

Web Design and Development

4COSC011W

Report

Author: Thishakya Wickramasinghearachchi
Student ID: 20231691 / w2051952

Tutorial Group Number: 06
Group Name: Protect
Student Role: 01

Link(s) to Website
URL:
[home.html](#)

Contents

1. Introduction.....	3
1.1. Team Members and Task Allocation.....	3
1.2. Website topic/theme	4
1.3. Contribution	5
2. Technical Discussion	6
2.1. Implementation.....	6
3. Janet	9
4. Self Reflection	10
References	12
Appendices.....	13
Appendix A: Code	13
Appendix B: Screenshots	44
Appendix C: Screenshots - Webpage Validation Evidence	48
Appendix D: Task Completion Checklist	48

1. Introduction

1.1. Team Members and Task Allocation

Team members:

1. Student 1: Thishakya Wickramasinghearachchi
2. Student 2: Thisen Dissanayake
3. Student 3: Sehansa Seneviratne
4. Student 4: Pehansa Dharmapala

Task Allocation:

Student 1:

- Splash Screen
- Shop

Student 2:

- Home Page
- Feedback form

Student 3:

- User Profile
- Team

Student 4:

- Site Map
- Gallery

All the students:

- Content Page
- Page Editor

1.2. Website topic/theme

Our website, named "Protect", is dedicated to promoting the 13th Sustainable Development Goal (SDG) - "Climate Action". This SDG focuses on three key areas: Mitigation, Adaptation, and Education and Awareness. Our primary objective is to focus on the third area, which is to raise awareness about the urgent global issue of climate change. We strive to educate our users on this issue and provide them with sustainable and eco-friendly merchandise products.

Shown below is how various pages are designed to address this issue of climate change.

Home Page & Splash Screen:

- Allows the user to understand the mission of our website. Our mission is to combat climate change by equipping individuals with the knowledge and understanding to take action.

Shop:

- Allows customers to purchase merchandise that is designed in an environmentally friendly manner, hence promoting sustainability.

Gallery:

- It aims to educate the customers about the current status of climate change and why climate action needs to be urgently taken.

1.3. Contribution

Group Coursework Meetings (minimum 5 meetings, e.g., one per week)		
1	Date & Time	21/02/2024
	Objective:	Deciding on the theme and topic for the website
	Attended:	Yes
	Your Contribution:	Having discussed with everybody, we concluded that we need to focus on climate change since it is serious global issue.
2	Date & Time:	02/03/2024
	Objective:	Identifying the student roles
	Attended:	Yes
	Your Contribution:	Decided to choose student 1
3	Date & Time:	13/03/2024
	Objective:	Planning out how to get started with respective roles
	Attended:	Yes
	Your Contribution:	Discussed about what products are to be sold and the cart system implementation.
4	Date & Time:	19/03/2024
	Objective:	Progress of the respective roles
	Attended:	Yes
	Your Contribution:	Completed the splash screen
5	Date & Time:	25/03/2024
	Objective:	Progress of the respective roles
	Attended:	Yes
	Your Contribution:	Completed the main parts of the shop
6	Date & Time:	03/03/2024
	Objective:	Bug fixing and linking all the roles to create the website
	Attended:	Yes
	Your Contribution:	Linked the relevant pages together

Table 1: A system for recording group meetings, attendance, output, actions

2. Technical Discussion

2.1. Implementation

As student 1, my primary responsibility is to create the splash screen and the shop using HTML, CSS, and JS codes as per the coursework specifications. During the design process, several challenges were faced, enabling me to learn new areas of web development, which broadened my overall knowledge on the subject.

Mentioned below is a description of the components I have designed, which provides a basic understanding of my role.

Splash Screen: This web page contains information about the team members and the website's mission. It lasts only for four seconds and is then redirected to the home page.

Shop: This showcases the merchandise sold in the online shop, allowing the users to add products to a cart, which is then used to show the total price and checkout from the website after making the payments.

Now that there's a basic overview of my student role, let's dive into the detailed HTML, CSS and JS elements used in my web pages.

Splash Screen:

The purpose of the splash screen is to provide a quick view of the website's purpose. Attention is paid to the clarity and simplicity of the page. Therefore, it is styled with a larger font size. Also, since it's the first thing the user views, it has been made attractive with an eye-catching background image. In order to print the team members' details clearly, unordered lists tag `` have been used.

Since, this page is redirected to the home page, a gif of a loading icon is added under a `` tag indicating another web page is loading.

As specified in the coursework specification, the splash screen is supposed to last only for four seconds, and therefore, it is implemented through JavaScript using the `setTimeout()` function.

Shop:

At first, the user can see a display of all the merchandise that is sold in the shop. All the products are displayed with the name and details. In order to display the products, first a default class is created in the HTML file. Then, an object file containing the details of all the products is called to replace the default class.

```
//Fetches the information of all the products objects and displays it in the shop
let products=null;
fetch('product.json')
.then(response=>response.json())
.then(data=>{
    products=data;
    addDataToHTML();
})
```

```

function addDataToHTML(){
    let productdetailsHTML=document.querySelector('.productdetails');
    productdetailsHTML.innerHTML='';

    if(products!=null){
        products.forEach(product => {
            let newProduct=document.createElement('div');
            newProduct.classList.add('item');
            newProduct.innerHTML=`
<h2>${product.name}</h2>
<div class="price">${product.price}</div>
<button onclick="addCart(${product.id})">Add to Cart</button>`;
            productdetailsHTML.appendChild(newProduct);
        });
    }
}

```

As the user hovers over the products, an “Add to cart” button is displayed. Items can be added to the cart by clicking this button. The cart icon displayed on the top right part of the web page can be clicked to view the cart. In order to do this, the `translateX()`method has been utilised in JS.

In the cart, buttons that are coded using a switch case in JS is used to change the quantity of the items added to the cart.

```

//Allows to change the quantity of the products bought with the use of a switch
case

function changequantity($idProduct, $type) {
    switch ($type) {
        case '+':
            cartdetails[$idProduct].quantity++;
            break;
        case '-':
            cartdetails[$idProduct].quantity--;
            if (cartdetails[$idProduct].quantity <= 0) {
                delete cartdetails[$idProduct];
            }
            break;

        default:
            break;
    }
}

```

Finally, a checkout form is displayed once the user clicks on checkout button in the

cart. This makes use of the <form> tag. This allows the customer to provide necessary details and make the payment for the items bought. The card details are validated where automatic credit card filling is disabled if the user doesn't have a secure internet connection. If the transaction is successful the user is informed and then redirected back to the home page.

Linking the Navigation Bar:

The navigation bar designed by student 2 is then added to all the pages. Therefore, the necessary code snippets were added to my shop's HTML and CSS.

Content Page:

The content page has been used to provide a basic idea of the theme of the website. Here, I have provided the user with an idea of what climate change is and how our website aims to fulfil climate action. It makes use of simple HTML and CSS components, providing a clear idea of our aim. In addition, to make the web page more interactive, a video has been added using the <video> tag.

