



Informatics Institute of Technology

Department of Computing

B.Sc. (Hons) Artificial Intelligence and Data Science

Module: CM1605 Web Technology

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Group Coursework Report

Tutorial Group: A

Coursework Group No:

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1.Introduction

Topic Chosen:

Ecommerce Site

The name of the ecommerce site we developed is Smart-Shop. Through this website customers are able to purchase a wide variety of products. Our main intention is to ease the process of purchasing goods through the usage of AI applications.

Features:

Presentation page

Main Page

Sign Up Page

Gallery Page

About Us Page

Members:

Dineth Hasaranga	Presentation Page Signup Page Gallery Page Editors page	Student 01
Dilini	Home Page Editors page	Student 02
Oshan Rathnayaka	About Us Page Product Page Editors page	Student 03
Roshen Hasangha	Previous purchase page Newsletter Subscription Form	Student 04

2. Research on Existing Systems:

eBay

eBay is an ecommerce related website that provides the customers to purchase an array of products in couple of clicks via a website.

Features:

- Browser
- Product Videos
- Product description.
- Sign Up forms
- Saved Items
- Categorized Shopping
- My eBay – Customized Account for the user
- Sell option for user.
- Timed discounts, vouchers, daily deals and raffle draws.
- Blogs
- Mobile App
- Advance search option

Ali express

Ali Express is a popular e-commerce platform for purchasing things. It is a Chinese online retail service owned by the Alibaba Group.

Features :

- Browser
- Sign up
- Low price compared to our market
- Free shipping is usually on offer
- No need to talk to suppliers
- Various Products
- Tracking System
- Trusted Security

3. Technical Discussion:

Dineth Hasaranga: Student 01

I completed all the tasks allocated for the Student 01 of the coursework and they are discussed below.

Presentation Page:

I created the presentation page with the details of the group members. A separate web page was created for this and used java script to redirect to the main page after 5 seconds.

```
<script>
    function redirectme() {
        window.location = "https://www.google.com/";
    }
    setTimeout("redirectme()", 5000);
</script>
```

Sign Up Page:

I was assigned to create a sign-up form in order to collect user information and preferences. To confirm correct data are entered, I have used java script to validate the fields.

```
<script >
    function signupform() {

        let namef = document.forms["SignUpForm"].fname.value;
        let namel = document.forms["SignUpForm"].lname.value;
        let occupationc = document.forms["SignUpForm"].occupation.value;
        let emailc = document.forms["SignUpForm"].email.value;
        let areac = document.forms["SignUpForm"].areacode.value;
        let phonec = document.forms["SignUpForm"].phone.value;
        let resultc = document.forms["SignUpForm"].results.value;
        let genderc = document.forms["SignUpForm"].gender.value;
        let agec = document.forms["SignUpForm"].age.value;
        let choicec = document.forms["SignUpForm"].choice.value;
        let choice1c = document.forms["SignUpForm"].choice1.value;
        let choice2c = document.forms["SignUpForm"].choice2.value;

        if (namef == "") {
            alert("Please enter your first name.");
        }
    }
}
```

```
}

else if (name1 == "") {
    alert("Please enter your last name.");
}

else if (occupationc == "") {
    alert("Please enter your occupation.");
}

else if (agec == "") {
    alert("Please enter your age.");
}

else if (emailc == "") {
    alert("Please enter a valid e-mail address.");
}

else if (phonec == "") {
    alert("Please enter your telephone number.");
}

else if (areac == "") {
    alert("Please enter the area code.");
}

else if (resultc.selectedIndex < 1) {
    alert("Please enter the relevant value");
}

else if (genderc.selectedIndex < 1) {
    alert("Please enter the relevant value");
}

else if (choicec.selectedIndex < 1) {
    alert("Please enter the relevant value");
}
```

```
else if (choice1c.selectedIndex < 1) {  
    alert("Please enter the relevant value");  
}  
  
else if (choice2c.selectedIndex < 1) {  
    alert("Please enter the relevant value");  
}  
  
else {  
    alert("Dear" + " " + namef + " " + ",Thank you for using Signing Up  
with us, the recommended results will be shown in a while")  
}  
  
};  
</script>
```

After an entry is successfully submitted, an alert will display saying “Dear ‘name’ thank you for using signing up with us, the recommended results will be shown in a while.”



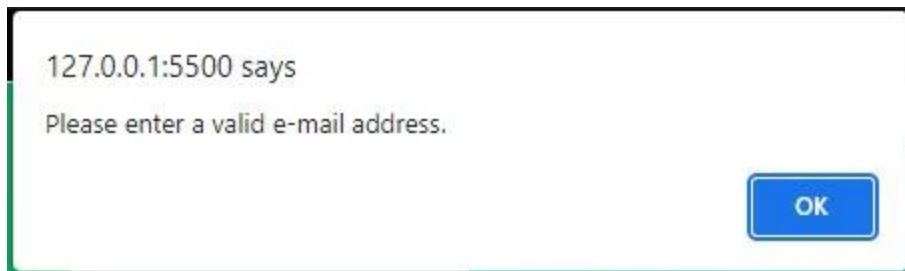
If the occupation field is empty a pop-up message is generated as follows.



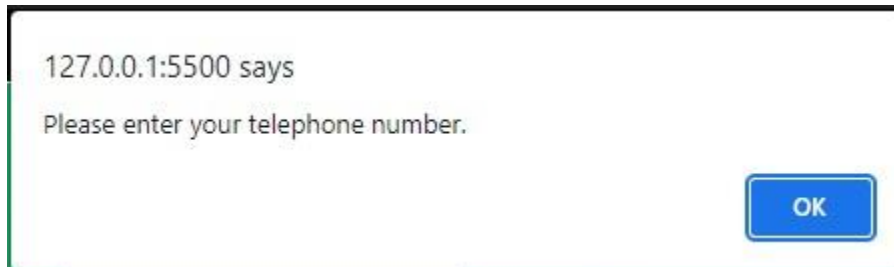
If the age field is empty a pop-up message is generated as follows.



If the email field is empty a pop-up message is generated as follows.



If the phone number field is empty a pop-up message is generated as follows.



Gallery Page:

My last task was to create a Gallery page which allows the user to view images of the products. When user clicks on the thumbnail image, the corresponding larger image and the description of that image is displayed in a defined location of the web page. I used java script and div tags to accomplish the task.

```
<div class="container1">
  Your Selection
  <div class="main_view">
    
  </div>
</div>

<div class="container2">
  <div class="main_description">
    <p id="description">Product Description<br><br><br></p>
    <p id="description2"></p>
  </div>
</div>
```

```
document.getElementById("myImage").onclick = function() {myFunction()};
function myFunction() {
    document.getElementById("description2").innerHTML = "Brand
Name:Ainoomax,Place of Origin:China,Screen Resolution:320x240,Operation
System:ANDROID,Band Material:Rubber,Function:Call, Dial Call, Remote Control,
Sleep Tracker,Feature:Touch Screen";
    document.getElementById("main").src =
document.getElementById("myImage").src}
```

Dilini Amarasinghe : Student 02

I choose the tasks of student 02. My tasks are as follows.

Main page

I visited popular e commerce websites and watched YouTube videos for the design of the main page. After carefully observing them, I set up the structure of the main page.

After discussing with the team members, I chose a color for the web site.

Navigation bar

I decided to use the horizontal navigation bar because most of the websites I tested used horizontal navigation bar and it was familiar to users. And we add footer part for the editor's page.

I used nav tag and div tag for navigation bar. And I used css for hover effect, colors and dimensions.

```
<div class="header-2">
  <nav class="navbar">
    <a href="home.html">Home</a>
    <a href="Productpage.html">Shop Now</a>
    <a href="About us.html">About Us</a>
    <a href="Presentation.html">Presentation Page</a>
    <a href="Gallery.html"> Gallery</a>
    <a href="formDineth.html"> Sign Up</a>
    <a href="newsletter.html">Newsletter</a>
  </nav>
</div>
```

When the mouse is hovered over one of the links, that area of the bar becomes dark green.



Comment form

Basically, I used html and css for comment form and java script for validation part.

```
<div class="container">
  <div class="title">Comment Form</div>
  <div class="content">
    <form name="commentform" action="#" onsubmit="validateForm()" method="post">
      <div class="user-details">
        <div class="input-box">
          <span class="details">Full Name</span>
          <input
            type="text"
            name="fname"
            id="fname"
            placeholder="Enter your name"
          />
        </div>
        <div class="input-box">
          <span class="details">Email</span>
          <input
            type="text"
            name="email"
            id="email"
            placeholder="Enter your email"
          />
        </div>
        <div class="input-box">
          <span class="details">Comment</span>
          <textarea
            id="comment"
            name="comment"
            id="comment"
            placeholder="Enter your comments"
          >
          </textarea>
        </div>
      </div>
    </form>
  </div>
</div>
```

```

<!-- Rate option-->
<div class="rating">
  <span id="rate-us">Rate Us</span><br />

  <input type="radio" id="star5" name="rate" value="Excellent" />
  <label for="star5" title="text">5 stars</label>

  <input type="radio" id="star4" name="rate" value="Very good" />
  <label for="star4" title="text">4 stars</label>

  <input type="radio" id="star3" name="rate" value="Good" />
  <label for="star3" title="text">3 stars</label>

  <input type="radio" id="star2" name="rate" value="Weak" />
  <label for="star2" title="text">2 stars</label>

  <input type="radio" id="star1" name="rate" value="Poor" />
  <label for="star1" title="text">1 star</label>
</div>

<br /><br />
<div class="button">
  <div class="button-1">
    <input type="submit" name="submit" value="Submit" />
  </div>
  <br><br>
  <div class="button-2">
    <input type="reset" name="reset form" value="Reset" />
  </div>
</div>
</form>

```






Comment Form

Full Name

Email

Comment

Rate Us



Submit

Reset

Validation part

```
function validateForm() {  
  let name = document.getElementById("fname").value;  
  if (name == "") {  
    alert("Name must be filled out");  
    return false;  
  }  
}
```

The screenshot shows a web form titled "Comment" with a sub-label "Full Name". Below the label is a text input field containing the placeholder text "Enter Your Name". A white modal dialog box is overlaid on the form, displaying the message "This page says" followed by "Name must be filled out" in red. A blue "OK" button is located at the bottom right of the dialog box.

```
let email = document.getElementById("email").value;
if (email == "") {
  alert("email must be filled out");
  return false;
}
```

The screenshot shows a white modal dialog box with a light green border. It contains the text "This page says" followed by "email must be filled out" in red. A blue "OK" button is positioned at the bottom right of the dialog box.

