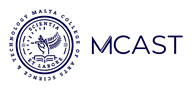
**ASSESSMENT AND INTERNAL VERIFICATION FRONT SHEET (Individual Criteria)**

**(Note : This version is to be used for an assignment brief issued to students via Classter)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course  Title | | Diploma in ICT/iGaming (MQF Level 3) | | | **Lecturer Name & Surname** | **Mark Scicluna** | | |
| Unit Number & Title | | | ITDBS-306-2002 – Website Design and Development | | | | | |
| Assignment Number, Title / Type | | | 02, Mastering the Web (PART 1 OF 2) – Home | | | | | |
| Date Set | | | 15-03-2022 | Deadline Date | 05-04-2022 | | | |
| Student Name | Clayton Schembri | | | ID Number | 0374705L | | Class / Group | DIT3.1A |

|  |  |
| --- | --- |
| Assessment Criteria | Maximum Mark |
| *K1.3: Outline web browsers’ developer tools* | 4 |
| *K3.6: Identify HTML mark-up tags for a multipage website* | 4 |
| *K3.7: Identify CSS selectors for a multipage website* | 4 |
| *U3.3: Review a basic page structure according to web standards (W3C)* | 6 |
| *U3.4: Indicate the use of a responsive design* | 6 |
| *A2.1: Develop high-fidelity designs of a multipage website* | 10 |
| *A4.3: Produce a working form with mail to attribute* | 10 |
| Total Mark | 44 |

|  |
| --- |
| **Notes to Students:** |
| * This assignment brief has been approved and released by the Internal Verifier through Classter. * Assessment marks and feedback by the lecturer will be available online via Classter (<Http://mcast.classter.com>) following release by the Internal Verifier * Students submitting their assignment on VLE/Unicheck will be requested to confirm online the following statements:   **Student’s declaration prior to handing-in of assignment**   * I certify that the work submitted for this assignment is my own and that I have read and understood the respective Plagiarism Policy   **Student’s declaration on assessment special arrangements**   * I certify that adequate support was given to me during the assignment through the Institute and/or the Inclusive Education Unit. * I declare that I refused the special support offered by the Institute. |

  
Diploma in ICT/iGaming (MQF Level 3)

Website Design and Development

**Mastering the Web**

**Home Assignment**

**Assignment Structure**

* **Part 1:**Practical – (1) Design (2) Code: Implement & Validate
  + Web Browser Developer Tool – snapshot own project context **(4 marks)** *– K1.3*
  + Code Snippets – for HTML and CSS **(8 marks)** *– K3.6, K3.7*
  + Validate own code **(6 marks)** *– U3.3*
  + High-fidelity Prototypes – for Web pages & Responsiveness **(16 marks)** *– U3.4, A2.1*
  + Code Web pages for a chosen scenario **(10 marks)** *– A4.3*

**Assignment Guidelines**

* This assignment is in the form of a **home assignment** with a duration of **3 weeks**.
* Attempt **all** questions.
* Submission deadline: **05th April 2022**. Late submissions will **not** be accepted.
* Submission method: **soft copy only** and on **VLE** (more instructions will be given by your lecturer).
* The College operates a cheating/**plagiarism policy,** and any copied work will be subject to this policy.
* All the institute procedures rules and regulations apply to this assignment.
* **Interviews** may be held if an element of copying is suspected. Significantly failing to respond questions addressed by your tutor can in turn **invalidate** your submission.
* **Rename** your **Mastering\_the\_web-TEMPLATE.docx file** to match this pattern: **ClassGroup\_YourName\_YourSurname**.docx (for example **DIT31Q\_Peter\_Piper**.docx)
* **Create** your **Code Solution (folder) and maintain it** like the **below structure**
  + **Root (folder)**
    - **www (folder)**
      * **assets (folder)**
        + **Mastering\_the\_web-TEMPLATE.docx**

(Template word document file, previously edited by you)

* + **images (folder)**
    - **YOUR IMAGE FILES GO HERE**
      * **pages (folder)**
        + **subscribe-page.html** (subscribe page)
      * **styles (folder)**
        + **YOUR CSS FILE(S) GO HERE**
* **Make sure that your Template Word Document File is attached to your Code Solution folder as explained above**
* **Compress** your **Code Solution (Folder)** as **zip** or **rar** file

**(Other compression formats shall not be accepted)**

* Carefully **upload** **such** **compression** onto your Class Group submission link provided in the VLE.