Page Editor:

The Page Editor is a tool that is used to link all the work done by Student 1. It provides a brief detail relevant to the web pages designed by Student 1 and the link to each web page using an <a> tag. As mentioned in the specification, all the links are opened in a new tab by using the target="_blank" attribute.

Challenges :

Developing this website presented us with a complex challenge: crafting an appealing, user-friendly interface that operates seamlessly on a technical level. Throughout the project, we encountered instances where a visually pleasing component did not align with the code supporting it. As a result, we had to employ creative problem-solving techniques to uphold both the website's appearance and performance.

Having worked primarily with HTML, transitioning to JavaScript was a significant challenge that required a mental shift. HTML is all about defining the page's structure and content, whereas JavaScript adds dynamism and interactivity to that structure. Bridging this gap and leveraging the combined power of these two was a daunting task, and required significant effort to master.

In conclusion, the creation of a website is a complex task that requires a combination of critical thinking, technical expertise, and artistic creativity. Although the process poses various challenges, the immense satisfaction that comes with successfully guiding a user through a well-designed and fully functional website makes the journey undeniably worthwhile. The website itself becomes a symbol of the developer's problem-solving skills and a testament to their commitment to providing users with an exceptional online experience.

3. Janet

This website was created solely to fulfil the requirements for coursework specifications for the University of Westminster undergraduate module 4COSC011W. The goal was achieved successfully.

The following are some Janet regulations followed by our website:

- Do not share any offensive or obscene material.
- Do not create or share any content that is threatening.
- Does not allow any content of a libellous nature.
- Does perform any illegal disruptive activity.
- Do not promote the transmission of unsolicited commercial or advertising material or similar activities (spamming).

We follow the aforementioned regulations to ensure the user's privacy and a secure shopping experience, prioritising transparency.

4. Self Reflection

Teamwork Experience:

Collaborating with team members can be highly advantageous in several ways. By working as a team, we can draw on a diverse range of ideas and knowledge, ultimately contributing to the achievement of shared aims. Moreover, teamwork can foster a sense of community and purpose, inspiring and motivating us to work towards common goals. By dividing tasks based on individual strengths and capabilities, we can effectively allocate resources and optimize time management, leading to increased productivity. However, it was challenging to schedule meetings, ensure everyone contributed efficiently, and meet deadlines.

Insights from Teamwork:

I learned the importance of each student's role. I understood how each student's role must be matched according to the strengths and weaknesses of each member so that the task is completed efficiently. I also realised the importance of planning (of meetings, etc) for time management in order to meet deadlines effectively.

Skills gained from the project:

It provided me with a wide range of technical knowledge in HTML,CSS and JS, where I learned many new areas and broadened my existing knowledge on web development. I also improved my leadership skills and teamwork skills, adding to my soft skills.

Strengths gained from the project:

My strengths lie in communication, delegation, and conflict resolution, which were instrumental in fostering effective teamwork. I also find myself handling the pressure of meeting deadlines and keeping all the team members on track.

Weaknesses emerged whilst undertaking the project:

I need to work on improving my time management skills to ensure I consistently meet deadlines. I also acknowledge that my motivation can wane on complex projects and therefore, I must work on developing strategies like finding simpler approaches to stay engaged with challenging tasks.

How I would do things better if I were to undertake the project again:

If I were to retake this project, I would better analyse each task and set realistic goals in order to meet deadlines. I would also research more on technical aspects of the coursework in order to understand certain concepts easily.

References

- Geeks for Geeks, 2024. *Geeks for Geeks*. [Online] Available at: <https://www.geeksforgeeks.org/html-colors/?ref=lbp> [Accessed 4th March 2024]
- Geeks for Geeks, 2023. *Geeks for Geeks*. [Online] Available at: <https://www.geeksforgeeks.org/css-max-width-property/?ref=lbp> [Accessed 10th March 2024]
- Geeks for Geeks, 2024. *Geeks for Geeks*. [Online] Available at: <https://www.geeksforgeeks.org/javascript-basic-syntax/?ref=lbp> [Accessed 17th March 2024]
- w3schools,
Available at: https://www.w3schools.com/html/html5_video.asp
[Accessed 31st March 2024]
- w3schools,
Available at: https://www.w3schools.com/cssref/sel_hover.php
[Accessed 21st March 2024]
- w3schools,
Available at: https://www.w3schools.com/js/js_switch.asp

Appendices

Appendix A: Code

Filename: splash.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Splash Screen</title>
    <style>
        body {
            font-family: "Gill Sans", sans-serif;
            font-size: 30px;
            margin: 20px 20px;
            padding: 0;
            background-image: url(bgimage.jpeg);
            background-size: cover;
            height: 100%;
            width: 100%;
            background-position: center;
            background-repeat: no-repeat;
        }
        h1{
            font-family:"Gill Sans", sans-serif;
            font-size: 100px;
            color: white;
        }
        h2{
            font-family: serif;
            font-size: 60px;
            color: white;
        }
        ul{
            font-family: "Gill Sans", sans-serif;
            font-size: 40px;
            color: white;
        }
        .main{
            display: flex;
            flex-direction: column;
            align-items: center;
            justify-content: center;
            height: 100vh;
        }
    </style>
</head>
<body>
    <h1>Welcome to my website!</h1>
    <h2>This is a Splash Screen.</h2>
    <ul>
        <li>Link 1</li>
        <li>Link 2</li>
        <li>Link 3</li>
    </ul>
</body>
</html>
```

```

        color: white;
    }

    .gif{
        width: 110px;
        float: right;
    }


```

</style>

</head>

<body>

<div class="main">

<h1>CLIMATE ACTION</h1>

<div>

<h2>GROUP MEMBERS: </h2>

<p>Mission:

We aim at raising awareness about the urgent global issue of climate change.

We strive to educate our users on this issue and provide them with sustainable and eco-friendly merchandise products.</p>

Thishakya Wickramasinghearachchi

Pehansa Dharmapala

Thisen Dissanayake

Sehanasa Senevirathne

</div>

</div>

<script>

setTimeout(function() {

window.location.href = "home.html";

}, 4000);

</script>

</body>

</html>

Filename: shop.html

```

<!DOCTYPE html>
<html>
<head>
    <meta charset='utf-8'>
    <meta http-equiv='X-UA-Compatible' content='IE=edge'>
    <title>Climate Action Shop</title>
    <meta name='viewport' content='width=device-width, initial-scale=1'>
    <link rel='stylesheet' type='text/css' media='screen' href='shop.css'>
    <link href='https://fonts.googleapis.com/css?family=Poppins' rel='stylesheet'>
    <style>
        body{

```

```

        background-color: #D1C7B7;
        color: #fff;
        font-family: 'Poppins';
        font-weight: bold;
    }

