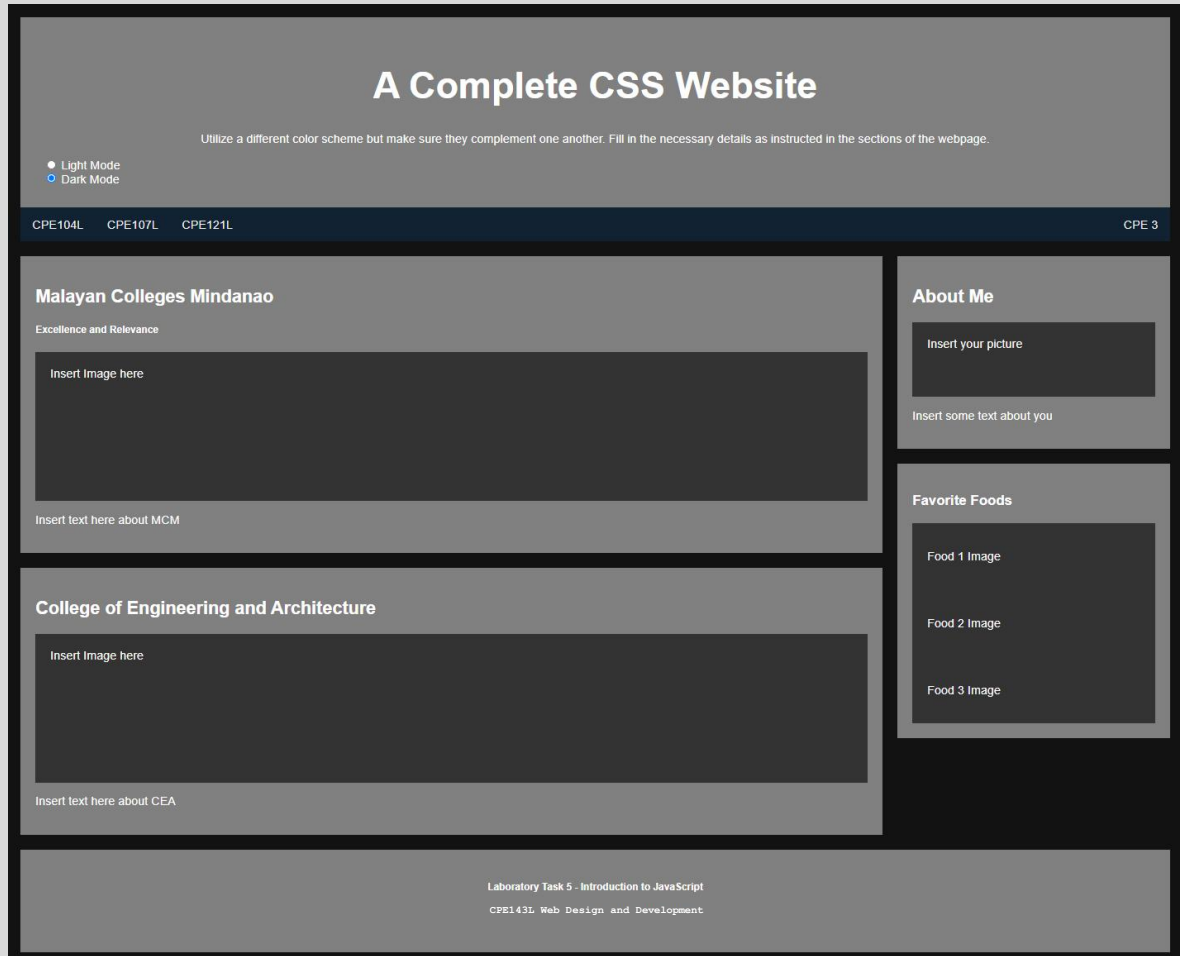


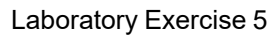
| | | | |
|-----------------|-----------------------|-----------------|----------------|
| Name: | Ralph Edcel R. Fabian | Date: | 09 - 10 - 2023 |
| Program: | BS CPE | Section: | A361 |

Intended Learning Outcomes:

1. Create output with JavaScript.
2. Utilize JavaScript variables and data types.

Using your output from Laboratory Task 4, include a button/check box/radio button/toggle switch that will change your website into **DARK MODE**. Here is an example output:





