

Total marks:
_____ /100
_____ /20%

Marking Rubrics				
Group name	Stationery Stash Online Shop			
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Criteria	Poor	Below Average	Average	Good	Excellent	Marks
Construct static web pages <i>(30 marks)</i> [CO1]	0-6 Little or no understanding of HTML and CSS; pages lack structure and design; visual elements are poorly aligned and unattractive.	7-12 Basic understanding of HTML and CSS; pages are mostly structured and visually appealing, but with some issues.	13-18 Good understanding of HTML and CSS; pages are well-structured and visually appealing, with some minor improvements possible.	19-24 Excellent understanding of HTML and CSS; pages are highly structured and visually appealing, with a clear understanding of design principles.	25-30 Exceptional understanding of HTML and CSS; pages are expertly structured and visually stunning, with a mastery of design principles.	
Build dynamic web pages using event-driven client-side scripts <i>(30 marks)</i> [CO2]	0-6 Little or no understanding of client-side scripting languages; pages are static and lack interactivity.	7-12 Basic understanding of client-side scripting languages; pages have some interactivity and respond to user input, but with some issues.	13-18 Good understanding of client-side scripting languages; pages are highly interactive and respond well to user input, with minor improvements possible.	19-24 Excellent understanding of client-side scripting languages; pages are very interactive and highly responsive to user input, with a clear understanding of event-driven programming techniques.	25-30 Exceptional understanding of client-side scripting languages; pages are expertly interactive and highly responsive to user input, with a mastery of event-driven programming techniques.	
Develop server-side and database-driven web applications <i>(40 marks)</i> [CO3]	0-8 Little or no understanding of server-side scripting languages and databases; web applications are non-functional, insecure, and not scalable.	9-16 Basic understanding of server-side scripting languages and databases; web applications are functional, but with some security and scalability issues.	17-24 Good understanding of server-side scripting languages and databases; web applications are functional, secure, and scalable, with some minor improvements possible.	25-32 Excellent understanding of server-side scripting languages and databases; web applications are highly functional, secure, and scalable, with a clear understanding of validation and error-handling mechanisms.	33-40 Exceptional understanding of server-side scripting languages and databases; web applications are expertly functional, secure, and scalable, with a mastery of validation and error-handling mechanisms.	
TOTAL						

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1.0 Introduction

In this assignment, our website is called “Stationery Stash Online Shop”, which is a website that provides service as an online stationery store for users to view and add our products provided into the cart. Furthermore, users can create an account, login, add items to their cart, and contact the store through the website.

Our home page is designed for users to view our content and features. The navigation bar is for users to quickly access different pages for our website such as direct links to the shop, and users can go to the about us page and the contact us page by navigation bar, then also be able to link to the page for the users to login to their account to add the product to their cart, which lastly is to directly view what products they have added to the cart.

The footer bar of the web page is divided into four parts: “Account Details”, “Quick link”, “Contact Us” and “Find Us on”. For the part of “Account Details”, it contains the link to important pages that can allow users to easily and quickly access to different pages such as the homepage, about us page and cart page. The footer bar provides links to the login page, create account page and contact page under the “Quick Link” sections. The footer typically includes contact details such as email addresses of the store and phone number which can let users contact the store by phone, WhatsApp or email under the “Contact Us” part. The footer bar also contains the link to the website, and the social media profiles that allow users to follow the social media of the store like Facebook, X (also known as Twitter), LinkedIn, and Instagram. The footer also includes copyright information to indicate ownership of the website’s content and design. It states that the content of the website is protected by copyright law and specifies the entity that owns the rights.

On our homepage, we use the carousel to feature our announcement and some new updates or promotion activities about our store. Then, a list of all products is shown after the promo carousel section. We have listed out the name of products, image of products and the price of it.

A navigation menu and footer bar are provided on each page of the website which is also briefly mentioned above. It allows users to access the main page of our website which is efficient. Users can redirect back to the homepage by not only clicking “Home” on the navigation bar or footer bar but also our logo image and name of the shop beside the logo. Users can access the shop homepage to view all products. Users can also view

the about page by clicking “About Us” on the navigation bar or footer bar to learn about our store. The about page also provides the information about the company that are address, email address and phone number.