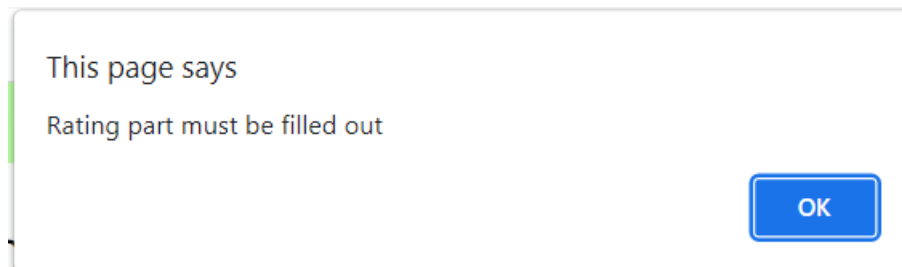
```
let comment = document.getElementById("comment").value;

let rate = "";
if (document.getElementById("star1").checked) {
  rate = document.getElementById("star1").value;
} else if (document.getElementById("star2").checked) {
  rate = document.getElementById("star2").value;
} else if (document.getElementById("star3").checked) {
  rate = document.getElementById("star3").value;
} else if (document.getElementById("star4").checked) {
  rate = document.getElementById("star4").value;
} else if (document.getElementById("star5").checked) {
  rate = document.getElementById("star5").value;
}
```

```

if ((rate == "") | (rate == null)) {
    alert("Rating part must be filled out");
    return false;
}

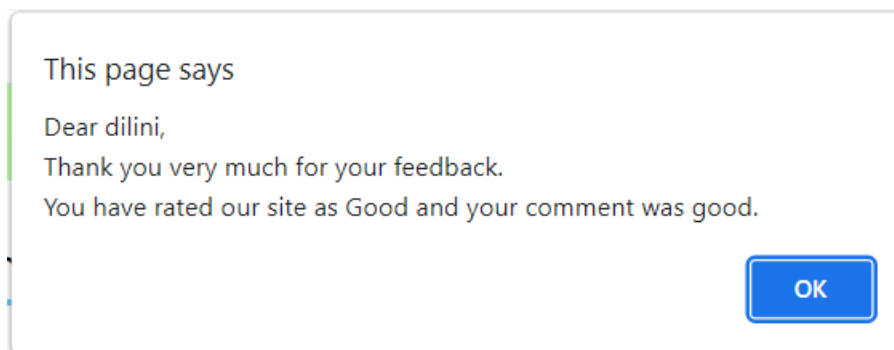
```



```

alert(
    "Dear " +
    name +
    ",\nThank you very much for your feedback.\nYou have rated our site
as " +
    rate +
    " and your comment was " +
    comment +
    "."
);
}

```



Quiz page

The Quiz was made with javascript prompt box.

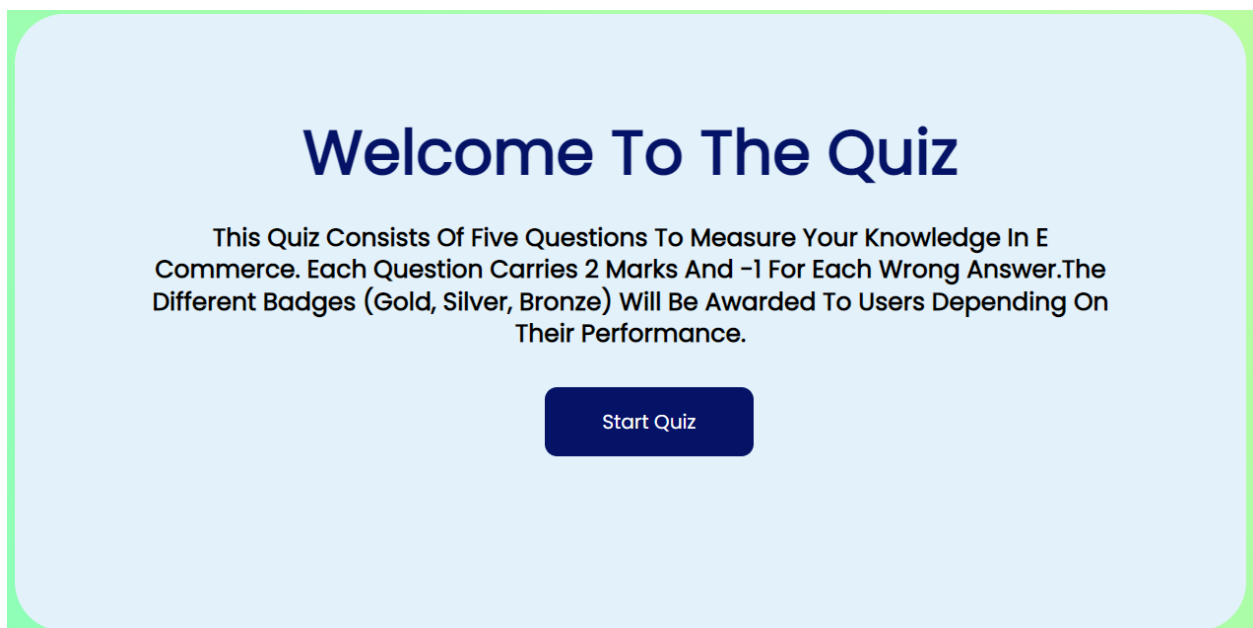
```
<!--Quiz-->
```

```

<div id="quiz-home" class="start-quiz">
  <h3>Welcome to the Quiz</h3><br><br>
  <p>This quiz consists of five questions to measure your knowledge in e
commerce.
    Each question carries 2 marks and -1 for each wrong answer.The
different badges (Gold, Silver, Bronze) will be awarded to users depending on
their
    performance.
  </p>
  <button type="button" class="btn" id="btn" onclick="myFunction()">Start
quiz</button>

</div>

```



```

//Quiz

function myFunction() {
  let marks = 0

  //Q1
  let q1 = prompt("Which of the following describes e-commerce?\n1.Doing
business electronically\n2.Doing business\n3.Sale of goods\n4.All of the
above\n\nPlease enter the relevant number of the answer");
  if (q1 == 1) {
    marks += 2 ;

```



```

    } else {
        marks = marks - 1 ;
    }

    //Q2
    let q2 = prompt("The primary source of financing during the early years
of e commerce was _____. \n1.Bank loans\n2.Large retail firms\n3.Venture
capital funds\n4.Initial public offerings\n\nPlease enter the relevant number of
the answer");
    if (q2 == 3) {
        marks += 2 ;
    } else {
        marks = marks - 1 ;
    }

    //Q3
    let q3 = prompt("Which products are people most likely to be more
uncomfortable buying on the Internet?\n1.Books\n2.Furniture\n3.Movies\n4.All of
the above\n\nPlease enter the relevant number of the answer");
    if (q3 == 2) {
        marks += 2 ;
    } else {
        marks = marks - 1 ;
    }

    //Q4
    let q4 = prompt("Which products are people most likely to be more
comfortable buying on the Internet?\n1.Books\n2.PCs\n3.CDs\n4.All of the
above\n\nPlease enter the relevant number of the answer");
    if (q4 == 4) {
        marks += 2 ;
    } else {
        marks = marks - 1 ;
    }

    //Q5
    let q5 = prompt("How the transactions occur in e commerce?\n1.Using e
medias\n2.Using computers only\n3.Using mobile phones only\n4.None of the
above\n\nPlease enter the relevant number of the answer");
    if (q5 == 1) {
        marks += 2 ;
    } else {
        marks = marks - 1 ;
    }

```

```
    if (marks >= 8){  
        alert("Congratulation! You have earned " + marks + " points with a  
Gold badge.please claim the points in your next purchase.") ;  
    } else if (marks >= 6){  
        alert("Congratulation! You have earned " + marks + " points with a  
Silver badge.please claim the points in your next purchase.") ;  
    } else if (marks >= 4){  
        alert("Congratulation! You have earned " + marks + " points with a  
Bronze badge.please claim the points in your next purchase.") ;  
    } else {  
        alert("Congratulation! You have earned " + marks + " points.please  
claim the points in your next purchase.") ;  
    }  
  
}
```

When user click the start quiz button questions are popup.

This page says

Which of the following describes e-commerce?

- 1.Doing business electronically
- 2.Doing business
- 3.Sale of goods
- 4.All of the above

Please enter the relevant number of the answer

OK Cancel

When the quiz is completed users will be given the badge awarded with the points earned in a pop up box.

This page says

Congratulation! You have earned 7 points with a Silver badge,please claim the points in your next purchase.

