Web Design and Development

4COSC011W

Report

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Student ID: 20222012 / w2052856

Group Number:

Group Name: Oceanic Life

Student Role: Student 04

Link(s) to Website

URL:

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# Introduction

This report offers a comprehensive description detailing the creation of the website for the coursework of Web Design & Development module. Our team’s goal was to create a visually pleasing, fully functional website which is rich in content that clearly conveys the meaning and message behind the chosen topic. To develop and design the website the programming languages used were HTML, CSS, and JavaScript. CSS was optimized to give a modern look for the site and with the use of JavaScript, interactivity of the website was enhanced. The website consists of all the required pages and was developed abiding by the rules stated in the CSW description. All team members worked together sharing each other’s knowledge, ideas, and skill to ensure that all the pages have perfect functionality and a unified theme, look, and feel.

With thorough research regarding the chosen goal performed by all team members our team aimed to convey the importance of the said goal through four related topics separately integrated as four content pages. A color palette in accordance with the topic, and related images were appropriately used. A name and a logo related to the theme were applied to give the site a more personable feel.

In the development process of the website our team and I got the opportunity to expand our knowledge of web design, user experience enhancement, team work, and project management. We were able to gain valuable experience and insight into the process of creating such a project and were faced with challenges that helped us identify our strengths and weaknesses. The following sections present information on the challenges and obstacles faced during the process as well as the methodologies we applied in order to overcome them. Additionally, we will reflect on the project discussing important lessons learned, and areas to improve.

## 1.1 Team Members and Task Allocation

**Student 1**

*Name*: Chethana Laksika

*IIT No:*  20221880

*UoW No:* w2052857

Assigned Tasks

Member was assigned to create following pages including CSS styling and JavaScript for their relevant pages.

* splash.html
* shop.html
* Content Page
  + Research and write content on the topic “Marine Life-Awareness”.
* Page Editor

**Student 2**

*Name*: Sithum Duleka

*IIT No:*  20230230

*UoW No:* w2053782

Assigned Tasks

Member was assigned to create following pages including CSS styling and JavaScript for their relevant pages.

* home.html
* feedback.html
* Content Page
  + Research and write content on the topic “Tackling Overfishing”.
* Page Editor
* Header template with navigation bar
* styles.css – general style sheet used for website

**Student 3**

*Name*: Pasan De Silva

*IIT No:*  20230466

*UoW No:* w2055318

Assigned Tasks

Member was assigned to create following pages including CSS styling and JavaScript for their relevant pages.

* team.html
* profile.html
* Content Page
  + Research and write content on the topic “Marine Pollution”.
* Page Editor

**Student 4**

*Name*: Kenula Nimhan

*IIT No:*  20222012

*UoW No:* w2052856

Assigned Tasks

Member was assigned to create following pages including CSS styling and JavaScript for their relevant pages.

* gallery.html
* sitemap.html
* Content Page
  + Research and write content on the topic “Marine Ecosystems”.
* Page Editor
* HTML and CSS template for content pages.

## 1.2 Website topic/theme

Theme of website: “Life Below Water”

Website title: “Oceanic Life”

## 1.3 Contributions

| **Group Coursework Meetings** | | |
| --- | --- | --- |
| **1** | **Date & Time** | **25th February**  **10.30 a.m. (In person)** |
| **Objective:** | **Assigning Student Role** |
| **Attended:** | **Yes** |
| **Your Contribution:** | **Pointed out my strengths and weaknesses and discussed on which role would be most suitable for myself.** |
| **2** | **Date & Time:** | **2nd March**  **7.30 p.m. (Online)** |
| **Objective:** | **Choose UN goal /theme for website** |
| **Attended:** | **Yes** |
| **Your Contribution:** | **Helped identify which theme would be easier to collect information on.** |
| **3** | **Date & Time:** | **10th March**  **6.00 p.m. (Online)** |
| **Objective:** | **Discuss Progress** |
| **Attended:** | **Yes** |
| **Your Contribution:** | **Presented currently developed pages and shared new ideas for pages to be developed.** |
| **4** | **Date & Time:** | **17th March**  **10.00 a.m. (In person)** |
| **Objective:** | **Discuss Progress** |
| **Attended:** | **Yes** |
| **Your Contribution:** | **Helped with improvement of teammates’ code and worked on styling pages to look unified.** |
| **5** | **Date & Time:** | **21st March**  **9.00 a.m. (In person)** |
|  | **Objective:** | **Finalising Project** |
|  | **Attended:** | **Yes** |
|  | **Your Contribution:** | **Linked all pages and tested the useability and behavior of website** |

# Technical Discussion

## 1.1 Implementation

*1000 words (guideline)*

Section guidelines –

* Provide a detailed explanation of your approach to implementing the tasks assigned to you, with a focus on the **HTML**, **CSS**, and **JavaScript** techniques utilized. This explanation should be accompanied by a rationale that defends your decisions and elucidates why this approach was chosen. Use clear headings for each task e.g.

2.1 Splash Screen Implementation

2.2 Shop implementation

..