Users can quickly access the contact page by clicking “Contact Us” on the footer bar or clicking “Contact” on the navigation bar. This page can let users give some feedback or inquiry to our store by submitting some personal information (name and email only).

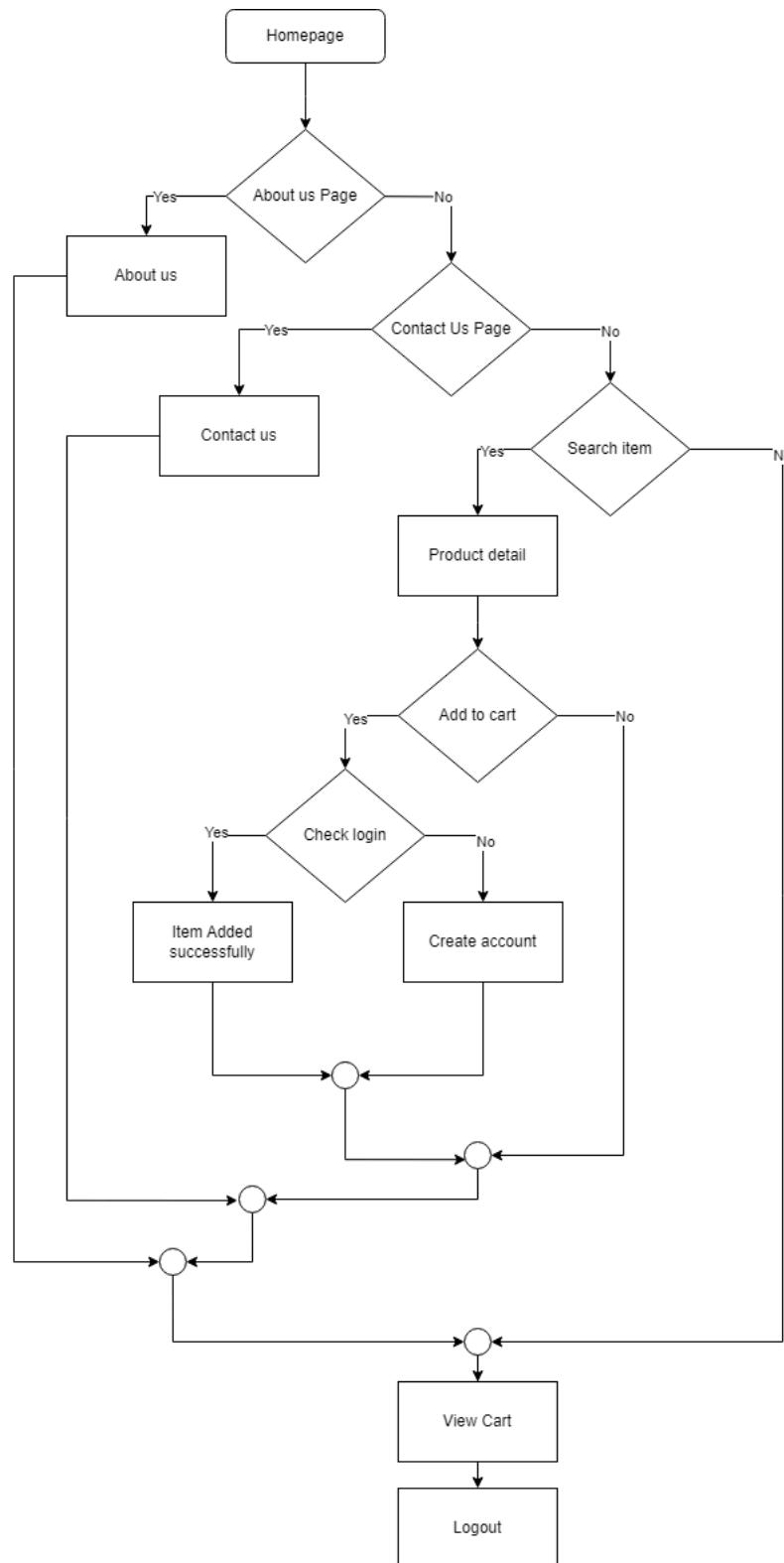
Furthermore, if the user chooses and clicks the image of the product or the name of the product, the page will turn to the product details page. In this page, users can view the image of the product, the name of the product, the description and the price of the product. If the user likes or wants to buy the product, users can add it to the shopping cart on this page.

