

# **COS10026: Computing Technology Inquiry Project**

## **Assignment 1 Report**

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# Introduction

A **website** serves manifold purposes such as interconnect webpages, providing the information, promoting products and e-commerce, and interacting with the users also. In this COS10026 project 1, we have the opportunities to build a whole website from scratch with HTML and CSS. Our website is mostly a tech-job portal for the user to learn about a company, therefore being able to fill in an application form if interested.

**The object of this report** is to summarize the process of a member when contributing to making a website and some notes on the sections of the website.

**The structure of the website** is distributed into 4 parts:

- [Website content and style](#)
- [Key features](#)
- [My contribution and discussion](#)
- [Summary](#)

## Website content and style

**HTML structure:** There are five pages in our website, including the Homepage (index.html), Jobs (jobs.html), Apply (apply.html), About (about.html), Enhancements (enhancements.html). The webpages are linked by a navigation bar with the menu items listed.

1. Homepage (index.html):

Content: Website logo and navigation menu, the hero-section that gives a brief introduction about our company as well as the hyperlink buttons that lead to other pages and resources.

The footer section is included for the user to employ quick-action when needed.

Purpose: Introduce about our company website.

2. Jobs (jobs.html):

Content: Apart from the fundamental sections as the logo and navigation menu or footer, there are the 4 position description boxes to list the job openings, job description, salary ranges and other information. Additional information, like the link to apply for jobs, was presented by an aside.

Purpose: Provide quick and brief information about the jobs available.

3. Apply:

Content: Apart from the fundamental sections, there is an application form with the formatted and required content. There is also a thank-you section upon the application form.

Purpose: Enable the candidates to apply for the available job openings.

4. About:

**Content:** Apart from the fundamental sections, there are the content boxes that provide group information, members information and our timetable.

**Purpose:** provide information about our project, group and members.

#### 5. Enhancements:

**Content:** Apart from the fundamental sections, there are content boxes to present the enhancements notes like responsiveness, toggle nav-bar and hover buttons.

**Purpose:** note the highlights in utilizing the project website.

**CSS style:** All the pages are styled in the “fluid” flow and share the same main theme. Various functions are applied in different pages. In general:

1. Coloring: we used different shades of blue and also a dark-blue image graphic background to enhance the topic of technology.
2. Font: “Recursive”, sans-serif font is used.
3. Responsiveness: Media queries are applied to all the pages to improve its presentation on different devices like desktops, mobiles and tablet-sized devices.

## Key Features

### 1. Hamburger navigation menu bar

We included the hamburger navigation menu bar, in which there is a toggle button or ‘hamburger icon’. It enhances flexibility for all devices that when the device is mobile-sized or screen width is smaller than 750px, the hamburger navigation menu bar appears for navigation.

The <div> tag and checkbox in HTML is used to structure the 3 lines of a toggle nav-bar. The nav-bar icon styling is done by CSS.

**Function:** When clicked on the icon, in other words, the implemented check-box is checked. The drop-down menu, which fits the device-width, will appear evenly in a column. When re-click on the icon, the drop-down menu will disappear.

### 2. Hover buttons

Hover button is another feature that helps utilize the user experience.

**Function:** when hovering the mouse or clicking on the content, the color of the content, or its font-weight will change.

### 3. Responsiveness

When using different devices, there will be different templates presented. In this function, we made use of flexboxes, media queries,...

**Function:** When screen-width is 1080px, for example there will be 2 member-information boxes of the crew appearing on the same line, however when screen is 750px, each box appears relatively in a column. Or different table layouts are implemented within different screen-width.

## **My contribution and discussion**

On reflection, I self-proclaimed myself as a helpful contributor to the project as my teammate and I both contributed to the project to a good extent. In this project 1, I am responsible for the HTML of the Apply page and the About page, and the CSS design of all pages. During the process, I came up with a few ideas and implemented some functions like the toggle hamburger nav-bar, and the hover buttons design and the responsiveness effect on the webpages.

During the process of making this website, the biggest challenge was making the website displayed in an evenly justified, harmonious and responsive template as it is the main attraction to hold the user when browsing the website and improve the user experience.

Our teamwork during the process is well-recognized when we collaborate quite well to discuss and give feedback on the mark-ups and styling. I am grateful for my teammate's efforts and hope they also see mine.

## **Summary**

The website consists of five pages with a consistent structure including homepage, apply, jobs, about and enhancements. It features a technology-themed design with shades of blue, a responsive layout using media queries with a hamburger navigation menu for smaller screens, hover buttons, and hyperlinks for navigation. The website mainly aims to provide a seamless user experience across devices.