</style>
</head>

<body>
    <!--Displays the cart icon on the top right of the page-->
    <div class="header1">
        <header class="header" id="header">
            <nav class="nav container">
                <a href="splashscreen.html"></a>
                <div class="nav_menu" id="nav-menu">
                    <ul class="nav_list">
                        <li class="nav_item">
                            <a href="home.html" class="nav_link">Home</a>
                        </li>
                        <li class="nav_item">
                            <a href="#about" class="nav_link">About</a>
                        </li>
                        <li class="nav_item">
                            <a href="#portfolio" class="nav_link">Profile</a>
                        </li>
                        <li class="nav_item">
                            <a href="climateshop.html" class="nav_link">Shop</a>
                        </li>
                        <li class="nav_item">
                            <a href="gallery.html" class="nav_link">Gallery</a>
                        </li>
                        <li class="nav_item">
                            <a href="feedback.html" class="nav_link">Rate us</a>
                        </li>
                    </ul>
                    <div class="nav_close" id="nav-close">
                        <i class="ri-close-line"></i>
                    </div>
                </div>
                <div class="nav_toggle" id="nav-toggle">
                    <i class="ri-menu-fill"></i>
                </div>
            </nav>
        </header>
        <header class="subheader">
            <h1>SHOP</h1>
            <div class="carticon">
                

```

```

        <div class="totalquantity">0</div>
    </div>
</header>

        <!--This prints the image and details of the products displayed in the shop-->
<div class="productdetails">
    <div class="item">
        
        <h2>Classic Black Printed T Shirt</h2>
        <div class="price">$10</div>
        <button>Add to Cart</button>
    </div>
</div>

        <!--Displays the items added to cart once the cart icon is clicked-->
</div>
<footer class="footer">
    <div class="footer_container container grid">
        <div class="footer_content grid">
            <div>
                <a href="#" class="footer_logo"></a>

                <p class="footer_description">
                    Get to know the imopratance of the nature <br> and keep it safe.
                </p>
            </div>
            <div class="footer_data grid">
                <div>
                    <h3 class="footer_title">About</h3>
                    <ul class="footer_links">
                        <li>
                            <a href="#" class="footer_link">Portfolio</a>
                        </li>
                        <li>
                            <a href="sItemap.html" class="footer_link">Site Map</a>
                        </li>
                        <li>
                            <a href="https://sdgs.un.org/news" class="footer_link">News & Blog</a>
                        </li>
                    </ul>
                </div>

                <div>
                    <h3 class="footer_title">Contact</h3>
                    <ul class="footer_links">
                        <li>
                            <a href="#" class="footer_link">Contact us</a>
                        </li>
                    </ul>
                </div>
            </div>
        </div>
    </div>
</footer>

```

```
</ul>
</div>

<div>
    <h3 class="footer_title">Support</h3>
    <ul class="footer_links">
        <li>
            <a href="#" class="footer_link">Privacy & Policy</a>
        </li>
        <li>
            <a href="#" class="footer_link">Terms and Services</a>
        </li>
    </ul>
</div>

</div>
</div>
<div class="footer_group">
    <div class="footer_social">
        <a href="https://www.facebook.com/" target="_blank" class="footer_social-link">
            <i class="ri-facebook-line"></i>
        </a>
        <a href="https://www.instagram.com/" target="_blank" class="footer_social-link">
            <i class="ri-instagram-line"></i>
        </a>
        <a href="https://twitter.com/" target="_blank" class="footer_social-link">
            <i class="ri-twitter-line"></i>
        </a>
        <a href="https://www.youtube.com/" target="_blank" class="footer_social-link">
            <i class="ri-youtube-line"></i>
        </a>
    </div>
    <span class="footer_copy">
        Copyright © 2024 – Climate Action – All Rights Reserved.
    </span>
</div>
</div>
</footer>
<div class="cart">
    <h2>CART</h2>
    <div class="cartdetails">
        <div class="item">
            
            <div class="details">
                <div class="name">
                    Product Name
                </div>
            </div>
        </div>
    </div>
</div>
```

```

        <div class="price">
            $10 / product
        </div>
    </div>
    <div class="quantity">
        <!--Allows to add more or reduce quantity of the product bought-->
        <button>-</button>
        <span class="value">3</span>
        <button>+</button>
    </div>

    </div>
</div>

<!--Buttons that allow to either close the cart or proceed to the checkout form-->

<div class="buttons">
    <div class="close">CLOSE</div>
    <div class="checkout">
        <a href="checkout.html">CHECKOUT</a>
    </div>
</div>
</div>
<!--JS file-->
<script src='shop.js'></script>
</body>
</html>

```

Filename: shop.css

```

body{
    font-family: "Dosis", sans-serif;
    font-family: 'Poppins';
    overflow-x: hidden;
    font-size: 15px;
}

.containers {
    max-width: 800px;
    margin: 2cm auto 20px;
    padding: 20px;
    background-color: #fff;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    border-radius: 5px;
}

h2 {
    margin-bottom: 20px;
}

```

```
p {
    margin-bottom: 20px;
}

:root {
    --header-height: 3.5rem;

    --title-color: hsl(0, 0%, 95%);
    --text-color: hsl(0, 0%, 70%);
    --text-color-light: hsl(0, 0%, 60%);
    --body-color: #5d4954;
    --container-color: hsl(0, 0%, 8%);

    /* Font Family Variables */
    --body-font: "Poppins", sans-serif;
    --second-font: "Montserrat", sans-serif;

    /* Font Size Variables */
    --biggest-font-size: 2.75rem;
    --h1-font-size: 1.5rem;
    --h2-font-size: 1.25rem;
    --h3-font-size: 1rem;
    --normal-font-size: 0.938rem;
    --small-font-size: 0.813rem;
    --smaller-font-size: 0.75rem;

    /* Font Weight Variables */
    --font-regular: 400;
    --font-medium: 500;
    --font-semi-bold: 600;

    --z-tooltip: 10;
    --z-fixed: 100;
}

@media screen and (min-width: 1152px) {
    :root {
        --biggest-font-size: 5.5rem;
        --h1-font-size: 2.5rem;
        --h2-font-size: 1.5rem;
        --h3-font-size: 1.25rem;
        --normal-font-size: 1rem;
        --small-font-size: 0.875rem;
        --smaller-font-size: 0.813rem;
    }
}

ul {
    list-style: none;
}
```

```
a {
    text-decoration: none;
}

.container {
    max-width: 1120px;
    margin-inline: 1.5rem;
}

.grid {
    display: grid;
}

/*header & nav*/
.header {
    position: fixed;
    width: 100%;
    background-color: #5d4954;
    top: 0;
    left: 0;
    z-index: var(--z-fixed);
}

.nav {
    height: var(--header-height);
    display: flex;
    justify-content: space-between;
    align-items: center;
    width: 100%;
}

.nav_logo {
    color: var(--title-color);
    font-family: var(--second-font);
    font-weight: var(--font-semi-bold);
}