</div>

</body>

<footer class = "f1">

<p>
Laboratory Task 4 - Advance CSS Styling</p>

<p>CPE107L Software Design Laboratory</p>

</footer>

<footer class = "f2">

<p>Copyright 2023 | Mapúa Malayan College Mindanao | All Rights Reserved</p>

</footer>

<script src="darkmode.js"></script>

</html>

CSS Source Code:

```
*{
  margin: 0;
  padding: 0;
}

body{
  background-color:white;
}

header {
  text-align: center;
  background-color: #114b9f;
  color: aliceblue;
  padding-bottom: 5px;
}

.h1header{
  font-size: 400%;
  color:  aliceblue;
}

body {
  width: 100%;
  margin: auto;
  font-family: Arial, sans-serif;
  justify-content: center;
  flex-direction: column;
  margin-bottom: 0;
}

h1{
  color: darkblue;
  font-size: 180%;
}

.navbar {
  background-color: #e50019;
  color: white;
  display: flex;
  justify-content: space-between;
  padding: 10px;
}

.navbar a {
  color: white;
  text-decoration: none;
  margin-right: 15px;
  font-weight: bold;
}

.navbar-left {
  display: flex;
  align-items: center;
}

.navbar-right {
  display: flex;
  align-items: center;
}

.main-container {
  display: flex;
  min-height : 800px;
  margin: auto;
```

```
width:1500px;
}

.box {
  background-color:aliceblue;
  border: 1px solid #cccccc;
  padding: 20px;
  margin: 10px;
  box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
  text-align: justify;
}

.left-section {
  flex: 3;
  padding: 10px;
}

.right-section {
  flex: 1;
  padding: 10px;
}

footer{
  text-align: center;
}

.right-section img {
  width: 100%;
  height: 250 px;
  max-height: 250px;
}

.left-section img {
  width: 100%;
  height: auto;
  max-height: 500px;
}

summary{
  font-size: 110%;
}

h2{
  text-align: center;
}

h5{
  text-align: center;
  font-weight: normal;
  font-size: 115%;
}

footer{
  width: 100%;
  margin: 0px;
  padding: 0px;
}

.fl{
  background-color: grey;
  height: 70px;
  text-align: center;
  color: white;
  font-size: large;
}
```

```
padding-bottom: 20px;

}

.f2{
  background-color: black;
  margin:0px;
  padding-bottom: 10px;
  color:white;
  font-size: smaller;
}
details{
  margin:10px;
}

.dark-mode {
  background-color: #333;
  color: #fff;
}

.dark-mode .box {
  background-color: #777;
}

#darkModeToggle {
  position: fixed;
  top: 20px;
  right: 20px;
  background-color: #333;
  color: #fff;
  padding: 10px 20px;
  border: none;
  border-radius: 5px;
  cursor: pointer;
  z-index: 999;
}

#darkModeToggle:hover {
  background-color: #555;
}
```

JavaScript Source Code:

```
const darkModeToggle = document.getElementById("darkModeToggle");
const body = document.body;
const boxes = document.querySelectorAll(".box");

const isDarkMode = localStorage.getItem("darkMode") === "enabled";

function enableDarkMode() {
  body.classList.add("dark-mode");
  localStorage.setItem("darkMode", "enabled");

  boxes.forEach(box => {
    box.classList.add("dark-mode");
  });

  darkModeToggle.textContent = "Light Mode";
}

function disableDarkMode() {
  body.classList.remove("dark-mode");
  localStorage.setItem("darkMode", "disabled");

  boxes.forEach(box => {
    box.classList.remove("dark-mode");
  });

  darkModeToggle.textContent = "Dark Mode";
}

if (isDarkMode) {
  enableDarkMode();
}

darkModeToggle.addEventListener("click", () => {
  if (body.classList.contains("dark-mode")) {
    disableDarkMode();
  } else {
    enableDarkMode();
  }
});
```


Output:

A Complete CSS Website

by RALPH EDCEL R. FABIAN | 08 - 22 - 2023

CPE107 CPE107L CPE143L CPE 3

Mapúa Malayan Colleges Mindanao.

Excellence and Relevance



Vision

Mapúa Malayan Colleges Mindanao shall be a school of global standards and of great significance locally and beyond

Mission

The institute shall provide a learning environment in order for its students to acquire the attributes that will make them globally competitive & locally in-demand.

The institute shall engage in cutting edge and economically viable research, development and innovation that is relevant locally and beyond.

The institute shall provide state-of-the-art solutions to problems of industries and communities locally and beyond.

About Me



▼ Info

Age: 21
Birthday: July 30, 2002
Zodiac Sign: Leo
Height: 182 cm
Weight: 90 kg
Motto in life: "Be Distressed or Be Empowered"
Tag: Weeb

▼ Present

Currently I am a third year BS CPE Student in Mapua Malayan Colleges Mindanao.

▼ Childhood

I am born in Cotabato City and have No permanent Address. I lived in Cotabato and Siquijor before settling in Lebak

▼ Elementary

I am very keen to studying. I'm like the typical minecraft kid spokening dollar. I am very fat during this time and mostly get all of the awards. Luckily, I am able to transition to a versatile person during my highschool days.

▼ Highschool

I am a minmax major. I do minimum effort in everything but luckily get the highest grades. I am addicted to all trendy computer games and engaged in a lot sports

College of Engineering and Architecture



College of Engineering and Architecture (CEA) transforms its graduates to become globally competitive, innovative leaders, socially responsible and result-oriented engineers and architects. MapúaMCM-CEA commits to educate students imbued with good moral and ethical values while engaging economically viable research and innovation that is relevant locally and beyond.

At CEA, students are primed and supervised by their adept mentors equipping students with profound knowledge and excellent skill-set through outcomes-based curricula in order for the students to have access to personalized learning allowing them to perform their best and achieve their academic and personal goals meeting local and global standards.

This kind of learning environment will upskill students to find state of the art solutions to the most challenging technological and socio-technological issues of different industries.

Favorite Foods

Adobo



Chicken Curry



Spaghetti



Laboratory Task 4 - Advance CSS Styling
CPE107L Software Design Laboratory

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CPE143L Web Design and Development (Laboratory)
College of Engineering and Architecture

Page | 9

A Complete CSS Website

Dark Mode

by RALPH EDCEL R. FABIAN | 08 - 22 - 2023

CPE107 CPE107L CPE143L

CPE 3

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Findings and Observations:

In the guided experiment, I learned how to utilize JavaScript to make our website interactive. This experience introduced me to the power of JavaScript in manipulating the Document Object Model (DOM) and its ability to create interactive features, such as the dark mode toggle. While I had a background in object-oriented programming (OOP), learning JavaScript commands from scratch was a bit challenging. However, I found the concept intriguing and discovered how JavaScript can dynamically affect CSS properties to enhance website interactivity.

I eventually solved the coding exercise after dedicating approximately 5 hours to it. The primary difficulty I encountered was the initial learning curve for JavaScript commands, as I was relatively new to the language. Nevertheless, with perseverance and reference materials, I overcame this obstacle.

In conclusion, this exercise not only taught me practical JavaScript application in web development but also highlighted its potential to create dynamic and engaging websites through interactive features.