

INTRODUCTION TO COMPUTING TECHNOLOGIES

PCT0101

HTML and CSS Project

TRIMESTER 1 2022/2023

FOUNDATION

FACULTY OF COMPUTING AND INFORMATICS

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| LECTURE/TUTOR GROUP: | TL5L |
| LECTURER/TUTOR NAME: | Mr. CHENG YUN QUAN |
| GROUP LEADER: | Hesham Nader Deyaaedeen Eisa - 1221101049 |
| GROUP MEMBER 1: | Habeba Nader Deyaaeddein Eisa - 1221101048 |
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**Part A, Content:**

We created a website with a 5 day workout routine for people looking to start going to the gym. Habeba was the **CSS** Developer while Hesham was the HTML **Developer**.

**Part B, Methodology:**

We thought communication between the two parts of the website (html and css) was very crucial and for that reason we created a private Github repository where we both worked on. Github allows very efficient work to be done with a group of people and so it was very easy for a back and forth to occur with requesting a certain feature, highlighting a bug and all of that.

Graphical user interface, text

Description automatically generated

A screenshot of a computer screen

Description automatically generated with medium confidence

A screenshot of a computer screen

Description automatically generated

Furthermore, Github is but a platform that allows communication and efficient workflow, we still needed to test our code and make sure it works. For that every time we made significant progress we would stop there then test the CSS and HTML code to make sure it all works. The CSS Dev (Habeba) would test the HTML code and make sure it is properly connected, linked, and designed properly for her standards. On the other hand, the HTML Dev (Hesham) would also take a good look at the CSS code and make sure the code is not redundant and still works after the constant changes that have been done to the HTML files. Each of us created a table to show what we were looking for and keeping a note for. This format was kindly provided by Mr Cheng Yun Quan.

**Part C, Testing:**

**HTML TESTER REPORT – courtesy of Habeba**

|  |  |  |
| --- | --- | --- |
| **Test Objective** | **Expected result/behaviour** | **Pass/Fail** |
| Page titles | Every page MUST have a page title like so: | PASS |
| Background image | Pages must have their backgrounds changed to an image. | PASS |
| Hyperlinks work | When the hyperlinks are clicked, they should work correctly and open the page they were meant to. | PASS |
| Images | There has to be at least 4 images imported from different sources, according to the rubrics. Images should also have appropriate Alternative text for accessibility. | PASS |
| Readability | The code must have comments to explain what it does if necessary and it must follow good programming style. | PASS |
| Video Embed | The video embedded must work correctly and play the intended video. | PASS |

Deployment:

Before deployment it is important for the website to work correctly on different devices and for this reason Habeba sent the entire zip file to her father so she could get another device’s point of view and make sure all formatting works as intended.

Graphical user interface, Teams

Description automatically generated

**CSS TESTER REPORT – courtesy of Hesham**

|  |  |  |
| --- | --- | --- |
| **Test Objective** | **Expected result/behaviour** | **Pass/Fail** |
| Image formatting | The images need to be aligned correctly as discussed between the developers. | PASS |
| 2-level list with custom icons | There has to be lists with custom icons in the webpages | PASS |
| Font formatting | The font all around must be correctly formatted for readability and design. | PASS |
| Columns | The columns must work correctly and display the data they are supposed to. | PASS |
| Design elements (Banners, footers, table of contents etc) | These elements should behave as intended and work efficiently. | PASS |
| Readability | The code must have comments to explain what it does if necessary and it must follow good programming style. | PASS |

**Integration**:

Every (hyper)link, image and css link on the website has been checked by the HTML Developer to make sure it is ready for the next phase.

**Performance test**:

Google Chrome gives us access to a lot of performance testing features, so we double checked to make sure the website runs with no problem and good low latency:

Graphical user interface, application

Description automatically generated