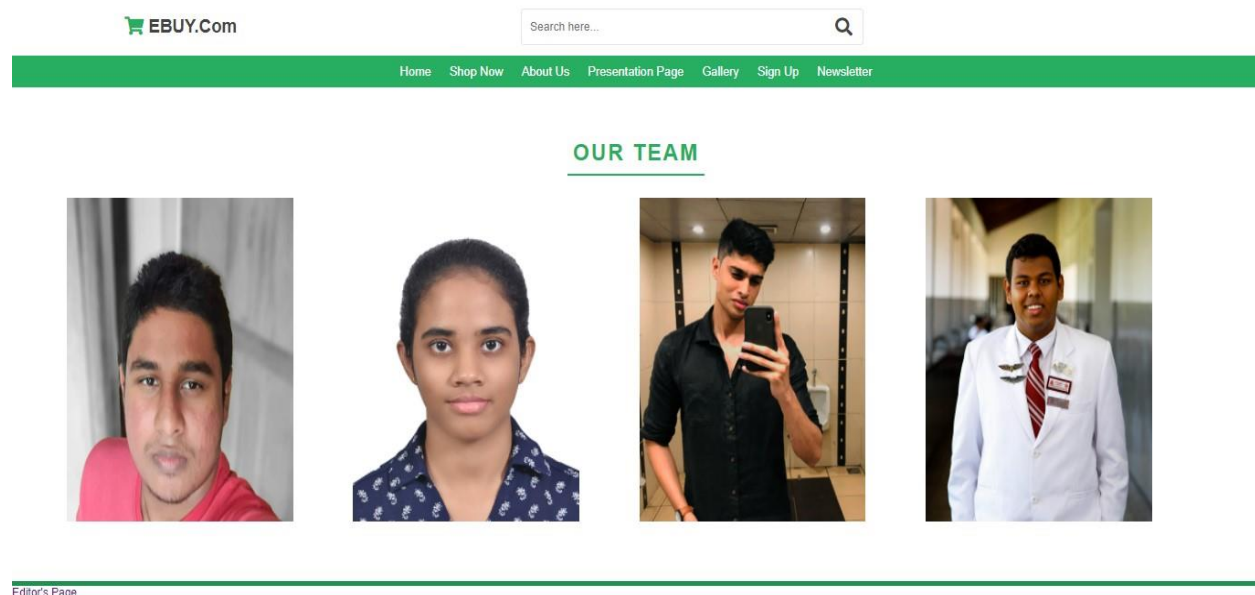
OK

Oshan Rathnayaka: Student 3

I took the task of student 3 in this course work. My task are as follows

About us Page

I had to create the about us website, which contains information about the members of our group. I looked at design elements and visited a number of e-commerce sites to get a sense of what an About Us page should look like. After hours of research, I decided to put pictures of our group members in the middle of the page, with information of each picture displayed as the user drags the mouse over it. To do so, I first created a section element, and then inside the section tag, I used div to specify the web page's split.



```

<section class="team">
  <div class="About us container">
    <h1>OUR TEAM</h1>
    <div class="row">
      <div class="col-3">
        
        <h3 class="overlay">Dineth hasaranga<br>Student 1</h3>

      </div>

      <div class="col-3">
        
        <h3 class="overlay">Dilini kudaligamage<br>Student 2</h3>

      </div>

      <div class="col-3">
        
        <h3 class="overlay">Oshan Rathnayaka<br>Student 3</h3>

      </div>

      <div class="col-3">
        
        <h3 class="overlay">Oshan Rathnayaka<br>Student 4</h3>

      </div>

    </div>
  </div>
</section>

```

Second, to acquire the hover effects and other styles I required, I utilized the CSS styles shown below.

```
152 .team{
153   margin:75px;
154 }
155
156
157 h1{
158   text-align: center;
159   font-size: 30px;
160   font-weight: bold;
161   letter-spacing: 3px;
162   color: ■rgb(27, 165, 39);
163   padding-bottom: 15px;
164 }
165 h1:after{
166   content:'';
167   background:■rgb(13, 184, 90) ;
168   display: block;
169   height:3px ;
170   width: 200px;
171   margin:10px auto ;
172
173 }
174
175
176 .col-3 {
177   float: left;
178   width: 25%;
179   padding: 5px;
180 }
181 .row {
182   display:flex;
183 }
```

```

184 .overlay{
185     position:fixed;
186     bottom:13%;
187     background: rgb(79, 212, 101);
188     color: #f1f1f1;
189     width: 330px;
190     transition: 0.5s ease;
191     opacity:0;
192     color: white;
193     font-size: 20px;
194     padding: 10px;
195     text-align: center;
196     cursor: pointer;
197 }
198 .col-3:hover .overlay {
199     opacity: 3;
200 }
201 #team{
202     width: 330px;
203     height:450px;
204 }

```

Product page

The next task I had given was Product page with total bill calculation ,form validation and collecting points from the quiz and reduce the total bill. However I could not complete the collecting points from the quiz and reducing total bill task so I omitted that task. To make the structure of the product page I used some html elements .

```

<div class="Product-container">
  <h2>All Products</h2>
  <button type="button" class="fontbutton" onclick="myFunction1()">increase </button>
  <button type="button" class="fontbutton" onclick="myFunction2()">decrease</button>

  <div class="row">
    <div class="col-4">

      
      <span class="shop-item-name"><b> Denim shirt</b></span><br>

      <span class="shop-item-price"><b>$28</b></span><br>
      <button class="button button-primary shop-item-button" type="button">ADD TO CART</button>

    </div>

    <div class="col-4">

      
      <span class="shop-item-name"><b>Womens green Skirt</b></span><br>

      <span class="shop-item-price"><b>$35</b></span><br>
      <button class="button button-primary shop-item-button" type="button">ADD TO CART</button>

    </div>

    <div class="col-4">
      
      <span class="shop-item-name"><b>mens Belt</b></span><br>

```



```

<div class="col-4">
  
  <span class="shop-item-name"><b>mens Belt</b></span><br>

  <span class="shop-item-price"><b>$30</b></span><br>
  <button class="button button-primary shop-item-button" type="button">ADD TO CART</button>

</div>

<div class="col-4">

  
  <span class="shop-item-name"><b>Apple Watch</b></span><br>

  <span class="shop-item-price"><b>$350</b></span><br>
  <button class="button button-primary shop-item-button" type="button">ADD TO CART</button>

</div>

</div>

```

I added the Cart section below the products listing so you can see the products that he added to the cart without going to another page

```

<section class="container content-section">
  <h2 class="section-header">CART</h2>
  <div class="cart-row">
    <span class="cart-item cart-name cart-column">ITEM</span>
    <span class="cart-price cart-name cart-column">PRICE</span>
    <span class="cart-quantity cart-name cart-column">QUANTITY</span>
  </div>
  <div class="cart-items">
  </div>
  <div class="cart-total">
    <strong class="cart-total-name">Total</strong>
    <span class="cart-total-price">$0</span>
  </div>

</div>
<button class="button button-primary button-purchase" type="button" value="form" onclick="document.location='form.html'" >PURCHASE</button>

```

I made several JavaScript functions to add products to the cart, remove products from the cart, calculate total bill . The JavaScript codes below are the code used to do that parts .

```
if (document.readyState == 'loading') {
    document.addEventListener('DOMContentLoaded', readpage)
} else {
    readpage()
}

/*add to cart and remove from cart*/
function readpage() {
    var removeCartItemButtons = document.getElementsByClassName('button-remove')
    for (var i = 0; i < removeCartItemButtons.length; i++) {
        var button = removeCartItemButtons[i]
        button.addEventListener('click', removeitemfromcart)
    }

    var quantityInputs = document.getElementsByClassName('cart-quantity-input')
    for (var i = 0; i < quantityInputs.length; i++) {
        var input = quantityInputs[i]
        input.addEventListener('change', addingtotal)
    }

    var addToCartButtons = document.getElementsByClassName('shop-item-button')
    for (var i = 0; i < addToCartButtons.length; i++) {
        var button = addToCartButtons[i]
        button.addEventListener('click', addingitemtocart)
    }

    document.getElementsByClassName('button-purchase')[0].addEventListener('click', purchaseClicked)
}
```

```

/*remove item from cart*/
✓ function removeitemfromcart(event) {
    var buttonClicked = event.target
    buttonClicked.parentElement.parentElement.remove()
    updateCart()
}

/*adding the total*/
✓ function addingtotal(event) {
    var input = event.target
    ✓ if (isNaN(input.value) || input.value <= 0) {
        input.value = 1
    }
    updateCart()
}

/*adding items to the cart*/
✓ function addingitemtocart(event) {
    var button = event.target
    var shopItem = button.parentElement
    var name = shopItem.getElementsByClassName('shop-item-name')[0].innerText
    var price = shopItem.getElementsByClassName('shop-item-price')[0].innerText
    var imageSrc = shopItem.getElementsByClassName('shop-item-image')[0].src

    addingItemsToCart(name, price, imageSrc)
    updateCart()
}

```

```

/*check quantity and total price*/
function updateCart() {
    var cartItemContainer = document.getElementsByClassName('cart-items')[0]
    var cartRows = cartItemContainer.getElementsByClassName('cart-row')
    var total = 0
    for (var i = 0; i < cartRows.length; i++) {
        var cartRow = cartRows[i]
        var priceElement = cartRow.getElementsByClassName('cart-price')[0]
        var quantityElement = cartRow.getElementsByClassName('cart-quantity-input')[0]
        var price = parseFloat(priceElement.innerText.replace('$', ''))
        var quantity = quantityElement.value
        total = total + (price * quantity)
    }
    total = Math.round(total * 100) / 100
    document.getElementsByClassName('cart-total-price')[0].innerText = '$' + total
}

```

```

/*contents in the cart*/
function addingItemsToCart(name, price, imageSrc) {
    var cartRow = document.createElement('div')
    cartRow.classList.add('cart-row')
    var cartItems = document.getElementsByClassName('cart-items')[0]
    var cartItemNames = cartItems.getElementsByClassName('cart-item-name')
    for (var i = 0; i < cartItemNames.length; i++) {
        if (cartItemNames[i].innerText == name) {
            alert('This item is already added to the cart')
            return
        }
    }
    var cartRowContents = `
        <div class="cart-item cart-column">
            
            <span class="cart-item-name">${name}</span>
        </div>
        <span class="cart-price cart-column">${price}</span>
        <div class="cart-quantity cart-column">
            <input class="cart-quantity-input" type="number" value="1">
            <button class="button button-remove" type="button">REMOVE</button>
        </div>`
    cartRow.innerHTML = cartRowContents
    cartItems.append(cartRow)
    cartRow.getElementsByClassName('button-remove')[0].addEventListener('click', removeitemfromcart)
    cartRow.getElementsByClassName('cart-quantity-input')[0].addEventListener('change', addingtotal)
}