.nav_toggle,
.nav_close {
    display: flex;
    font-size: 1.25rem;
    color: var(--title-color);
    cursor: pointer;
}

@media screen and (max-width: 1023px) {
    .nav_menu {
```

```
position: fixed;
top: -100%;
left: 0;
background-color: hsla(0, 0%, 0%, .3);
width: 100%;
padding-block: 5rem;
backdrop-filter: blur(25px);
-webkit-backdrop-filter: blur(25px);
transition: top .5s;
}

}

.nav_list {
    text-align: center;
    display: flex;
    flex-direction: column;
    row-gap: 2.6rem;
}

.nav_link {
    position: relative;
    color: var(--title-color);
    font-family: var(--second-font);
    font-weight: var(--font-medium);
}

.nav_link::after {
    content: '';
    width: 0;
    height: 3px;
    background-color: var(--title-color);
    position: absolute;
    left: 0;
    bottom: -.6rem;
    transition: width .4s;
}

.nav_link:hover::after {
    width: 72%;
}

.nav_close {
    position: absolute;
    top: 1rem;
    right: 1.52rem;
}

.nav_img {
    width: 80px;
}

.show-menu {
```

```
    top: 0;
}

.blur-header::after {
  content: '';
  position: absolute;
  width: 1000%;
  height: 100%;
  background-color: hsla(0, 0%, 0%, .3);
  backdrop-filter: blur(25px);
  -webkit-backdrop-filter: blur(25px);
  top: 0;
  left: 0;
  z-index: -1;
}

.active-link::after {
  width: 70%;
}

/* CSS for footer section*/
.footer {
  padding-block: 2.6rem;
  background-color: #5d4954;

}

.footer_content {
  row-gap: 3.5rem;
}

.footer_logo {
  display: inline-block;
  color: var(--title-color);
  font-size: var(--h2-font-size);
  font-family: var(--second-font);
  font-weight: var(--font-semi-bold);
  margin-bottom: 1.2rem;
}

.footer_data {
  grid-template-columns: repeat(2, max-content);
  gap: 2.6rem 3.6rem;
}

.footer_title {
  font-size: var(--h3-font-size);
  margin-bottom: 1.2rem;
}

.footer_links {
```

```
display: grid;
row-gap: .76rem;
}

.footer_link {
  color: var(--title-color);
}

.footer_group,
.footer_social {
  display: flex;
}

.footer_group {
  margin-top: 5.2rem;
  flex-direction: column;
  align-items: center;
  row-gap: 2.1rem;
}

.footer_social {
  column-gap: 1.6rem;
}

.footer_social-link {
  color: var(--text-color);
  font-size: 1.26rem;
  transition: color .5s, transform .5s;
}

.footer_social-link:hover {
  color: var(--title-color);
  transform: translateY(-.26rem);
}

.footer_copy {
  font-size: var(--smaller-font-size);
  color: var(--text-color-light);
  text-align: center;
}

/* CSS for scroll bar */
::-webkit-scrollbar {
  width: .7rem;
  border-radius: .6rem;
  background-color: hsl(0, 0%, 10%);
}

::-webkit-scrollbar-thumb {
  border-radius: .6rem;
  background-color: hsl(0, 0%, 20%);
```

```
}

::--webkit-scrollbar-thumb:hover {
    background-color: hsl(0, 0%, 30%);
}

.scrollup {
    position: fixed;
    right: 1.2rem;
    bottom: 3.2rem;
    padding: 7px;
    display: inline-block;
    background-color: hsla(0, 0%, 100%, .1);
    color: var(--title-color);
    font-size: 1.3rem;
    z-index: var(--z-tooltip);
    transition: bottom .5s, transform .5s;
    backdrop-filter: blur(25px);
    -webkit-backdrop-filter: blur(25px);
}

.scrollup:hover {
    transform: translateY(-.26rem);
}

.show-scroll {
    bottom: 4rem;
}

@media screen and (max-width: 342px) {
    .container {
        margin-inline: 1.2rem;
    }

    .footer_data {
        grid-template-columns: max-content;
    }
}

@media screen and (min-width: 578px) {

    .footer_data {
        grid-template-columns: repeat(3, max-content);
    }
}

@media screen and (min-width: 770px) {

    .footer_content {
        grid-template-columns: repeat(2, max-content);
        justify-content: space-between;
    }
}
```

```
}

.footer_group {
    flex-direction: row;
    justify-content: space-between;
}

.footer_copy {
    order: -1;
}
}

@media screen and (min-width: 1025px) {

    .nav_close,
    .nav_toggle {
        display: none;
    }

    .nav_list {
        flex-direction: row;
        column-gap: 5rem;
    }

    .footer_data {
        grid-template-columns: repeat(4, max-content);
        column-gap: 4.62rem;
    }
}

@media screen and (min-width: 1154px) {
    .container {
        margin-inline: auto;
    }

    .section {
        padding-block: 8rem 3rem;
    }

    .nav {
        height: calc(--header-height) + 1.52rem;
    }

    .blur-header::after {
        backdrop-filter: blur(25px);
        -webkit-backdrop-filter: blur(25px);
    }

    .footer {
        padding-block: 6rem 4rem;
    }
}
```

```
.footer_title {  
    margin-bottom: 1.6rem;  
}  
  
.footer_group {  
    margin-top: 7.2rem;  
}  
  
.footer_social {  
    column-gap: 3.2rem;  
}  
  
.footer_social-link {  
    font-size: 1.6rem;  
}  
  
.scrollup {  
    right: 3.2rem;  
}  
}  
a{  
    text-decoration: none;  
}  
.header{  
    width: 1200px;  
    margin: auto;  
    max-width: 90%;  
    transition: transform 1s;  
}  
header img{  
    width: 60px;  
}  
header{  
    display: flex;  
    align-items: center;  
    justify-content: space-between;  
}  
h1{  
    padding: 50px;  
}  
.subheader .carticon{  
    position: relative;  
    z-index: 1;  
}  
.subheader .totalquantity{  
    position: absolute;  
    top: 0;  
    right: 0;  
    font-size: x-large;  
    background-color: #000;
```

```
width: 40px;
height: 40px;
border-radius: 50%;
color: #fff;
font-weight: bold;
display: flex;
justify-content: center;
align-items: center;
transform: translateX(20px);
}

.productdetails{
    display: grid;
    grid-template-columns: repeat(3, 1fr);
    gap: 20px;
}

.productdetails.item img{
    width: 270px;
    height: 270px;
}

.productdetails .item h2{
    font-weight: 700;
    font-size: x-large;
}

.productdetails .item .price{
    font-size: x-large;
}

.productdetails .item{
    position: relative;
}

.productdetails .item button{
    position: absolute;
    top: 50%;
    left: 50%;
    background-color: #e6572c;
    color: #fff;
    width: 50px;
    border: none;
    padding: 20px 30px;
    box-shadow: 0 10px 50px #000;
    cursor: pointer;
    transform: translateX(-50%) translateY(100px);
    opacity: 0;
}