**Part 1: Design, code and validate own web project.**

**Additionally, report findings.** *K1.3, K3.6, K3.7, U3.3, U3.4, A2.1, A4.3*

**PART 1 MUST BE SUBMITTED BY NOT LATER THAN TUESDAY 05 APRIL 2022**

Please choose **one** of the following scenarios:

* **GYM** website (with pages: *Home, Membership, Subscribe*)
* **Travel Agency** website (with pages: *Home, Packages, Subscribe*)
* **Animal Sanctuary** website (with pages: *Home, Adopt, Subscribe*)
* **Property Rentals** website (with pages: *Home, Properties, Subscribe*)
* **Q&A** website (with pages: *Home, Topics, Subscribe*)
* **Local Heritage** website (with pages: *Home, Heritage Sites, Subscribe*)

**Graphical user interface, application

Description automatically generated**

**[A2.1] – Prototyping own webpages** for a chosen scenario.

Your chosen scenario (from above) requires **3 web pages** in total.

A high-fidelity sketch for the **Subscribe** page, that contains an HTML form in it, has been created for you just below.

**Your task is to:**

* Choose **any high-fidelity program** of your preference and
* Create **a high-fidelity** sketch (**desktop** **version**) **for each** of the

remaining pages mentioned in your scenario– **2 high-fidelities** in total

*Attach a copy of your 2 high-fidelity sketches (Web pages) in this VLE document:*

[**Mastering-the-web-TEMPLATE.docx**](https://vle.mcast.edu.mt/mod/resource/view.php?id=14162) link

**5 marks total per high-fidelity**

**[U3.4] –** **Mobile Responsiveness** sustains and prolongs the usability of a website.

**Your task is to:**

* Choose **any high-fidelity program** of your preference and
* Pick **any page** from your project **except the Subscribe** and

**convert said page** into a **mobile-friendly** interface

* Customize your design for a **mobile-sized** viewport

*(Example: 360x640px, 360x740px, 390x844px, 428x926px, 480x853px)*

* **3 responsive features** must be presented in your design

**The output of this high fidelity must be different from the sketch that you had provided for same page as desktop version, otherwise it will be invalidated.**

*Attach a copy of your High-fidelity sketch (Responsive) in this VLE document:*

[**Mastering-the-web-TEMPLATE.docx**](https://vle.mcast.edu.mt/mod/resource/view.php?id=14162) link

**6 marks**

**[A4.3] –** Follow instructions below to **code an HTML Form** in your **Subscribe page**.

**Fields** required:

* **Subject** (textbox – **hidden**)
* **First Name** (textbox)
* **Last Name** (textbox)
* **Country** (drop-down list)
* **Email** (textbox)
* **Subscribe** (button of type ‘submit’)

**0.25 marks total per field**

**Settings** required:

* **get** method
* **plain text** encoding
* **subject\*** (for a *name* attribute) with value of: “**Subscribe from email shown below**”
* **body\*** (for a *name* attribute)

**\*subject and body must be individually set on 2 separate fields from above**

**2 marks total per setting**

**Form Testing** to be carried out as follows:

* Type your **First Name**, **Last Name** and **Country** details
* Set the **Email** field to: [john.wright@gmail.com](mailto:john.wright@gmail.com)
* Click onto **Subscribe** button

**Your task is to:**

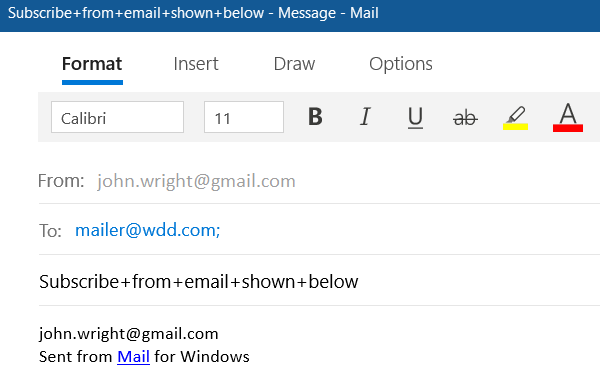
* **Read** the **instructions** previously mentioned and
* Create an **HTML form** in your **Subscribe page** that is aligned with said

instructions

**Result** **expected**:

* A **desktop mailing application** (example: Mail) should open up
* An email will be auto composed & highly similar to the image shown below