```

The other task I had given was form validation with popup summary. When user click purchase button page will automatically go to the form page to make the form I used below codes

```

<body>
  <div class="container">
    <form id="form" action="">
      <h1>Personal infromation</h1>

      <div class="input-control">
        <label for="Fname">First name</label>
        <input id="Fname" name="Fname" type="text" >
        <div class="error"></div>
      </div>

      <div class="input-control">
        <label for="Lname">Last name</label>
        <input id="Lname" name="Lname" type="text" >
        <div class="error"></div>
      </div>

      <div class="input-control">
        <label for="email">Email</label>
        <input id="email" name="email" type="text" >
        <div class="error"></div>
      </div>

      <div class="input-control">
        <label for="Address">Address</label>
        <input id="Address" name="Address" type="Address" >
        <div class="error"></div>
      </div>

      <div class="input-control">
        <label for="Telephone">Telephone number</label>
        <input id="Telephone" name="Telephone" type="Telephone" >
        <div class="error"></div>
      </div>

      <button type="submit" onclick="formvalidation(this.form)">Submit</button>
    </form>
  </div>
</body>

```

Then I used below JavaScript codes for form validation

```
function formvalidation(myform){

  const Firstname = document.getElementById('Fname').value;
  const Lastname = document.getElementById('Lname').value;
  const email = document.getElementById('email').value;
  const Address = document.getElementById('Address').value;
  const Telephone = document.getElementById('Telephone').value;

  if(Firstname==""){
    alert("Please Enter the First name");
  }

  else if(Lastname==""){
    alert("Please Enter the Last name");
  }

  else if(email==""){
    alert("Please Enter the email");
  }

  else if(Address==""){
    alert("Please Enter the Address");
  }

  else if(Telephone==""){
    alert("Please Enter the Telephone number");
  }

  else{
    // alert("Hey " + Firstname + " " + Lastname);
    msg=localStorage.getItem("msg");
    alert("Hey " + Firstname + " " + Lastname+ "\n" + msg);
  }
}
```

to make the pop up summery I used below JavaScript codes and functions

```

/*redirect to personal details page when "purchase" is clicked new*/

function purchaseClicked() {
  createConfirmMsg()
  var cartItems = document.getElementsByClassName('cart-items')[0]
  while (cartItems.hasChildNodes()) {
    cartItems.removeChild(cartItems.firstChild)
  }
  updateCartTotal()

  alert('Thank you for your purchase.')
}

/*confirmation message in purchase*/
function createConfirmMsg(){
  var msg= "Thank you for shopping with us. \nHere's the summary of your order. \n"
  var cartItemContainer = document.getElementsByClassName('cart-items')[0]
  var cartRows = cartItemContainer.getElementsByClassName('cart-row')
  for (var i = 0; i < cartRows.length; i++) {
    var cartRow = cartRows[i]
    var item = cartRow.getElementsByClassName('cart-item')[0].innerText
    var price = parseFloat(cartRow.getElementsByClassName('cart-price')[0].innerText.replace('$', ''))
    var quantity = cartRow.getElementsByClassName('cart-quantity-input')[0].value
    msg=msg+quantity+ " item(s) of "+item+" costs "+price+ ".\n"
  }
  var cartTotal =document.getElementsByClassName('cart-total-price')[0].innerText;
  msg= msg+"Total Amount of the order is "+cartTotal+". \nHave a good day!"
  localStorage.setItem("msg",msg );
}

```

The last task I had given was to make buttons for increasing and decreasing fonts to do that I used below html codes and JavaScript codes

```

<h2>All Products</h2>
<button type="button" class="fontbutton" onclick="myFunction1()">increase </button>
<button type="button" class="fontbutton" onclick="myFunction2()">dicrease</button>

```

```

<script>

  function myFunction1() {
    document.body.style.fontSize = "x-large";
  }

  function myFunction2() {
    document.body.style.fontSize = "xx-small";
  }

</script>

```

Roshen Hasangha : Student 04

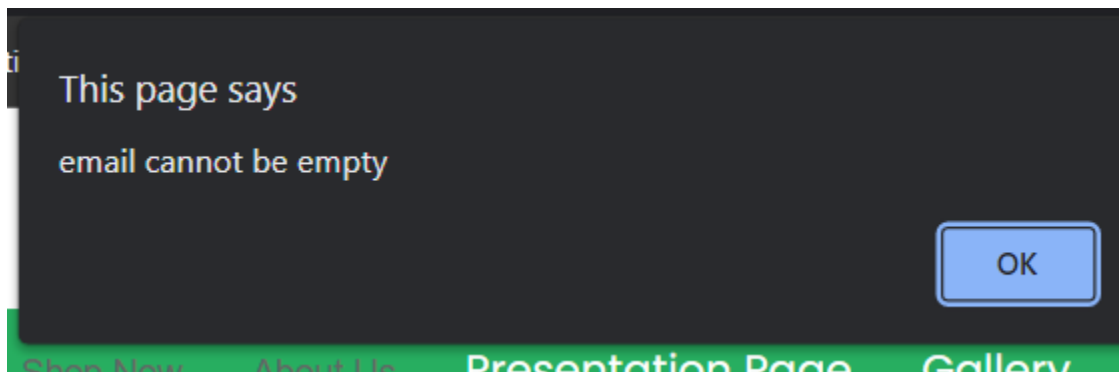
The functionalities I handled was the newsletter subscription and changing color of the webpage with the use of the pull-down menu and creating a previous purchases page using XML.

When attempting to construct the newsletter subscription I found it was rather difficult validate the user's email. However, with some research as able to find the appropriate pattern which could be used to validate emails. The code below is the JavaScript function I used to validate the user's email.

```
function newsLetter()
{
    let x =document.getElementById("fullname").value;
    let y = document.getElementById("Email").value;

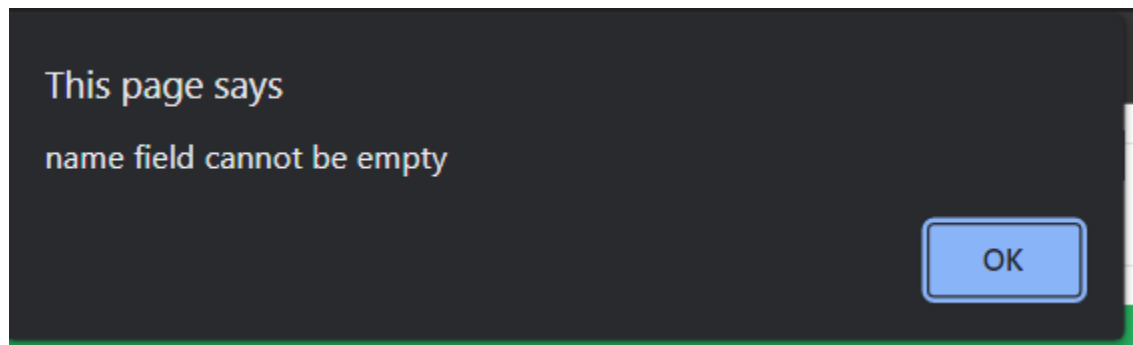
    let regx = /^[a-zA-Z0-9\._]+@([a-zA-Z0-9])+.([a-z]+)(.[a-z]+)?$/

    else if(y == ""){
        alert("email cannot be empty");
    }
}
```



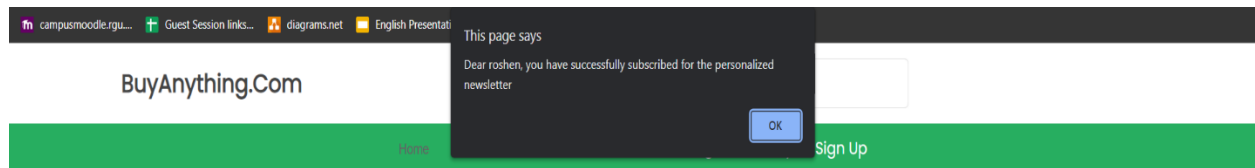
This is the code I used to check whether the username input isn't null.

```
else if(x == ""){
    alert("name field cannot be empty");
}
```

The next step was to ensure that when both fields are not empty and valid it should display a message stating the form is submitted

```
if(x != "" && regx.test(y))
{
    alert("Dear " + x + ", you have successfully subscribed for the personalized newsletter")
}
```



Subscribe For Personalized Newsletter

Name : Roshen

Email : Hasangharoshen123@Gmail.Com

Submit

Next, I had to create a previous purchases page. In order to create the page, we had to create a xml file to store data.