* Detail any challenges encountered during the task, explaining how they were addressed, and the lessons learned from overcoming them.
* Reference the resources consulted throughout the task, including lecture notes and external sources, to provide context and support for your methodology.
* Enhance your explanation with relevant code snippets and screenshots where applicable, ensuring they are used to reinforce and illustrate your points effectively.
* Limit your discussion to the tasks specifically assigned to you as shown in Table 2 below.
* Consult the Coursework Specification document for more information about each task requirements.

|  |  |  |  |
| --- | --- | --- | --- |
| **Student 1** | **Student 2** | **Student 3** | **Student 4** |
| Splash Screen | Home Page | User Profile | Gallery |
| Shop | Feedback | Team | Sitemap |
| Content page | Content page | Content page | Content page |
| Page Editor | Page Editor | Page Editor | Page Editor |
| Use of the provided navigation bar (adapted) | Provide the navigation bar and utilize it in all pages (adapted) | Use of provided navigation bar (adapted) | Use of provided navigation bar (adapted) |
| Use of provided template (adapted) | Provide the template for the website and utilize the template to all pages (adapted) | Use of provided template (adapted) | Use of provided template (adapted) |
| Additional CSS | Additional CSS | Additional CSS | Additional CSS |
| Additional JavaScript | Additional JavaScript | Additional JavaScript | Additional JavaScript |
| Upload to Webserver | Upload to Webserver | Upload to Webserver | Upload to Webserver |

**Table 2** Team members task allocation for the Coursework

Complete your technical discussion by providing the following n the Appendices:

* In Appendix A provide a copy of all your code
* In Appendix B provide snapshots of all your web pages
* In Appendix C provide snapshots from the validator for three pages, demonstrating that there are no errors present.

## 1.2 Task completion checklist

*200 words (guideline)*

Section guidelines – Utilize the table provided in Appendix D to assess the extent to which you have successfully completed the tasks assigned to you for implementation.

# Webpage Validation Statement

*50 words (guideline)*

Section guidelines - Briefly state which three of your web pages validated without errors. Put the screen shots of the validation results in Appendix C.

# Janet

*150 words (guideline)*

Section guidelines - Explain how your web site complied with Janet Regulations, [Janet Policies and Legal Requirements](https://community.jisc.ac.uk/library/janet-services-documentation/janet-policies-and-legal-requirements).

# Self-reflection

*300 words (guideline)*

Section guidelines – Provide a self-reflection about the entire process completing the coursework reflecting on how this experience has contributed to shaping your personal development plan within your studies. Use the following heading to structure your arguments. Strive for conciseness and critical reflection.

State what you enjoyed and did not enjoy about teamwork.

State what you learnt about teamwork.

State what skills you gained/learnt from undertaking the project.

State any strengths about yourself that emerged whilst undertaking the project.

State any weaknesses about yourself that emerged whilst undertaking the project.

State how you would do things better if you were to undertake the project again.

Additional general or project specific comments:

# References

Provide references to resources you have used.

[How to reference your work](https://www.westminster.ac.uk/current-students/studies/study-skills-and-training/research-skills/referencing-your-work)

# Appendices

## Appendix A: Code

Section guidelines – Provide a full listing of your files, with well indented and commented code in the following format:

* Filename
* Code

## Appendix B: Screenshots

Section guidelines – Provide a screenshot of all your web pages, in the following format:

* Filename
* Screenshot(s)

## Appendix C: Screenshots - Webpage Validation Evidence

Section guidelines – Provide screenshots from the validator for three pages, demonstrating that there are no errors present, in the following format:

* Filename
* Screenshot(s)

## Appendix D: Task Completion Checklist

Section guidelines – Complete the table to indicate if any of your tasks were not completed or partially completed. Delete the tables that are no relevant to your task allocation.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Student 1 Tasks** | **Completed** | | | **Student Comments** |
| **Yes** | **No** | **Partially** |
| 1 – Splash Screen |  |  |  |  |
| 2 – Shop |  |  |  |  |
| 3 – Content page |  |  |  |  |
| 4 – Page Editor |  |  |  |  |
| 5 – Use of the provided navigation bar (adapted) |  |  |  |  |
| 6 – Use of provided template (adapted) |  |  |  |  |
| 7 – Additional CSS |  |  |  |  |
| 8 – Additional Interactivity |  |  |  |  |
| 9 – Uploaded to Webserver |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Student 2 Tasks** | **Completed** | | | **Student Comments** |
| **Yes** | **No** | **Partially** |
| 1 – Home Page |  |  |  |  |
| 2 – Shop |  |  |  |  |
| 3 – Content page |  |  |  |  |
| 4 – Page Editor |  |  |  |  |
| 5 – Provide the navigation bar and utilize it in all pages (adapted) |  |  |  |  |
| 6 – Provide the template for the website and utilize the template to all pages (adapted) |  |  |  |  |
| 7 – Additional CSS |  |  |  |  |
| 8 – Additional Interactivity |  |  |  |  |
| 9 – Uploaded to Webserver |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Student 3 Tasks** | **Completed** | | | **Student Comments** |
| **Yes** | **No** | **Partially** |
| 1 – User Profile |  |  |  |  |
| 2 – Team |  |  |  |  |
| 3 – Content page |  |  |  |  |
| 4 – Page Editor |  |  |  |  |
| 5 – Use of the provided navigation bar (adapted) |  |  |  |  |
| 6 – Use of provided template (adapted) |  |  |  |  |
| 7 – Additional CSS |  |  |  |  |
| 8 – Additional Interactivity |  |  |  |  |
| 9 – Uploaded to Webserver |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Student 4 Tasks** | **Completed** | | | **Student Comments** |
| **Yes** | **No** | **Partially** |
| 1 – Gallery |  |  |  |  |
| 2 – Sitemap |  |  |  |  |
| 3 – Content page |  |  |  |  |
| 4 – Page Editor |  |  |  |  |
| 5 – Use of the provided navigation bar (adapted) |  |  |  |  |
| 6 – Use of provided template (adapted) |  |  |  |  |
| 7 – Additional CSS |  |  |  |  |
| 8 – Additional Interactivity |  |  |  |  |
| 9 – Uploaded to Webserver |  |  |  |  |