.productdetails .item:hover button{
    transition: 0.5s;
    opacity: 1;
    transform: translateX(-50%);
}

.cart{
```

```
color: #fff;
position: fixed;
top: 0;
right: -100%;
width: 400px;
height: 100vh;
background-color: #0e0f11;
display: grid;
grid-template-rows: 40px 1fr 40px;
gap: 20px;
transition: right 1s;
}

.cart h2{
    color: #fff;
    padding: 20px;
    margin: 0;
}

.cart .cartdetails .item{
    display: grid;
    grid-template-columns: 50px 1fr 70px;
    align-items: center;
    gap: 20px;
    margin-bottom: 20px;
}

.cart .cartdetails img{
    width: 100%;
    height: 70px;
    object-fit: cover;
    border-radius: 10px;
}

.cart .cartdetails .item .name{
    font-weight: bold;
}

.cart .cartdetails .item .quantity{
    display: flex;
    justify-content: end;
    align-items: center;
}

.cart .cartdetails .item span{
    display: block;
    width: 50px;
    text-align: center;
}

.cart .cartdetails{
    padding: 20px;
    overflow: auto;
}

.cart .cartdetails::-webkit-scrollbar{
    width: 0;
}

.cart .buttons{
```

```
display: grid;
grid-template-columns: repeat(2, 1fr);
text-align: center;
}
.cart .buttons div{
background-color: #000;
display: flex;
justify-content: center;
align-items: center;
font-weight: bold;
cursor: pointer;
}
.cart .buttons a{
color: #fff;
}
.cart .buttons .checkout{
background-color: #9F8C76;

}
.Layout{
display: grid;
grid-template-columns: repeat(2, 1fr);
gap: 50px;
padding: 20px;
}
.Layout .right{
background-color: #9F8C76;
border-radius: 20px;
padding: 40px;
color: #fff;
}
.Layout.list img{
height: 70px;
}
.Layout .right .form{
display: grid;
grid-template-columns: repeat(2, 1fr);
gap: 20px;
border-bottom: 1px solid #faf0e6;
padding-bottom: 20px;
}
.Layout .form .group:nth-child(-n+3){
grid-column-start: 1;
grid-column-end: 3;
}
.Layout .form input,
.Layout .form select{
width: 100%;
padding: 10px 20px;
box-sizing: border-box;
border-radius: 20px;
```

```
margin-top: 10px;
border: none;
background-color: #faf0e6;

}

.Layout .row{
    display: flex;
    justify-content: space-between;
    align-items: center;
    margin-top: 10px;
}

.Layout .row div:nth-child(2){
    font-weight: bold;
    font-size: x-large;
}

.checkoutbutton{
    width: 100%;
    height: 40px;
    border: none;
    border-radius: 20px;
    margin-top: 20px;
    font-weight: bold;
    color: #000;
    background-color: #fff;
}

.returnCart h1{
    border-top: 1px solid #eee;
    padding: 20px 0;
}

.returnCart .list .item img{
    height: 80px;
}

.returnCart .item{
    display: grid;
    grid-template-columns: 80px 1fr 50px 80px;
    align-items: center;
    gap: 20px;
    margin-bottom: 30px;
    padding: 0 10px;
    box-shadow: 0 10px 20px #555;
    border-radius: 20px;
}

.returnCart .item .info .name,
.returnCart .item .info .returnprice{
    font-size: x-large;
    font-weight: bold;
}
```

Filename: shop.js

```

let carticon = document.querySelector('.carticon');
let cart = document.querySelector('.cart');
let header = document.querySelector('.header');
let close = document.querySelector('.close');

//Allows to display the items added to cart once the cart icon is added.
carticon.addEventListener('click', ()=>{
    if(cart.style.right=='-100%'){
        cart.style.right='0';
        header.style.transform='translateX(-400px)';
    }else{
        cart.style.right='-100%';
        header.style.transform='translateX(0)';
    }
})
close.addEventListener('click', ()=>{
    cart.style.right='-100%';
    header.style.transform='translateX(0)';
})

//Fetches the information of all the products objects and displays it in the shop
let products=null;
fetch('product.json')
.then(response=>response.json())
.then(data=>{
    products=data;
    addDataToHTML();
})
function addDataToHTML(){
    let productdetailsHTML=document.querySelector('.productdetails');
    productdetailsHTML.innerHTML='';

    if(products!=null){
        products.forEach(product => {
            let newProduct=document.createElement('div');
            newProduct.classList.add('item');
            newProduct.innerHTML=`
<h2>${product.name}</h2>
<div class="price">$${product.price}</div>
<button onclick="addCart(${product.id})">Add to Cart</button>`;
            productdetailsHTML.appendChild(newProduct);

        });
    }
    //Ensures that the items added to the cart have been added once the button is
    //clicked.
    let cartdetails = {};
}

```

```

function checkcart() {
    var cookieValue = document.cookie
        .split('; ')
        .find(row => row.startsWith('cartdetails'));
    if (cookieValue) {
        cartdetails = JSON.parse(cookieValue.split('=')[1]);
    }
}

//Allows to change the quantity of the products

checkcart();

function addCart($idProduct) {
    let productCopy = JSON.parse(JSON.stringify(products));

    if (!cartdetails[$idProduct]) {
        let dataProduct = productCopy.filter(
            product => product.id == $idProduct
        )[0];
        cartdetails[$idProduct] = dataProduct;
        cartdetails[$idProduct].quantity = 1;
    } else {
        cartdetails[$idProduct].quantity++;
    }
    let timesave = "expires=Thu, 31 Dec 2025 23:59:59 UTC";
    document.cookie = "cartdetails=" + JSON.stringify(cartdetails) + "; " +
timesave + "; path=/;";
    addCartToHTML();
}

function addCartToHTML() {
    let cartdetailsHTML = document.querySelector('.cartdetails');
    cartdetailsHTML.innerHTML = '';
    let totalHTML = document.querySelector('.totalquantity');
    let totalquantity = 0;

    //Shows the objects of products bought instead of the default values

    for (let key in cartdetails) {
        if (cartdetails.hasOwnProperty(key)) {
            let product = cartdetails[key];
            let newcart = document.createElement('div');
            newcart.classList.add('item');
            newcart.innerHTML =
                `
                <div class="details">
                    <div class="name">
                        ${product.name}

```

```

        </div>
        <div class="price">
            ${product.price}/1 Product
        </div>
    </div>
    <div class="quantity">
        <button onclick="changequantity(${product.id}, '-')">-
</button>
        <span class="value">${product.quantity}</span>
        <button onclick="changequantity(${product.id}, '+')">+</button>
    </div>`;
    cartdetailsHTML.appendChild(newcart);
    totalquantity = totalquantity + product.quantity;
}
}

totalHTML.innerText = totalquantity;
}

function changequantity($idProduct, $type) {
switch ($type) {
case '+':
    cartdetails[$idProduct].quantity++;
    break;
case '-':
    cartdetails[$idProduct].quantity--;
    if (cartdetails[$idProduct].quantity <= 0) {
        delete cartdetails[$idProduct];
    }
    break;

default:
    break;
}

// Corrected date format
let timesave = "expires=Thu, 31 Dec 2025 23:59:59 UTC";
document.cookie = "cartdetails=" + JSON.stringify(cartdetails) + "; " +
timesave + "; path=/;";
addCartToHTML();
}

```

Filename: product.json