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <OrderList>
3   <item>
4     <order>00010</order>
5     <date>2021-05-25 00:12</date>
6     <product>leather belt</product>
7     <price>Rs.5,000</price>
8     <quantity>1</quantity>
9     <total>Rs.5,000</total>
10
11   </item>
12
13   <item>
14     <details>10017</details>
15     <details>2020-08-25 10:12</details>
16     <details>Blue Trouser</details>
17     <details>Rs.10,000</details>
18     <details>2</details>
19     <details>Rs.20,000</details>
20
21   </item>
22
23   <item>
24     <details>23045</details>
25     <details>2021-08-21 05:31</details>
26     <details>levis denim shirt</details>
27     <details>Rs.15,000</details>
28     <details>1</details>
29     <details>Rs.15,000</details>
30
31   </item>
32
33   <item>
34     <details>2019-08-12 05:12</details>
35     <details>ladys skirt</details>
36     <details>Rs.5,000</details>
37     <details>1</details>
38     <details>Rs.5,000</details>
39
40   </item>
41   <item>
42     <details>56111</details>
43     <details>2020-11-16 09:19</details>
44     <details>orange regular fit denim</details>
45     <details>Rs.10,000</details>
46     <details>1</details>
47     <details>Rs.10,000</details>
48
49   </item>
50   <item>
51     <details>00810</details>
52     <details>2021-10-23 12:07</details>
53     <details>men long sleeves tshirt</details>
54     <details>Rs.5,500</details>
55     <details>2</details>
56     <details>Rs.11,000</details>
57
58   </item>
59   <item>
60     <details>92010</details>
61     <details>2021-01-24 01:50</details>
62     <details>Apple iwatch series 7</details>
63     <details>Rs.219,900</details>
64     <details>1</details>
65     <details>Rs.219,000</details>
66
67   </item>
68
69 </OrderList>

```

```

<details>2019-08-12 05:12</details>
<details>ladys skirt</details>
<details>Rs.5,000</details>
<details>1</details>
<details>Rs.5,000</details>

</item>
<item>
  <details>56111</details>
  <details>2020-11-16 09:19</details>
  <details>orange regular fit denim</details>
  <details>Rs.10,000</details>
  <details>1</details>
  <details>Rs.10,000</details>

</item>
<item>
  <details>00810</details>
  <details>2021-10-23 12:07</details>
  <details>men long sleeves tshirt</details>
  <details>Rs.5,500</details>
  <details>2</details>
  <details>Rs.11,000</details>

</item>
<item>
  <details>92010</details>
  <details>2021-01-24 01:50</details>
  <details>Apple iwatch series 7</details>
  <details>Rs.219,900</details>
  <details>1</details>
  <details>Rs.219,000</details>

</item>

</OrderList>

```

```

        <details>00810</details>
        <details>2021-10-23 12:07</details>
        <details>men long sleeves tshirt</details>
        <details>Rs.5,500</details>
        <details>2</details>
        <details>Rs.11,000</details>

    </item>
    <item>
        <details>92010</details>
        <details>2021-01-24 01:50</details>
        <details>Apple iwatch series 7</details>
        <details>Rs.219,900</details>
        <details>1</details>
        <details>Rs.219,000</details>

    </item>

</OrderList>

```

In order to display this XML file in HTML I used JavaScript.

```

function displayXML()
{
    var txt, parser, xmlDoc;
    txt = "<OrderList><item><details>00010</details><details>2021-05-25 00:12</details><details>leather belt</details><details>Rs.5000</details><details>1</details><detail>
    <item><details>10017</details><details>2020-08-25 10:12</details><details>blue Trousers</details><details>Rs.10,000</details><details>2</details><details>Rs.20,00<
    <item><details>23045</details><details>2021-08-21 05:31</details><details>levis denim shirt</details><details>Rs.15,000</details><details>1</details><details>Rs.
    <item><details>05019</details><details>2021-05-02 03:12</details><details>Hershey t shirt</details><details>Rs.4,000</details><details>2</details><details>Rs.8,
    <item><details>60417</details><details>2020-12-23 08:42</details><details>levis slim fit denim</details><details>Rs.12,000</details><details>1</details><details><details>
    <item><details>32010</details><details>2021-05-25 05:12</details><details>adidas sweatpant</details><details>Rs.15,000</details><details>1</details><details>Rs.1
    <item><details>45310</details><details>2019-08-12 05:12</details><details>ladys skirt</details><details>Rs.5,000</details><details>1</details><details>Rs.5,000</
    <item><details>56111</details><details>2020-11-16 09:19</details><details>orange regular fit denim</details><details>Rs.10,000</details><details>1</details><detail>
    <item><details>00810</details><details>2021-10-23 12:07</details><details>men long sleeves tshirt</details><details>Rs.5,500</details><details>2</details><detail>
    <item><details>92010</details><details>2021-01-24 01:50</details><details>Apple iwatch series 7</details><details>Rs.219,000</details><details>1</details><detail>

</OrderList>"

    parser = new DOMParser();
    xmlDoc = parser.parseFromString(txt,"text/xml");
    for(var i = 0; i <68; i++)
    {
        document.getElementsByTagName("p")[i+0].innerHTML = xmlDoc.getElementsByTagName("details")[i].childNodes[0].nodeValue;
    }
}

```


Previous purchases page:

BuyAnything.Com

Home
Shop Now
About Us
Presentation Page
Gallery
Sign Up

Background Color : Pink
Font Color : Pink

PURCHASED



Item :
Price :
Quantity :
Total :


Leather Belt
Rs.5000
1
Rs.5000

Add To Cart

Order Id :
Ordered Date :

00010
2021-05-25 00:12

PURCHASED



Item :
Price :
Quantity :
Total :


Blue Trousers
Rs.10,000
2
Rs.10,000

Add To Cart

Order Id :
Ordered Date :

10017
2020-08-25 10:12

PURCHASED



Item :
Price :
Quantity :
Total :


Blue Denim Shirt
Rs.15,000
1
Rs.15,000

Add To Cart

Order Id :
Ordered Date :

23045
2021-08-21 05:31

PURCHASED



Item :
Price :
Quantity :
Total :


Hershey T-Shirt
Rs.4,000
2
Rs.8,000

Add To Cart

Ordered Date :

2021-05-02 03:12

PURCHASED



Item :
Price :
Quantity :
Total :







Levi's Slim Fit Denim
Rs.12,000
1
Rs.12,000

Add To Cart

Order Id :
Ordered Date :

60417
2020-12-23 08:42

shutterstock.com · 217044217

PURCHASED		Ordered Date : 2021-05-20 05:12	
	Item : Price : Quantity : Total :	Adidas Sweatpant Rs.15,000 1 Rs.15,000	Add To Cart
PURCHASED		Order Id : 45310 Ordered Date : 2019-08-12 05:12	
	Item : Price : Quantity : Total :	Ladys Skirt Rs.5,000 1 Rs.5,000	Add To Cart
		Order Id : 56111	
	Item : Price : Quantity : Total :	Orange Regular Fit Denim Rs.10,000 1 Rs.10,000	Add To Cart
PURCHASED		Order Id : 00810 Ordered Date : 2021-10-23 12:07	
	Item : Price : Quantity : Total :	Men Long Sleeves Tshirt Rs.5,500 2 Rs.11,000	Add To Cart
PURCHASED		Order Id : 92010 Ordered Date : 2021-01-24 01:50	
	Item : Price : Quantity : Total :	Men Long Sleeves Tshirt Rs.5,500 2 Rs.11,000	Add To Cart
PURCHASED		Order Id : 92010 Ordered Date : 2021-01-24 01:50	
	Item : Price : Quantity : Total :	Apple Iwatch Series 7 Rs.219,000 1 Rs.219,000	Add To Cart
Editor Page			

The next task was to give the user the option to change the colour of the background and the font color. Because of the specification I had to construct a pulldown menu to provide this functionality.

The code below is the code used to create the pulldown menu.

```
<header>
  <div class="header_tag">
    <div class="select1">
      <label for="selector_1"><Strong>Background color :</Strong></label>
      <select name="back_color" id="selector_1" onchange="color(this.value)">
        <option value="#D96690">Pink</option>
        <option value="#89c2d9">Blue</option>
        <option value="#A0522D">Brown</option>
        <option value="#00cc44">Green</option>
        <option value="#ffffff">white</option>
      </select>
    </div>

    <div class="select2">
      <label for="selector_2"><Strong>Font color :</Strong></label>
      <select name="font_color" id="selector_2" onchange="changeFontColor(this)">
        <option value="#D96690" >Pink</option>
        <option value="#89c2d9" >Blue</option>
        <option value="#A0522D" >Brown</option>
        <option value="#00cc44" >Green</option>
        <option value="#8800cc" >Purple</option>
      </select>
    </div>
  </div>
```

The JavaScript function to change colour.

```
function color(value)
{
  document.body.style.backgroundColor=value;
}

function changeFontColor(getFontColor){
  let leaderboard = document.querySelector('#font_cl');
  let selectFontColor = getFontColor.value;
  leaderboard.style.color = selectFontColor;
}
```


BuyAnything.Com

Search here

[Home](#) [Shop Now](#) [About Us](#) [Presentation Page](#) [Gallery](#) [Sign Up](#)

Background Color : Pink Font Color : Pink

PURCHASED



Item :
Price :
Quantity :
Total :


Leather Belt
Rs.5000
1
Rs.5000

Add To Cart

Order Id :
Ordered Date :

00010
2021-05-25 00:12

PURCHASED



Order Id :
Ordered Date :

10017
2020-08-25 10:12


BuyAnything.Com

Search here

[Home](#) [Shop Now](#) [About Us](#) [Presentation Page](#) [Gallery](#) [Sign Up](#)

Background Color : Pink Font Color : Green

PURCHASED



Item :
Price :
Quantity :
Total :


Leather Belt
Rs.5000
1
Rs.5000

Add To Cart

Order Id :
Ordered Date :

00010
2021-05-25 00:12

PURCHASED



Order Id :
Ordered Date :

10017
2020-08-25 10:12

4. Discussion of UX/UI principles/ Applications/ Justifications

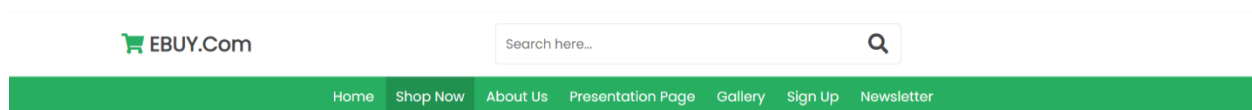
4.1 Navigation Techniques:

Navigation plays a major role in a website. It allows the user to travel through the web pages. Good navigation save time and helps to increase the user satisfaction. In most cases, the navigation bar is displayed on all pages of the website. So, our team also took measures to provide a good navigation in the website.

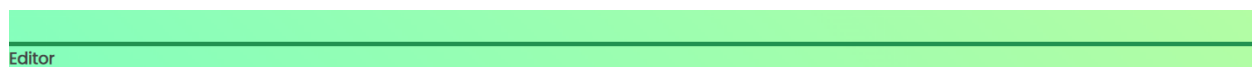
The navigation bar structure we used is a standard horizontal menu at top and we included a simple footer at the bottom. The overhead bar includes all the main features (Main page,Gallery,Shop now,Sign up,About Us) for the users. We have also included the logo at the left end of the bar. A search bar is positioned above the navigation bar to search products and services directly. We have included the links to editor's page of the respective editor of the page in footer.

We decided to use a horizontal navigation menu because it is easy to understand and use.

Header navigation bar



Footer bar



HTML CODE : FOOTER