Upon reaching the shopping cart page, users are redirected to the login page and requested to log in if they haven’t already. This ensures that their cart items are linked to their account and kept in the database. If users don’t have an account, they need to create one to access the shopping cart and other features. Users need to provide their email and password on the account creation page. Upon submission, the website validates the input and ensures the email is unique. The website checks if the provided email already exists in the database. If not, it will store the new user’s information in the database.

After login, users can add items to their carts by browsing the product details pages and choosing the desired quantity for each item. Users can also change an item’s amount and remove an item they no longer want from the shopping cart page. To give credit to the developer, these two buttons would need to be accessed over the internet. The total price of all items in the cart is also dynamically calculated and shown on the cart page.

Last but not least, our group objectives for this assignment is to create a website that provides users with a range of services, which included creating a homepage that provided an overview of the website’s content and features and displayed a list of products, a navigation menu that allowed users to access all pages on the website, a about page that included the basic information and contact information, a contact page that included a contact or feedback form, a page allowed users to create an account if they were not members of this online shop, a page that allow users to login and logout, a page that allowed users to view details about a product and add it to their cart.

2.0 Flowchart



3.0 Detailed Explanation and Implementation of Code

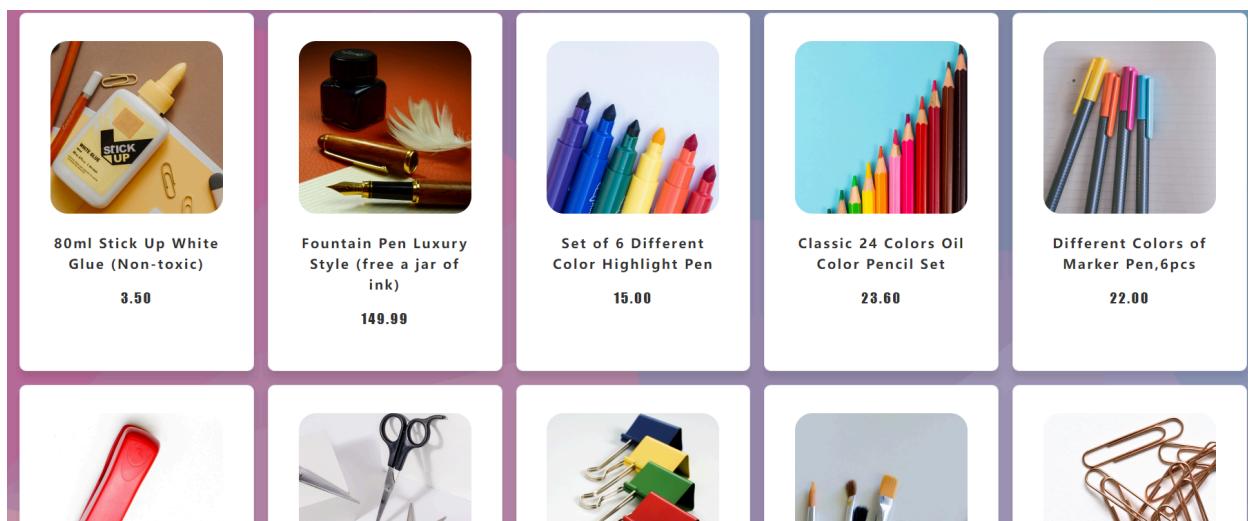
- When users click the home button on the navigation bar, logo icon or the store name.



- It directs to the homepage containing advertisements as scrollable carousel and products as grid.



- When scroll down the homepage, users can see the product page.



4. When users click on the product, it will directly enter the product details page.



5. Users can select the desired quantity of items to add into their shopping cart.



6. If a user who is not logged in adds items to the shopping cart, it will jump to the page prompting the user to log in.

Please [log in](#) first.

