of the images looking bigger than other browsers. But no sane person uses IE anymore. |
| Website adapts to screen/browser size changes |  |  | The website adjusts it sizes of its items/attributes depending on the browser size. |
|  |  |  |  |
|  |  |  |  |
| Website Code | | | |
| External stylesheet is used in the development of the website |  |  | A styles.css file is used to externally style the website. |
| HTML5 is used to structure the web page content |  |  | HTML5 tags are used to create the website;  Header, nav, section, main etc are used in the creation of the website. |
| Back-end database is used to grab and store data |  |  | A local database is used in phpMyAdmin to store and grab user and product data |
| Code commenting is prevalent in the code |  |  | Every file is code commented; except for cart.php. This is later fixed with the Final Test Phase IV commit. |
| HTML code has been validated through a validator |  |  | Every file’s code was run through validator.w3.org html validator service. Errors that appeared were fixed. Many errors that popped was also related to php; perhaps the validator does not work well with php code in the html files. |
| CSS code has been validated through a validator |  |  | CSS code was run through jigsaw.w3.org css validator service. It returned with zero errors. |
|  |  |  |  |
|  |  |  |  |

# Database

|  |  |  |  |
| --- | --- | --- | --- |
| Checklist | | | |
| Structure | **P** | **F** | **Comments/Evidence** |
| Appropriate fields names, data types, sizes, keys and formatting in the database tables. |  |  | All of the field names, datatypes and its sizes and the primary keys are suitable for what it is being used for. |
| An interface form is present in the website (and works correctly). |  |  | Registration, login, updateprofile, adding items to cart all work properly. Information is properly inputted and grabbed from the database. |
| Data sets have been normalised to third normal form. |  |  | Non-primary keys are all INDEPENDENT of each other and only relies on the primary key. |
| Data sets have been normalised to first normal form. |  |  | Each and every row contains a single value and no other value. First name has first name, address has address and so on. |
| Datatypes lengths are of appropriate size. |  |  | Datatypes for most keys are 255 long, which I believe is too long. This has been modified to 128 long, which I believe is the appropriate size for most input fields. |
| Length of datatypes are maintained and are consistent with the website. |  |  | Table will successfully hold the maximum character length for each datatype. Both website and database will hold the same character length, which is 128 characters for most keys. |
| Any UNIQUE and NULL characteristics are maintained. |  |  | The database does not have any NULL characteristics for any of its keys. Auto Increment keys increment properly. |
|  |  |  |  |
| Queries | | | |
| Website correctly shows the right products from the table. |  |  | The queries made show the CORRECT type of products, thus they are in the correct section. Jars are in the jar section and so on. |
| Users can add items to a cart. |  |  | A message pops up when the user adds an item to cart confirming that it is added. |
| Users can delete items from the cart. |  |  | Another message pops up when the user clicks the remove button on the cart page, confirming the user that the item has been removed. |
| Guests cannot add items into their cart. |  |  | Guests cannot access the cart page without logging in, and attempting to add an item to cart will notify them that they must log in. |
| Users can edit their profiles once they are logged in. |  |  | Their details are updated in the table, and a message notifies them that it has updated. |
| Guests cannot access the update profile and cart page until they are logged in. |  |  | When trying to access either pages it will redirect them to login page. |
|  |  |  |  |
| User cannot log in if the login details inputted are incorrect |  |  | User will not be able to log in until both email and password for the same row matches. |
|  |  |  |  |
|  |  |  |  |