```
<div id="editor">
  <hr id="hr" size="8" width="150%" color="#219150" />
  <a href="._editor-dilini.html"> <b>Editor</b> </a>
</div>
```


HTML CODE : NAVIGATION BAR

```
<header class="header">
  <div class="header-1">
    <a href="#" class="logo">

      <i class="fas fa-shopping-cart"></i> BuyAnything.com
    </a>

    <form action="" class="search-form">
      <input
        type="search"
        name=""
        placeholder="Search here..."
        id="search-box"
      />
      <label for="search-box" class="fas fa-search"></label>
    </form>

    <div class="icons">
      <div id="search-btn" class="fas fa-search"></div>
      <div id="login-btn" class="fas fa-user"></div>
      <a href="#" class="fas fa-bell"></a>
      <a href="#" class="fas fa-heart"></a>
      <a href="#" class="fas fa-shopping-cart"></a>
    </div>
  </div>

  <div class="header-2">
    <nav class="navbar">
      <a href="#home"><p id = "p1">Home</p></a>
      <a href="shop now"><p id = "p1">Shop Now</p></a>
      <a href="#about us"><p id = "p1">About Us</p></a>
      <a href="/Presentation.html">Presentation Page</a>
      <a href="/Gallery.html"> Gallery</a>
      <a href="/form.html"> Sign Up</a>

    </nav>
  </div>
</header>
```

4.2 Color balance/selection/consistency

We have taken measures to ensure the consistency of the web style throughout the website. Shades of green and white has been used throughout the website. The background color of the sign-up form is matched with the color of the navigation bar. A dark background is used for the sign-up form in order to enhance the visibility of the form text. White colored text is used in the sign-up form to make the text clear.

Navigation bar also consists of white colored text in a dark background to ensure good visibility for the users. White background and black color text is used to the top part of the header to provide a simpler and more elegant look to the web pages.

The logo and the name of the site is depicted in the left corner using green color and black color shades respectively in white background. The logo used is able to provide a clear idea of the website at a glance.

4.3 Color Contrast Test

With the help of our research, we were able to observe that ecommerce sites maintain a simple color scheme for their websites. Therefore, we too adopted a similar color scheme for our website which consists shades of green [rgba(57,241,118,0.686)] and white [rgb(255,255,255)].

Dark Green [rgba (14,174,87,1) 0%] – To ensure minimum eye strain while surfing the website. Specially, when filling the sign-up form.

Light Green – In color psychology, light green is mentioned as the traditional color peace, harmony, support and well-paced energy. So, we expect users are able to experience the peace of mind while surfing the website.

We have used a gradient with shades of green to our editor's page and the presentation page to provide an elegant look.

The combination used for the form page and the navigation bar provides the color contrast test as follows.

snook.ca

Colour Contrast Check

Date created: January 11, 2005

Date last modified: January 11, 2015

Foreground Colour:	Background Colour:	Results
#FFFFFF	#0EAE57	This is example text. Some of it bolded. <i>Some of it italicized.</i>
Red:	Red:	Brightness Difference: (≥ 125) <input type="text" value="138.75"/>
Green:	Green:	Colour Difference: (≥ 500) <input type="text" value="490"/>
Blue:	Blue:	Are colours compliant? <input type="text" value="sort of."/>
Hue (°)	Hue (°)	Contrast Ratio <input type="text" value="2.912"/>
Saturation (%)	Saturation (%)	WCAG 2 AA Compliant <input type="text" value="NO"/>
Value (%)	Value (%)	WCAG 2 AA Compliant (18pt+) <input type="text" value="NO"/>
		WCAG 2 AAA Compliant <input type="text" value="NO"/>
		WCAG 2 AAA Compliant (18pt+) <input type="text" value="NO"/>

4.4 Accessibility Techniques

Form Accessibility

```
<div id="name">
  <h2 class="name1">Name</h2>
  <input class="firstname" type="text" id="fname" name="fname" value="John" /><br />
  <label class="firstlabel" for="fname">First Name:</label>
  <input class="lastname" type="text" id="lname" name="lname" value="Doe" /><br />
  <label class="lastlabel" for="lname">Last name:</label>
</div>
```

Used explicit labels in the forms which are supported by Screen readers.

Text Accessibility

Grouping done using div tags and section tags.

Provided space in-between text for clear understanding.

```
<section id="pheader">
  <div class="bg">
    <div class="phead1">
      <h1>Web Technology Coursework</h1>
    </div>
    <div>
      <p>We decided to create a Ecommerce Site as our coursework</p>
    </div>
    <div class="phead2">
      <h2>Group Members</h2>
    </div>
    <div class="plist">
      <ol>
        Dineth Hasaranga
      </ol>
      <ol>
        Oshan Rathnayake
      </ol>
      <ol>
        Roshen
      </ol>
      <ol>
        Dilini
      </ol>
    </div>
  </div>
  <div>
    <hr id="hr" size="8" width="100%" color="#219150" />
    <p id="editortag"><a href="/Editors.html">Editor's Page</a></p>
  </div>
</section>
```

```

    </div>
    <div
      id="divexample"
      style="
        visibility: hidden;
        height: 150px;
        width: 250px;
        background-color: gray;
      "
    >
      Automatically
    </div>
  </div>
</section>

```

Image Accessibility:

We used alternate text for each image using the alt tag thereby if the image is unavailable the text would be displayed instead.

```

```

4.5 Typography

We took measures to preserve the font style, font size and line spacing throughout the web page.

```
font-family: "Poppins", sans-serif;
```

Font colors use were black and white.

```
color: #333;
```

```
color: #fff;
```

The alignment used throughout the website is center alignment.

```
text-align: center;
```

We used bold text and text weight options in necessary locations to provide clear text to users.