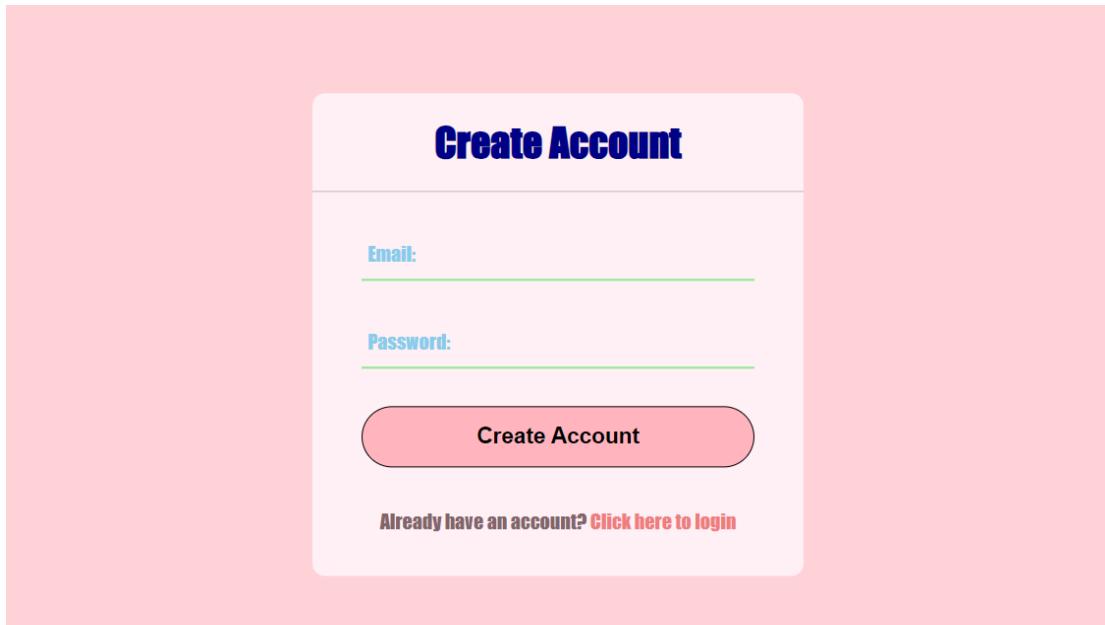
7. If a user who is not logged in clicks on the shopping cart on the navigation bar, it will jump to the page prompting the user to log in.



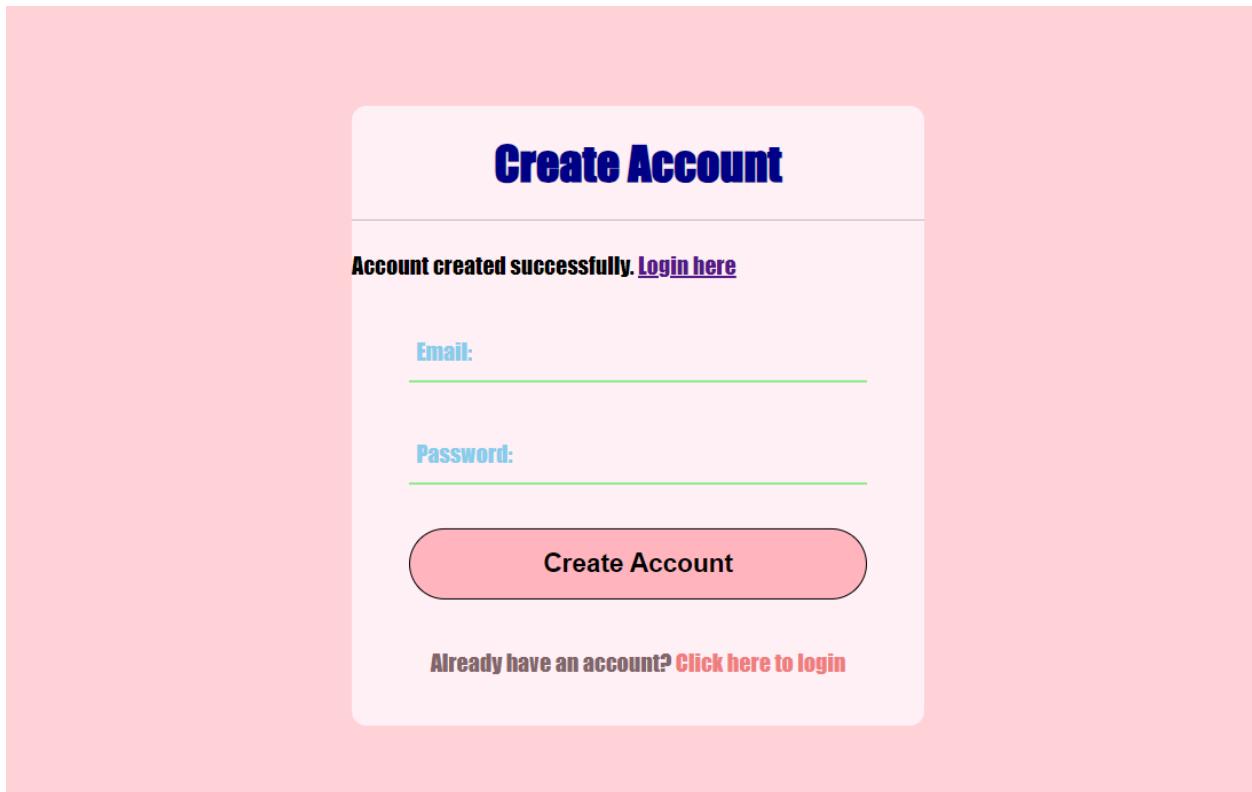
8. When the user clicks the log in, it will jump to the login page. Users can enter their email address and password to log in. If the user does not have an account, he can click “Create an account” below to create a new account.