```
[  
  {  
    "id":1,  
    "name": "Classic Black Printed T-Shirt",  
    "price":10,  
    "image":"item1.png"  
  },  
  {  
    "id":2,  
    "name": "Classic Blue Printed T-Shirt",  
    "price":10,  
    "image":"item2.png"  
  },  
  {  
    "id":3,  
    "name": "Classic Grey Printed T-Shirt",  
    "price":10,  
    "image":"item3.png"  
  },  
  {  
    "id":4,  
    "name": "Printed Tote Bag",  
    "price":7,  
    "image":"item4.png"  
  },  
  {  
    "id":5,  
    "name": "Printed Tote Bag",  
    "price":7,  
    "image":"item5.png"  
  },  
  {  
    "id":6,  
    "name": "Water Bottle with Cover",  
    "price":5,  
    "image":"item6.jpeg"  
  },  
  {  
    "id":7,  
    "name": "White Printed Bucket Hat",  
    "price":8,  
    "image":"item7.jpeg"  
  },  
  {  
    "id":8,  
    "name": "Climate Saver Band",  
    "price":4,  
    "image":"item8.jpeg"  
},
```

```
{
  "id":9,
  "name": "Globe Sticker",
  "price":2,
  "image":"item9.png"
}
]
```

Filename: checkout.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Checkout</title>
  <link rel="stylesheet" href="shop.css">
  <link href='https://fonts.googleapis.com/css?family=Poppins' rel='stylesheet'>
</head>
<body>
  <div class="header">
    <div class="Layout">
      <div class="returnCart">
        <!--A link is added to get back to the product display of the shop-->
        <a href="shop.html">Keep Shopping</a>
        <h1>Products in the Cart</h1>
        <div class="list">
          <!--Provides an overview of the items bought-->
          <div class="item">
            
            <div class="info">
              <div class="name">Product 1</div>
              <div class="price">$10 / product</div>
            </div>
            <div class="quantity">1</div>
            <div class="returnprice">$10</div>
          </div>
        </div>
      </div class="right">
        <!--A form that gets user,card details and displays the total price-->
        <h1>CHECKOUT</h1>
        <div class="form">
          <div class="group">
            <label><i class="fa-brands fa-cc-mastercard" style="font-size: 50px;"></i>
            <i class="fa-brands fa-cc-visa" style="font-size: 50px;"></i>
          </label></div>
          <div class="group">
            <label for="cardnumber"><i class="fa-solid fa-credit-card"></i>
Card Number * </label><br>
```

```

        <input type="number" id="cardnumber" placeholder="XXXX-XXXX-XXXX-XXXX" required class="inputNumber"><span id="cardnumbererror"></span><br>
            </div>
            <div class=group>
                <label for="cardholder"><i class="fa-solid fa-user"></i> Cardholder Name*</label><br>
                    <input type="text" id="cardholder" required><span id="cardholdererror"></span><br>
                </div>
                <div class=group>
                    <label for="expirydate"><i class="fa-solid fa-calendar-days"></i> Expiry Date*</label><br>
                        <input type="date" id="expirydate" required><span id="expdateerror"></span><br>
                    </div>
                    <div class=group>
                        <label for="ccv"><i class="fa-solid fa-key"></i> CCV*</label><br>
                        <input type="number" id="ccv" required class="inputNumber"><span id="ccverror"></span>
                    </div>

                    <div class="group">
                        <label for="">Full Name</label>
                        <input type="text" name="" id="">
                    </div>
                    <div class="group">
                        <label for="">Phone Number</label>
                        <input type="text" name="" id="">
                    </div>
                    <div class="group">
                        <label for="">Address</label>
                        <input type="text" name="" id="">
                    </div>
                    <div class="group">
                        <label for="">Country</label>
                        <select name="" id="">
                            <option value="">...Choose</option>
                            <option value="Germany">Germany</option>
                            <option value="Sri Lanka">Sri Lanka</option>
                            <option value="Australia">Australia</option>
                            <option value="USA">USA</option>
                        </select>
                    </div>
                    <div class="group">
                        <label for="">City</label>
                        <select name="" id="">
                            <option value="">...Choose</option>
                            <option value="Munich">Munich</option>
                            <option value="Melban">Colombo</option>
                            <option value="Melbun">Melbun</option>
                            <option value="Califonia">Califonia</option>
                        </select>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        </select>
    </div>
</div>
<div class="return">
<div class="row">
    <div>Total Quantity</div>
    <div class="totalquantity">1</div>

    </div>
    <div class="row">
        <div>Total Price</div>
        <div class="totalprice">$50</div>

    </div>
</div>
<!--Links to a webpage that indicates that transaction was successful-->
<button class="checkoutbutton">
    <a href="successful.html">
        CHECKOUT
    </a>
</button>
</div>

</div>
</div>
<!--JS file-->
<script src="checkout.js"></script>
</body>
</html>

```

Filename: checkout.js

```

let cartdetails = {};

function checkcart() {
    var cookieValue = document.cookie
        .split('; ')
        .find(row => row.startsWith('cartdetails='));
    if (cookieValue) {
        cartdetails = JSON.parse(cookieValue.split('=')[1]);
    }
}

checkcart();
addCartToHTML();

function addCartToHTML() {
    let cartdetailsHTML = document.querySelector('.returnCart .list');
    cartdetailsHTML.innerHTML = '';
    let totalquantityHTML = document.querySelector('.totalquantity');
    let totalpriceHTML = document.querySelector('.totalprice');

```

```

let totalquantity = 0;
let totalprice = 0;

if (cartdetails) {
    Object.values(cartdetails).forEach(product => {
        if (product) {
            let newP = document.createElement('div');
            newP.classList.add('item');
            newP.innerHTML =
                ` 
                <div class="info">
                    <div class="name">${product.name}</div>
                    <div class="price">${product.price} / product</div>
                </div>
                <div class="quantity">${product.quantity}</div>
                <div class="returnprice">${product.price *
product.quantity}</div>`;
            cartdetailsHTML.appendChild(newP);
            totalquantity += product.quantity;
            totalprice += (product.price * product.quantity);
        }
    });
}

totalquantityHTML.innerText = totalquantity;
totalpriceHTML.innerText = '$' + totalprice;
}

