ABSTRACT

The following document contains a detailed report of the works carried out by Sydney Meshack. The aim was to develop a webpage applying what was learned in class whilst applying the CRAP principles

C – Contrast: This is the use of contrasting colours to make important elements standout.

R – Repetition: This is repeating design elements to create a cohesive look.

A – Alignment: This is aligning elements to create a clean and organised layout.

P – Proximity: This is grouping related elements to enhance readability.

Introduction

Objective

This report is objectively written to explain how the CRAP principles were applied in the work submitted by Reg No. SCT211-0018/2024

Scope

It covers all the principles as well as the limitations during the project development.

Developed was a simple login page.

Problem Statement

Create a web page of choice implementing what we have learnt in class. Study and

implement the CRAP principles of design in your work. (20 marks)

Problem Analysis

What is expected of the prospective student is to create a web page of their own choosing applying knowledge gained in class as well as implementing the CRAP principles in their respective designs

Application of CRAP principles

1. **Contrast**:

   o Used contrasting colours for different sections. For instance, the background has a slightly dark image while the texts that overlay it are white in colour to ensure visibility

2. **Repetition**:

   o Repeated design elements like headers and footers to create a cohesive look.

   o Consistent font and colour scheme across different sections for a unified appearance.

3. **Alignment**:

   o Centre-aligned text in the header for a neat, organized look.

   o Proper alignment of the main content and navigation links, ensuring a structured layout.

4. **Proximity**:

   o Grouped related elements together, such as services listed within a section element.

   o Used padding and margins to separate different sections, enhancing readability and navigation.

Gains and Difficulties Encountered During the Project

Gains

1. **Enhanced Design Skills**: Implementing the CRAP principles improved my understanding of effective web design, making the website more visually appealing and user-friendly.

2. **Consistency**: Using repetition and alignment ensured a consistent and cohesive look across the website.

3. **Improved User Experience**: Applying contrast and proximity principles helped in organizing content better, making it easier for users to navigate and find information.

Difficulties

1. **Colour Choices**: Finding the right contrast without overdoing it was challenging. Ensuring readability while maintaining an attractive design required careful consideration.

2. **Maintaining Balance**: Balancing the use of repetition without making the design monotonous was a learning curve.

3. **Responsive Design**: Ensuring the design principles were maintained across different devices (desktop, tablet, mobile) added complexity to the project.

4. **Complexity of the Code**: I had to use some tutorials for some of the functionality of the code.