```
font-weight: bold;
```







































WAVE Web Accessibility Evaluation for the Gallery Page:

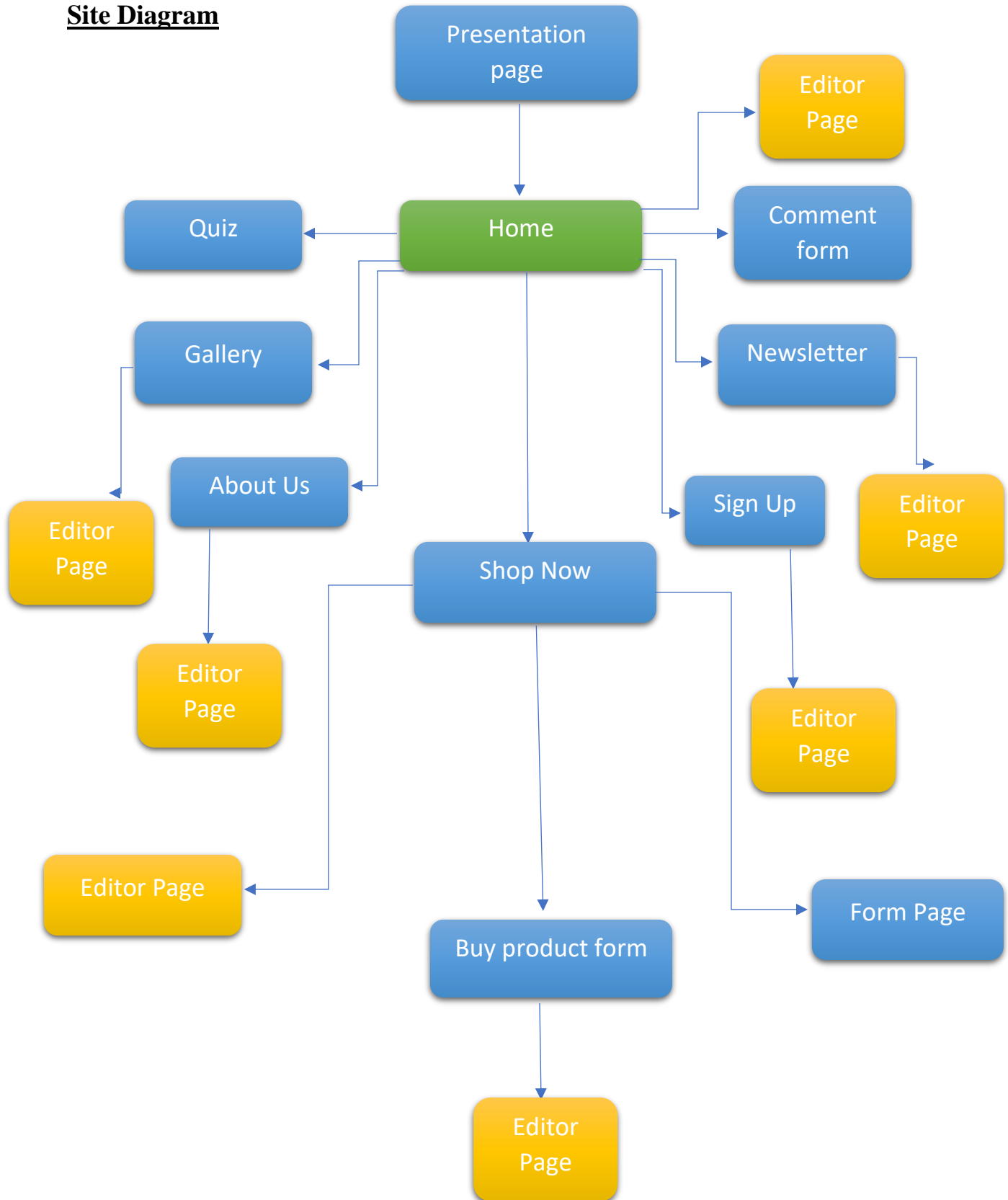
WAVE web accessibility evaluation tool
powered by [WebAIM](#)

Styles: OFF ☐ ON ☒

Details

Summary Details Reference Structure Contrast

- ✓ 11 Features
 - ✓ 10 X Alternative text
 -                                      

Site Diagram

Self-Reflection:

Dineth Hasaranga: Student 01

Our team did great job to develop the web site to the present form. We had to face numerous barriers when accomplishing our target. The main barrier was the constant power failures that prevailed in the country. Somehow our determination made us fulfill our goal.

Once the coursework was released, we got together through zoom meetings and WhatsApp calls to plan our website. This was a great experience since we were able to work together as a team. This project helped us to improve our skills related to web development as well as team work. We also learnt to manage time which is the most important. We had to face difficulties in integrating the web pages but was able to finish successfully.

Dilini Amarasinghe: Student 02

The tasks assigned to us were somewhat challenging because I and my group members never met due to the current pandemic situation. However, we were able to work together with the help of online platforms.

After the coursework was released, the team members read it carefully and chose their task. After each of us our work, we put our parts together. This project helped us to improve our skills in web technology and build additional ones too. This project helped me to learn to work as a team, to learn unknowns from others and to share knowledge.

Oshan Rathnayaka: Student 03

We conducted a Zoom meeting shortly after launching Course Work and assigned each other tasks. Working as a team was a little difficult because we had never met in person owing to the ongoing pandemic. Every Friday, though, we held a team zoom meeting where we discussed changes and cleared up any questions.

Since I had no prior programming knowledge, I had to do more self-study than everyone else. I've learned a lot from this project, but one of the most significant things I've learned is how to operate as a team. Despite power outages, we were able to complete the project.

I believe the time we spent on this project was well spent. Not only because of the academic reasons, but also because of everything we learned from this experience.

Roshen Hasangha : Student 04

The task was bit difficult due to the pandemic and some of us are living in different cities. However, with the help of WhatsApp and zoom we were able to complete the task.

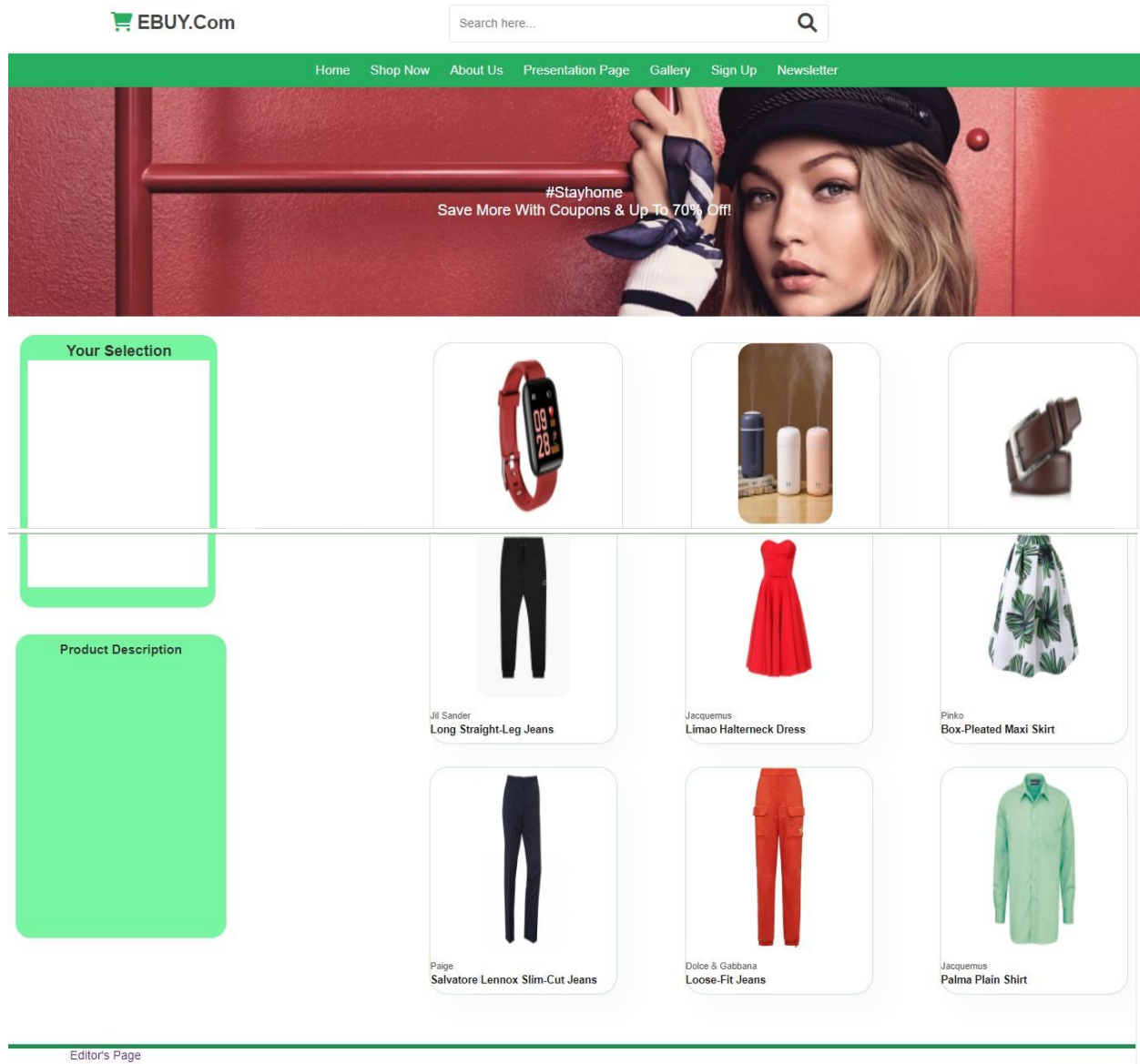
It was actually a great experience since I haven't done any web design projects before. But with research and with the help of my friends I managed to do the task in hand. Because of this project I personally learned a lot, and my teamwork skills got renewed. Therefore, being able to be a part of an experience such as this will certainly help me in the future.


REFERENCES

- W3-School tutorials on Html, CSS and JavaScript to gain the basic knowledge and practice.
- YouTube tutorials to add more functionality.
- Ecommerce websites such as Ali express, eBay and Daraz to get a knowledge of the website structure.
- GeekforGeek website to learn JavaScript further.

Appendix: Screenshots

Student 1 : Dineth





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Web Technology Coursework

We Decided To Create A Ecommerce Site As Our Coursework

Group Members

Dineth Hasaranga
 Oshan Rathnayake
 Roshen
 Dilini Amarasinghe



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Phone	<input type="text" value="+94"/>	<input type="text" value="0112843567"/>
	Area Code	Phone Number