A screenshot of a login form. The form is contained within a white rounded rectangle on a pink background. At the top center, the word 'Login' is displayed in a large, bold, blue font. Below this, there are two input fields: one for 'Email' with a light blue placeholder and another for 'Password' with a light blue placeholder. At the bottom of the form is a large, rounded rectangular button with the word 'Login' in white. Below the button, there is a small block of text in red: 'Not a member? [Create an account](#)', 'Already Login [Go To Home Page](#)', and '[Logout](#)'. The entire form is set against a pink background.

9. To create a new account, users also need to provide a proper email address and password.



10. When the user successfully created an account, there will be a message prompt. Users need to log in to browse other features.



11. Users can browse the shopping carts upon logging in successfully.

Stationery Stash Online Shop

Home About Us Contact Search... Sign in 7

Shopping Carts 🛒

Products	Quantity	Price
Mixed Color Colorful Crayon,12pcs in 1 box	1	RM 9.90
Paper Clips Multicolor 450pcs for Office School Supplies	6	RM 4.30
		Total Price: RM 35.7

Account Detail Quick Link Contact Us Find Us On

12. Users are able to add the quantity of items in the cart. It prompts a message reminding the user to click once on the shopping cart to see the quantity of newly added items.

Stationery Stash Online Shop

Home About Us Contact Search... Sign in 7

Shopping Carts 🛒

Products	Quantity	Price
Mixed Color Colorful Crayon,12pcs in 1 box	1	RM 9.90
Paper Clips Multicolor 450pcs for Office School Supplies	6	RM 4.30
		Total Price: RM 35.7

Quantity updated successful. Click on cart to view changes!

13. Users are also able to delete the item they no longer want to buy by clicking the ‘Trash’ button. It prompts a message reminding the user to click once on the shopping cart to see the updated shopping cart.

Stationery Stash Online Shop

Shopping Carts

Products	Quantity	Price
Mixed Color Colorful Crayon,12pcs in 1 box	2	RM 9.90
Paper Clips Multicolor 450pcs for Office School Supplies	6	RM 4.30

Total Price: RM 45.6

Product deletion successful. Click on cart to view changes!