```

Filename: successful.html

```

<html>
    <head>
        <link
        href="https://fonts.googleapis.com/css?family=Nunito+Sans:400,400i,700,900&display=
swap" rel="stylesheet">
    </head>
    <style>
        body {
            text-align: center;
            padding: 40px 0;
            background: #EBF0F5;
        }
        h1 {
            color: #88B04B;
            font-weight: 900;
            font-size: 40px;
            margin-bottom: 10px;
        }
        p {
            color: #404F5E;
        }
    </style>

```

```

        font-size:20px;
        margin: 0;
    }
    img {
        width: 200px;
        height: 200px;
        line-height: 200px;
        margin-left:-15px;
    }
    .success {
        background: white;
        padding: 60px;
        border-radius: 4px;
        box-shadow: 0 2px 3px #C8D0D8;
        display: inline-block;
        margin: 0 auto;
    }
</style>
<body>
    <div class="success">
        <div style="border-radius:200px; height:200px; width:200px; background:#F8FAF5; margin:0 auto;">
            
        </div>
            <h1>Transaction Successful!</h1>
            <p>We hope you like the products.<br/> And don't forget to say no to pollution!</p>
        </div>

        <script>
            setTimeout(function() {
                window.location.href = "home.html";
            }, 8000);
        </script>
    </body>
</html>

```

Filename: contentpage.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Content Page</title>
    <style>

```

```
body{  
    margin: 20px 20px;  
}  
  
h1{  
    text-align: center;  
    font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;  
    color: white;  
    font-weight: 900;  
    background-color: orange;  
    padding: 50px 0;  
    height: 50px;  
}  
  
p{  
    font-size: large;  
    font-family: 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande',  
    'Lucida Sans', Arial, sans-serif;  
    word-wrap: break-word;  
}  
  
.aim {  
display: grid;  
align-items:center;  
grid-template-columns: 50ch auto;  
column-gap: 50px;  
}  
  
.img {  
width: 100%;  
height:100%;  
}  
  
video{  
background-color: #FFD580;  
padding: 50px 380px;  
height: 300px;  
align-content: center;  
}  
  
</style>  
</head>
```

```
<body>
  <h1>
    CLIMATE CHANGE IS <br>
    REAL
  </h1>

  <p>
    Climate change has become a major concern in recent years.
    It refers to the long-term changes in the Earth's climate patterns
    caused by harmful actions, such as burning fossil fuels, deforestation, and
    industrial processes.
    These actions release greenhouse gases that trap heat, leading to a gradual
    increase in the planet's temperature.
    The impacts of climate change are diverse and far-reaching, affecting
    ecosystems, weather patterns, sea levels, and human societies.
    Climate change poses significant risks to both natural and human systems,
    including threats to biodiversity, food security, water resources, human health,
    and infrastructure.
    Eventhough it has emerged as a significant concern in recent years, many remain
    unaware of its gravity and the potential consequences it poses for the future of
    our survival.
    The video below offers a brief overview of this pressing issue.
  </p>

  <video width="640" height="480" controls>
    <source src="vedio.mp4" type="video/mp4">
  </video>

  <br>
  <br>

  <div class="aim">
    <div class="image">
      
    </div>
    <div class="text">
      <p>
        This website aims at creating awareness and improving education on
        climate change mitigation, adaptation, impact reduction, and early warning.
        Therefore, it sucessfully fulfills Climate Action, which is the
        13th Goal under the Sustainable Development Goals (SDGs).
        Through our shop, we aim to inspire environmentally conscious
        living that prioritize the health of our planet.
        Together, we strive to mitigate the impacts of climate change and
        build a brighter, greener future for generations to come.
      </p>
    </div>
  </div>
```

```
</body>
</html>
```

Filename: pageeditor.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Page Editor</title>
    <style>
        h1{
            text-align: center;
            font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;
            color: white;
            background-color: #9F8C76;
            padding: 20px 0;
            height: 40px;
        }

        .studentdetails{
            text-align: center;
            font-family: 'Courier New', Courier, monospace;
            background-color: #C8AD7F;
            padding: 10px;
            height: 80px;
        }

        .links{
            font-family: 'Courier New', Courier, monospace;
            background-color:#F9E5BC;
            padding: 50px 380px;
            height: 500px;
        }

        a{
            align-items: center;
        }

    </style>
</head>
```

```
<body>
    <h1>Page Editor</h1>

    <div class="studentdetails">
        <p>
            <b>
                Name: Thishakya Wickramasinghearachchi <br>
                Role: Student 1 <br>
            </b>
            The pages edited by me are linked below. <br>
        </p>
    </div>
    <br>

    <div class="links">
        <h2>Splash Screen</h2>
        <ul>
            <li>A splash screen that provides information of the team members.</li>
            <li>Lasts for four seconds only and redirected to the website.</li>
            <li>Makes use of html lists.</li>
            <li>Makes use of an internal stylesheet.</li>
        </ul>
        <a href="splashscreen.html" target="_blank">link to splash screen</a>

        <h2>Shop</h2>
        <ul>
            <li>An online shop that has a working cart and checkout system.</li>
            <li>html provides basic outline of the shop.</li>
            <li>External css is used to design the page more attractively.</li>
            <li>Java script is used to make buttons.</li>
        </ul>
        <a href="shop.html" target="_blank">link to shop</a>

        <h2>Content Page</h2>
        <ul>
            <li>Provides a basic overview of the topic and aim.</li>
            <li>Uses html and internal stylesheet to design the page.</li>
        </ul>
        <a href="Content Page/" target="_blank">link to Content Page</a>
    </div>
</body>
</html>
```

Appendix B: Screenshots

Splashscreen:



Mission:

We aim at raising awareness about the urgent global issue of climate change. We strive to educate our users on this issue and provide them with sustainable and eco-friendly merchandise products.

- Thishakya Wickramasinghearachchi
- Pehansa Dharmapala
- Thisen Dissanayake
- Sehanasa Senevirathne

Shop:



Home About Profile Shop Gallery Rate us



SHOP



Classic Black Printed T-Shirt
\$10



Classic Blue Printed T-Shirt
\$10



Classic Grey Printed T-Shirt
\$10



Printed Tote Bag
\$7



Printed Tote Bag
\$7



Water Bottle with Cover
\$5



White Printed Bucket Hat
\$8



Climate Saver Band
\$4



Globe Sticker
\$2



About Contact Support

Portfolio Contact us Privacy & Policy

Site Map Terms and Services

News & Blog

Copyright © 2024 - Climate Action - All Rights Reserved.

Cart:

The screenshot shows a shopping cart interface with a dark header bar containing links for Home, About, Profile, Shop, Gallery, and Rate us. Below this is a light-colored navigation bar labeled "SHOP". The main content area displays three products:

- Classic Black Printed T-Shirt**: \$10. It features a black t-shirt with a white graphic that reads "BE A PART OF THE SOLUTION" above a globe, and "NOT PART OF THE POLLUTION" below it.
- Classic Blue Printed T-Shirt**: \$10. It features a blue t-shirt with a white graphic that reads "CLIMATE CHANGE IS NOT A MYTH".
- Water Bottle with Cover**: \$5. It features a water bottle with a green cover that has the text "don't be" and "be the change" on it.