User Preference	<input type="text" value="Fashion"/> <input type="text" value="Electronics"/> <input type="text" value="Food Items"/>	
	<input type="text" value="Kids Wear"/> <input type="text" value="Kitchen Equipments"/> <input type="text" value="Flour Products"/>	
Results Per Page	<input type="text" value="5"/>	



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My Name Is Dineth Hasaranga.

I Am An Undergraduate Student At Informatics Institute Of Technology.

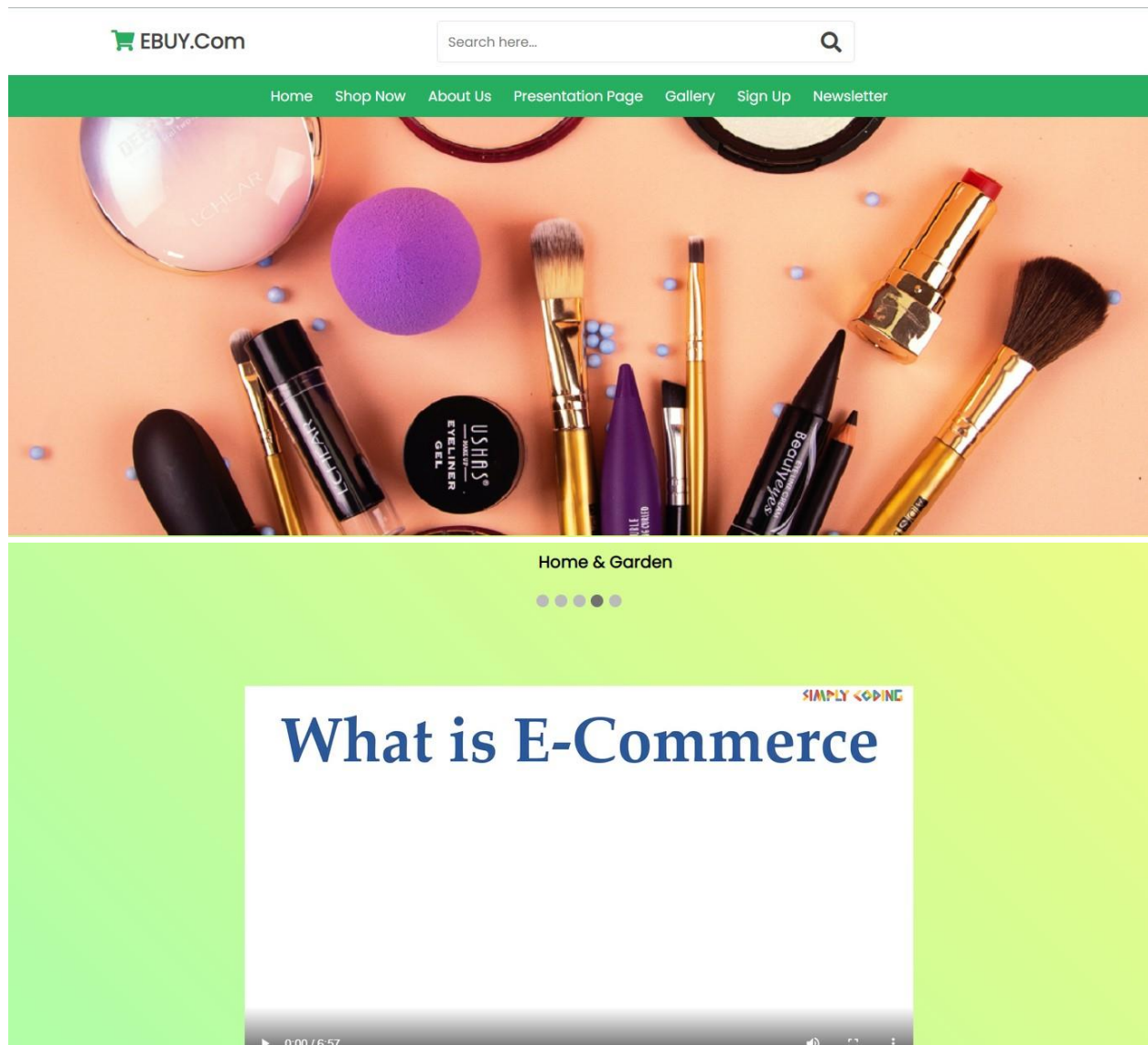
My Field Of Study Is Artificial Intelligence And Data Sience.

Though I Study Data Science, Web Development Is My Passion.I Have Been Working As A Freelance Web Developer Since 2019 And Achieved Many Milestones As A Web Developer.

You Could Conatct Me Through My Official Whatsapp No - 0768242704 For Your Requirements



Student 02 : Dilini



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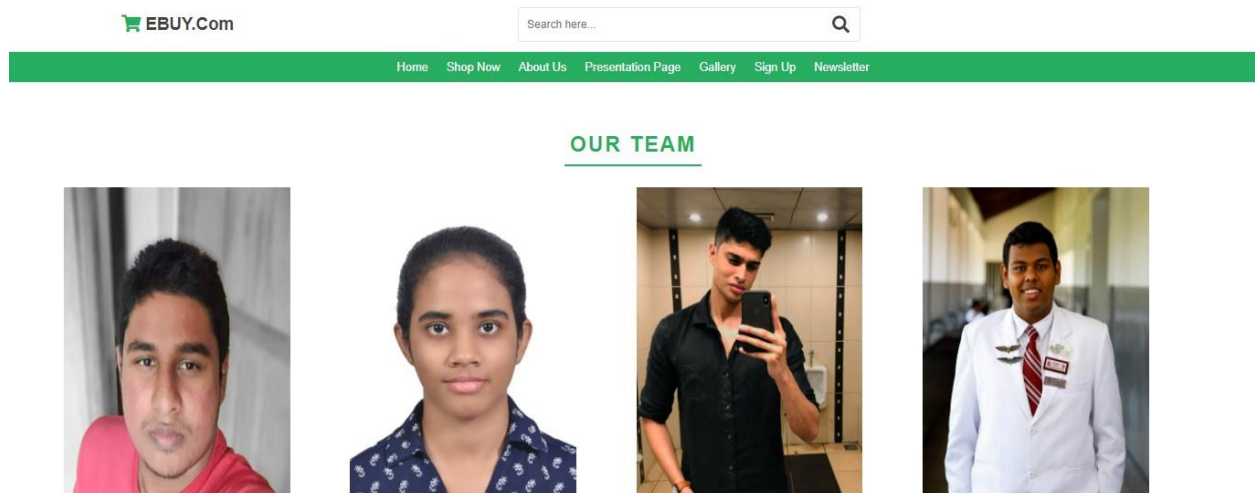

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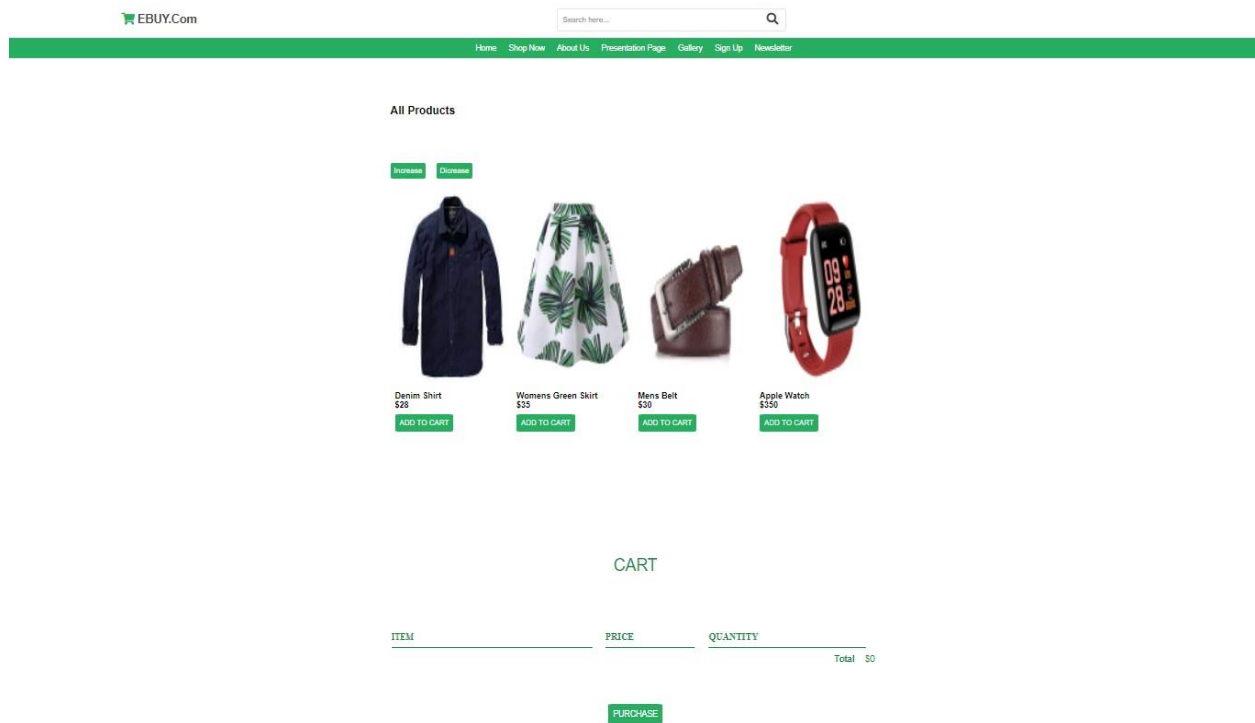
My Name Is Dilini Amarasinghe. I Am An Undergraduate Student At Informatics Institute Of Technology. My Field Of Study Is Artificial Intelligence And Data Science. Web Designing Isn't My Passion But I Like To Create Websites In My Free Times. You Could Contact Me Through My Official Whatsapp No - 0764539268 For Your Requirements




Student 03 : Oshan



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My Name Is Oshan Rathnayaka.

I Am An Undergraduate Student At Informatics Institute Of Technology.



My Field Of Study Is Artificial Intelligence And Data Sience.

Web Development Has Been My Greatest Passion .I Have Worked As A Freelance Web Developer On Fiver,Upwork And Freaalacnig.Com.I Have Exeperiance In Web Development More Than 5 Years.

You Could Conatct Me Through My Official Whatsapp No - 0778316734 For Your Requirements



Student 04 : Roshen



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Background Color : Pink		Font Color : Pink			
PURCHASED		Order Id : 00010 Ordered Date : 2021-05-25 00:12			
	Item : Price : Quantity : Total :	Leather Belt Rs.5000 1 Rs.5000	Add To Cart		
PURCHASED		Order Id : 10017 Ordered Date : 2020-06-25 10:12			
	Item : Price : Quantity : Total :	Blue Trousers Rs.10,000 2 Rs.10,000	Add To Cart		
		Item : Price : Quantity : Total :	Levi's Denim Shirt Rs.15,000 1 Rs.15,000	Add To Cart	
PURCHASED		Order Id : 60019 Ordered Date : 2021-06-02 03:12			
	Item : Price : Quantity : Total :	Hershey T-Shirt Rs.4,000 2 Rs.8,000	Add To Cart		
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	Item : Price : Quantity : Total :	Levi's Slim Fit Denim Rs.12,000 1 Rs.12,000	Add To Cart		
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Item :
Price :
Quantity :
Total :

Adidas Sweatpant
Rs.15,000
1
Rs.15,000

Add to Cart

PURCHASED

Order Id : 45310
Ordered Date : 2019-09-12 05:12



Item :
Price :
Quantity :
Total :

Lady's Skirt
Rs.5,000
1
Rs.5,000

Add to Cart

PURCHASED

Order Id : 56111
Ordered Date : 2020-11-16 09:19



Item :
Price :
Quantity :
Total :

Orange Regular Fit Denim
Rs.10,000
1
Rs.10,000

Add to Cart

Total : Rs.10,000

PURCHASED

Order Id : 00810
Ordered Date : 2021-10-23 12:07



Item :
Price :
Quantity :
Total :

Men Long Sleeves Tshirt
Rs.5,500
2
Rs.11,000

Add to Cart

PURCHASED



Order Id : 92010
Ordered Date : 2021-01-24 01:50



Item :
Price :
Quantity :
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Apple Iwatch Series 7
Rs.219,000
1
Rs.219,000

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My Name Is Roshen Hasangha.

Hi I'm Currently Learning Artificial Intelligence And Data Science At Infomatic Institute Of Technology. Although Web Designing Isn't My Passion But Still I Like To Create Websites For Fun.

For Any Advice Or Inquiry Please Contact: 0769436363