**0.5 marks total for a working result**



**The highlighted area (in red above) is the expected result.**

Check your **targeted resolution** (on desktop) and type it in this VLE document: [**Mastering-the-web-TEMPLATE.docx**](https://vle.mcast.edu.mt/mod/resource/view.php?id=14162) link

**[K1.3] –** Explore the **Web Developer Tools**.

**Your task is to:**

* Choose **any Web Browser** of your preference
* Run your web project, containing your HTML form, onto said browser
* Open the **Developer Tools** of said browser
* Go to the **Elements panel** and **select a node** (must have CSS in it)
* Take a **screenshot of the Elements panel**

(Showing chosen node as highlighted) and **paste it** in this

VLE document: [**Mastering-the-web-TEMPLATE.docx**](https://vle.mcast.edu.mt/mod/resource/view.php?id=14162) link

**2 marks**

* Take a **screenshot of the Styles panel**

(Showing CSS styles of chosen node)and **paste it** in this

VLE document: [**Mastering-the-web-TEMPLATE.docx**](https://vle.mcast.edu.mt/mod/resource/view.php?id=14162) link

**2 marks**

**[K3.6] –** Extract some **Code Snippets of your HTML code** produced for the form.

**Your task is to:**

* Choose **any 2 HTML nodes (with different tag names)** from your

own code

* Take a **valid** **code snippet for each HTML node** chosen above
* **Paste** **both code snippets** in this

VLE document: [**Mastering-the-web-TEMPLATE.docx**](https://vle.mcast.edu.mt/mod/resource/view.php?id=14162) link

**1 mark total per code snippet**

* Give a **valid reason for each chosen node** in your form in this

VLE document: [**Mastering-the-web-TEMPLATE.docx**](https://vle.mcast.edu.mt/mod/resource/view.php?id=14162) link

**1 mark total per reason**

**[K3.7] –** Extract some **Code Snippets of your CSS code** produced for the form.

**Your task is to:**

* Choose **any 2 CSS rules (with different selectors)** from your

own code

* Take a **valid** **code snippet for each CSS rule** chosen above
* **Paste** **both code snippets** in this

VLE document: [**Mastering-the-web-TEMPLATE.docx**](https://vle.mcast.edu.mt/mod/resource/view.php?id=14162) link

**1 mark total per code snippet**

* Give a **valid reason for each chosen selector** in your form in this

VLE document: [**Mastering-the-web-TEMPLATE.docx**](https://vle.mcast.edu.mt/mod/resource/view.php?id=14162) link

**1 mark total per reason**

**[U3.3] – Validate all of your HTML and CSS code** produced for the form.

**Your task is to:**

* Choose **any HTML Validator tool (online)** of your preference and

**validate all** of your **HTML** code

Example: <https://validator.w3.org/#validate_by_input>

* Take a **screenshot** **of the whole result** given by the validator & paste

it in this VLE document: [**Mastering-the-web-TEMPLATE.docx**](https://vle.mcast.edu.mt/mod/resource/view.php?id=14162) link

**3 marks**

* Choose **any CSS Validator tool (online)** of your preference and

**validate all** of your **CSS** code

Example: <https://jigsaw.w3.org/css-validator/#validate_by_input>

* Take a **screenshot** **of the whole result** given by the validator & paste

it in this VLE document: [**Mastering-the-web-TEMPLATE.docx**](https://vle.mcast.edu.mt/mod/resource/view.php?id=14162) link

**3 marks**

**MARKING SCHEME – PART 1** (44 MARKS)

**For assessor’s use ONLY (Mark where applicable)**

| **K1.3** | **Outline web browsers’ developer tools** | **Max** | **Awarded** |
| --- | --- | --- | --- |
|  | **Elements panel**  1 **valid screenshot** provided,  **clearly showing chosen HTML node (as highlighted)**  **- 2 marks**  **Styles panel**  1 **valid screenshot** provided,  **clearly showing the CSS styles of previously chosen node**  **- 2 marks** | 4 | x .  x . |
| **Total** |  | **4** |  |

