BRISBANE ADVENTIST COLLEGE
DEVELOPING CHARACTER

Subject	Digital Technologies	Task Name	CSS Project
Semester	1	Task Number	2
Teacher	Mr Henley	Type	Digital Project
Due date	13 May 2021	Authorship	Individual

Context

Oceanic Airlines is a new airline servicing the Australia, New Zealand, and the Pacific Islands. Oceanic Airlines requires a website to be built to promote their brand. A technical proposal outlining the requirements for the website has been supplied.

Task Description

Develop the CSS for a website according to the requirements outlined in the provided technical proposal for this client. Document the problem solving process and demonstrate the functionality of the website by building a working website

Conditions/Submissions

- You have three weeks to complete this task
- The task is to be completed individually
- Class time provided to work on your task
- Draft is due one week before final submission

Think about

How will you demonstrate each of the criteria in the standards elaborations?

Technical Proposal

Introduction

Your client has contracted you to design a website that has a consistent look and feel. Currently they have a HTML only site that lacks visual appeal and as a result is difficult to navigate. The client wants you to add CSS to make the site visually more appealing and more functional as a result. The home page has been sent to you so you can work on the design.

Your website must contain the following elements:

- A colour scheme that matches the Oceanic Airlines logo
- A navigation bar styled with CSS
- A complete home page containing links to content pages within the website. The other pages need a statement that the site is under construction
- Consistent styling (e.g. for headings, paragraphs, background colours, image size etc.)

The client has sent an artist's impression for what they home page may look like. You can see this below:

Client

Oceanic Airlines is a charter airline servicing the Pacific. They want their website that have a consistent colour scheme and a layout that makes navigation easier for its customers.

Target Audience

Oceanic Airlines target audience is wealthy individuals who first class service to remote pacific islands not serviced by the major airlines.

Explain the benefits of separating HTML from CSS

(100 words)

It is highly recommended to separate CSS sheets from HTML documents, and there are several reasons. All websites are made with a purpose, which implies that they need to be functional and easy to maintain.

In order to be functional, HTML webpages will need to link to other files, which may be images, cascading style sheets, Javascripts, etc.. Websites usually have a unique colour scheme, so similar themes would apply to each webpage. If you were to embed your CSS inside your HTML documents, there would be heaps of repeated elements in each HTML file, which is completely unnecessary. Repeating these styles comes at a great cost, because it drastically increases the directory's size, and hence, increases the bandwidth of your site, which simply means more time to load your website's content online.

At the start, I also noted that effective websites need to be easy to maintain. If you wanted to update your website's colour scheme, you would need to change every single HTML file's styles. On the other hand, if you create a CSS document shared between all your HTML pages, you will only need to edit there.

Evaluation

(100 words)

- There is no risk involved on my website because it doesn't require the user to fill out anything with their personal information, like logins or signups. Conversely, if there were specific details to submit, then there would be a risk of privacy exploitation and personal information being stolen.

- My website is very sustainable because I have separated my CSS styles from my HTML structure, so if I created more HTML pages in the future, I could link them to the same CSS file.

- One way my website could be improved to provide more functionality for users is to create forms for flight bookings and columns of flight times with destinations. My website has neither of those, so there is plenty of room for improvement for functionality. However, since this is a CSS task assessing my ability to link my scripts to my HTML webpages, I didn't need to create those flight times, destinations, policies, bookings, and payment forms.

Years 9 and 10 Digital Technologies standard elaborations

		A	B	C	D	E
		The folio of a student's work has the following characteristics:				
Knowledge and understanding	**Representation of data**	comprehensive explanation of: • why content data are separated from presentation	detailed explanation of: • why content data are separated from presentation	explanation of: • why content data are separated from presentation	description of: • why content data are separated from presentation	statements about: • why content data are separated from presentation
Processes and production skills	**Generating and designing; producing and**	systematic testing and prediction of results and proficient implementation of digital solutions	reliable testing and prediction of results and effective implementation of digital solutions	testing and prediction of results and implementation of digital solutions	partial testing and prediction of results and partial implementation of digital solutions	fragmented testing and prediction of results or fragmented implementation of digital solutions
	Evaluating	discerning evaluation of information systems and their solutions in terms of risk, sustainability and potential for innovation and enterprise	informed evaluation of information systems and their solutions in terms of risk, sustainability and potential for innovation and enterprise	evaluation of information systems and their solutions in terms of risk, sustainability and potential for innovation and enterprise	explanation of information systems and their solutions	description of information systems and their solutions

Key	shading emphasises the qualities that discriminate between the A–E descriptors

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