Stationery Stash Online Shop

Shopping Carts

Products	Quantity	Price
Mixed Color Colorful Crayon,12pcs in 1 box	2	RM 9.90

Total Price: RM 19.8

Account Detail

- Home
- About us
- Cart

Quick Link

- Create Account
- Login
- Contact us

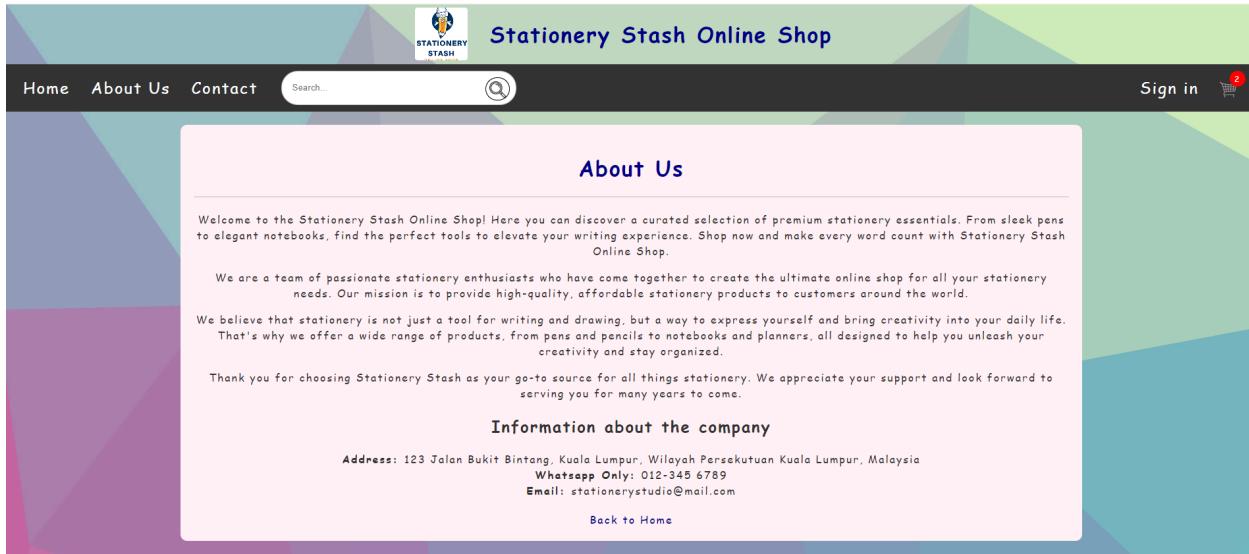
Contact Us

E-MAIL: stationerystudio@mail.com
CONTACT NO: +6012- 345 6789

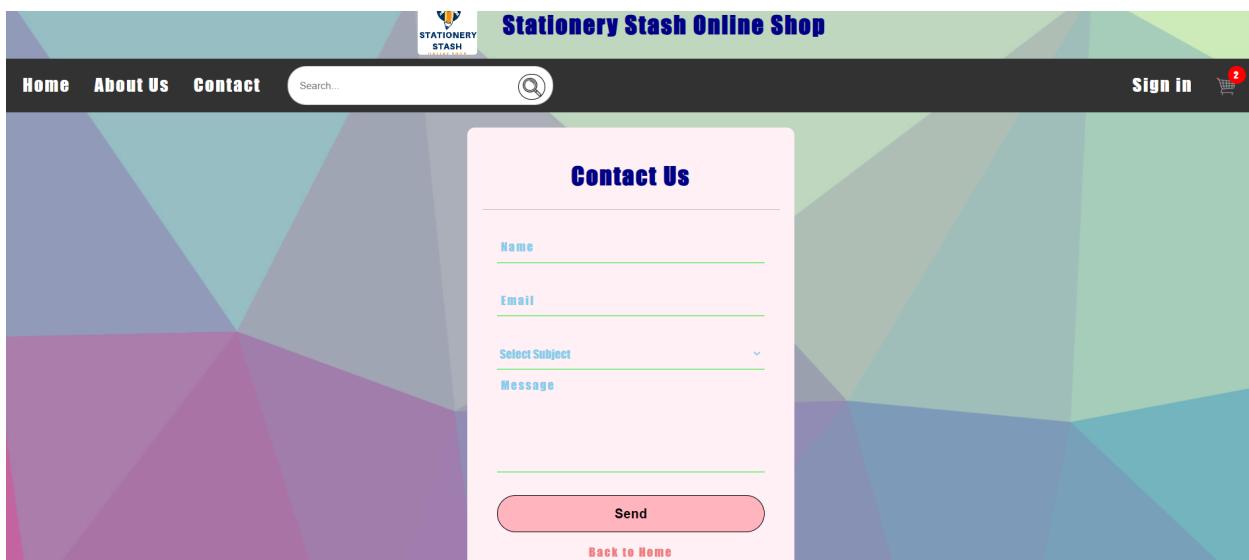
Find Us On

WEBSITE:
<https://www.stationerystash.com/>

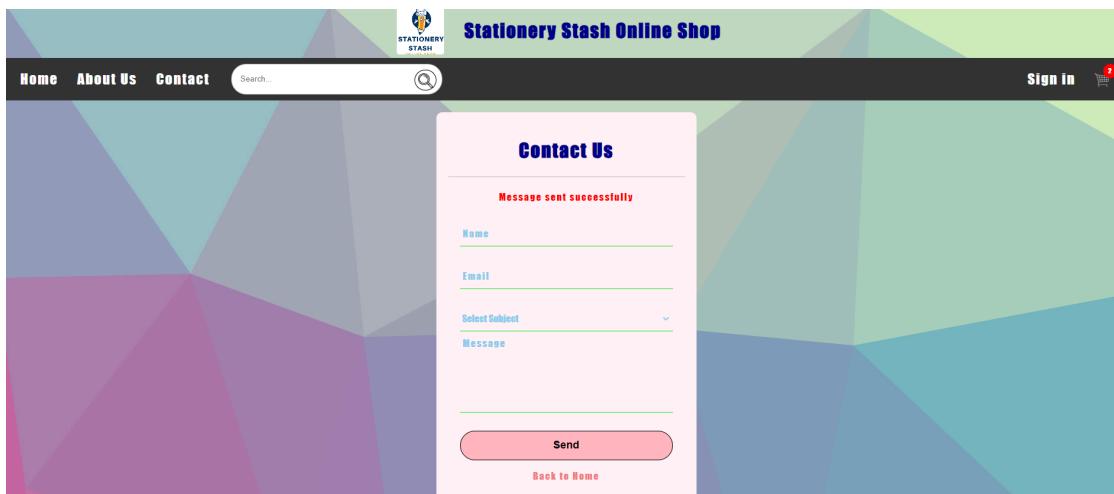