| **K3.6** | **Identify HTML mark-up tags for a multipage website** | **Max** | **Awarded** |
| --- | --- | --- | --- |
|  | **HTML mark-up tags –** *code snippets and reasons*  Award **1 mark** to **each** **valid code snippet** provided.  **- 2 marks total**  Award **1 mark** to **each valid reason** provided.  **- 2 marks total**  [2 code snippets and 2 reasons in total]  **No marks will be given to the 2nd snippet and reason if it is sharing the same tag name presented in the 1st one.** | 4 | x .  x . |
| **Total** |  | **4** |  |

| **K3.7** | **Identify CSS selectors for a multipage website** | **Max** | **Awarded** |
| --- | --- | --- | --- |
|  | **CSS rules –** *code snippets and reasons*  Award **1 mark** to **each** **valid code snippet** provided.  **- 2 marks total**  Award **1 mark** to **each valid reason** provided.  **- 2 marks total**  [2 code snippets and 2 reasons in total]  **No marks will be given to the 2nd snippet and reason if it is sharing the same CSS selector presented in the 1st one.** | 4 | x .  x . |
| **Total** |  | **4** |  |

| **U3.3** | **Review a basic page structure according to web standards (W3C)** | **Max** | **Awarded** |
| --- | --- | --- | --- |
|  | **HTML Validation report**  1 **valid screenshot** provided,  **clearly showing your whole HTML validation result**  **- 2 marks**  **CSS Validation report**  1 **valid screenshot** provided,  **clearly showing your whole CSS validation result**  **- 2 marks** | 4 | x .  x . |
| **Total** |  | **6** |  |

| **U3.4** | **Indicate the use of a responsive design** | **Max** | **Awarded** |
| --- | --- | --- | --- |
|  | **High-fidelity wireframe (MOBILE-SIZED)**  A **mobile-sized** wireframe representation for a chosen page  **- 1.5 marks (if clearly presented)**  **- 0.75 marks (if poorly presented)**  Award **1.5 marks** to **each valid responsive feature**  **- 4.5 marks total**  [3 responsive features in total] | 1.5  \_  4.5 | x .  x . |
| **Total** |  | **6** |  |

| **A2.1** | **Develop high-fidelity designs of a multipage website** | **Max** | **Awarded** |
| --- | --- | --- | --- |
|  | **High-fidelity requirements**  **Fidelity 1:**  In **home page only** you must apply:   * **1 Logo** in toparea of page * **1 heading** (at minimum) * **2 sub-headings and 2 icons** (at minimum) * **2 paragraphs** (at minimum) * **1 image** (at minimum)   **- 0.5 marks total per bullet point**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Fidelity 2:**  In **page 2 only** you must apply:   * **1 heading** (at minimum)   **- 1 mark**   * **Gallery of 5 images** (at minimum)   **- 1.5 marks total**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Fidelity 1 and 2:**  **4 Core Structure placements** applied to **both page sketches**  (Header, Navigation, Main, Footer)  **- 1 mark total per sketch (if all 4 placements found)**  **- 0.5 marks total per sketch (if 2 / 3 placements found)**  **Colour Scheme** suitably applied to **both page sketches**  (a **valid** scheme range is between 2 to 4 distinct base colours)  **- 1.5 marks total per sketch (if scheme is valid)**  **- 0.5 marks total per sketch**  **(if scheme has 1 or more than 4 color tones)** | 2.5  \_  2.5  \_  2  \_  3 | x .  x .    x .    x . |
| **Total** |  | **10** |  |

| **A4.3** | **Produce a working form with mail to attribute** | **Max** | **Awarded** |
| --- | --- | --- | --- |
|  | **HTML Form:**  **Fields**   * **1 Subject** (textbox – **hidden**) * **First Name** (textbox) * **Last Name** (drop-down list) * **Country** (drop-down list) * **Email** (textbox) * **Subscribe** (button of type ‘submit’)   **0.25 marks total per field**  **Settings**   * **get** method * **plain text** encoding * **subject** (for a name attribute)   with value “*Subscribe from email shown below*”   * **body** (for a name attribute)   **2 marks total per setting**  **Functionality**  **On Form Button Click** 🡪   * an **email** is **auto-composed** via a desktop mailing app * **valid values populated** in fields: **To**, **Subject**, **Body**   **0.5 marks total for a working result** | 1.5  \_  8  \_  0.5 | x .  x .  x . |
| **Total** |  | **10** |  |

**For assessor’s use ONLY**

**Part 1:** Total mark obtained (out of 44): **\_\_**