On the right side of the screen, there is a "CART" summary table:

	CART
Classic Blue Printed T-Shirt	10/1 Product
Classic Grey Printed T-Shirt	5/1 Product
Water Bottle with Cover	1/1 Product

At the bottom right of the cart summary are "CLOSE" and "CHECKOUT" buttons.

Checkout:

Products in the Cart

The list shows the three items from the cart:

- Classic Blue Printed T-Shirt**: \$10 / product. Quantity: 4. Total: \$40.
- Classic Grey Printed T-Shirt**: \$10 / product. Quantity: 5. Total: \$50.
- Water Bottle with Cover**: \$5 / product. Quantity: 1. Total: \$5.

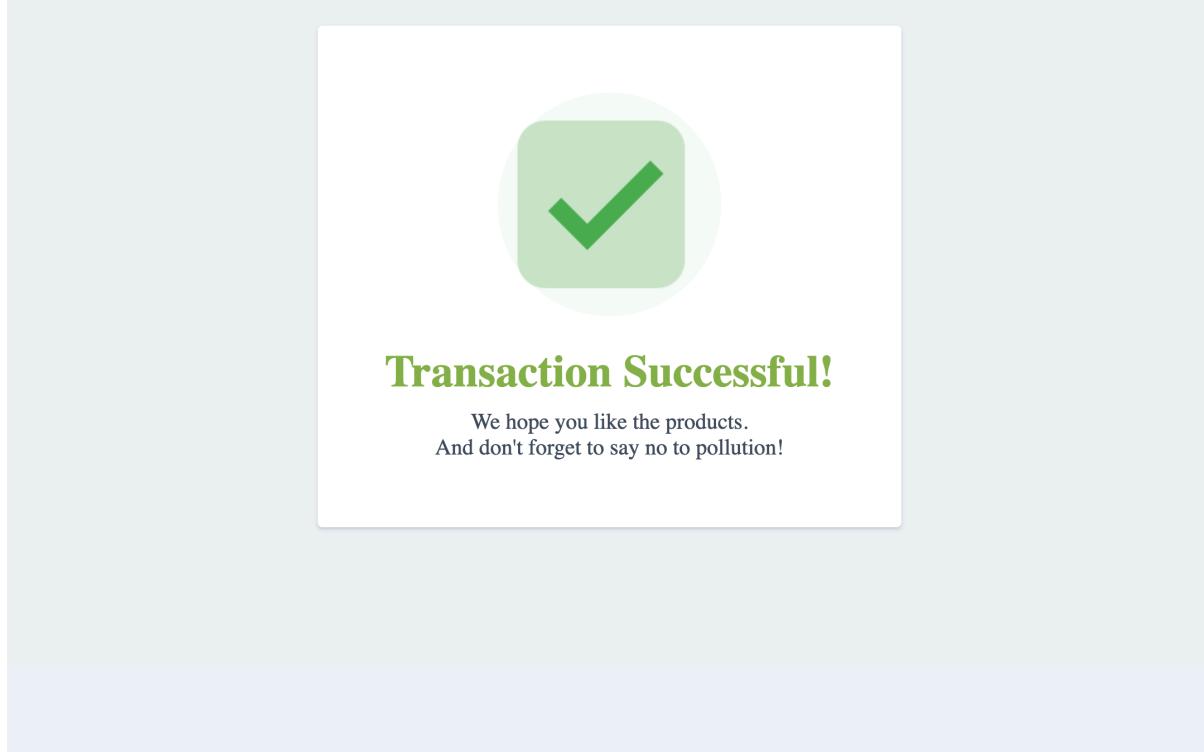
CHECKOUT

The checkout form includes the following fields:

- Card Number*: XXXX-XXXX-XXXX-XXXX
- Cardholder Name*
- Expiry Date*: yyyy-mm-dd
- CCV*
- Full Name
- Phone Number
- Address
- Country: ...Choose
- City: ...Choose
- Total Quantity: 10
- Total Price: \$95

At the bottom right is a large "CHECKOUT" button.

Transaction Successful:



Content Page:

**CLIMATE CHANGE IS
REAL**

Climate change has become a major concern in recent years. It refers to the long-term changes in the Earth's climate patterns caused by harmful actions, such as burning fossil fuels, deforestation, and industrial processes. These actions release greenhouse gases that trap heat, leading to a gradual increase in the planet's temperature. The impacts of climate change are diverse and far-reaching, affecting ecosystems, weather patterns, sea levels, and human societies. Climate change poses significant risks to both natural and human systems, including threats to biodiversity, food security, water resources, human health, and infrastructure. Even though it has emerged as a significant concern in recent years, many remain unaware of its gravity and the potential consequences it poses for the future of our survival. The video below offers a brief overview of this pressing issue.



This website aims at creating awareness and improving education on climate change mitigation, adaptation, impact reduction, and early warning. Therefore, it successfully fulfills Climate Action, which is the 13th Goal under the Sustainable Development Goals (SDGs). Through our shop, we aim to inspire environmentally conscious living that prioritizes the health of our planet. Together, we strive to mitigate the impacts of climate change and build a brighter, greener future for generations to come.

Page Editor:

The screenshot shows a web-based page editor interface. At the top, there's a dark brown header bar with the text "Page Editor". Below it is a yellow section containing a "Splash Screen" with the following details:

Name: Thishakya Wickramasinghearachchi
Role: Student 1
The pages edited by me are linked below.

Below this, there are three main sections: "Splash Screen", "Shop", and "Content Page", each with a brief description and a link to the original page.

- Splash Screen**: A splash screen that provides information of the team members.
 - Lasts for four seconds only and redirected to the website.
 - Makes use of html lists.
 - Makes use of an internal stylesheet.[link to splash screen](#)
- Shop**: An online shop that has a working cart and checkout system.
 - html provides basic outline of the shop.
 - External css is used to design the page more attractively.
 - Java script is used to make buttons.[link to shop](#)
- Content Page**: Provides a basic overview of the topic and aim.
 - Uses html and internal stylesheet to design the page.[link to Content Page](#)

Appendix C: Screenshots - Webpage Validation Evidence

Filename: splash.html

This screenshot shows the Nu Html Checker interface. The title bar says "Nu Html Checker". The main area displays the following message:

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for uploaded file splash.html

Checker Input

Show source outline image report [Options...](#)

Check by No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Document checking completed. No errors or warnings to show.

Used the HTML parser.
Total execution time 3 milliseconds.

splash.html

Filename: contentpage.html

This screenshot shows the Nu Html Checker interface. The title bar says "Nu Html Checker". The main area displays the following message:

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for uploaded file contentpage.html

Checker Input

Show source outline image report [Options...](#)

Check by No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Document checking completed. No errors or warnings to show.

Used the HTML parser.
Total execution time 4 milliseconds.

Appendix D: Task Completion Checklist

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