14. When the user clicks on the ‘About Us’ on the navigation bar, it will jump to a page about our company profile and information. Users also can go back to the homepage by clicking the link provided below.



15. When the user clicks on the ‘Contact’ on the navigation bar, it will jump to a page where they can send us a message.



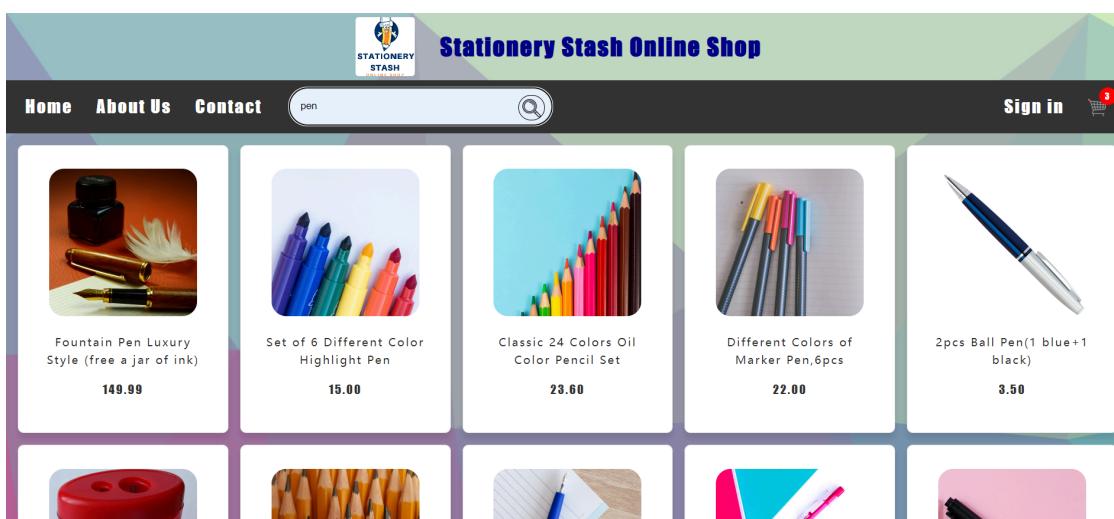
16. After the message is sent successfully, a prompt message will appear.



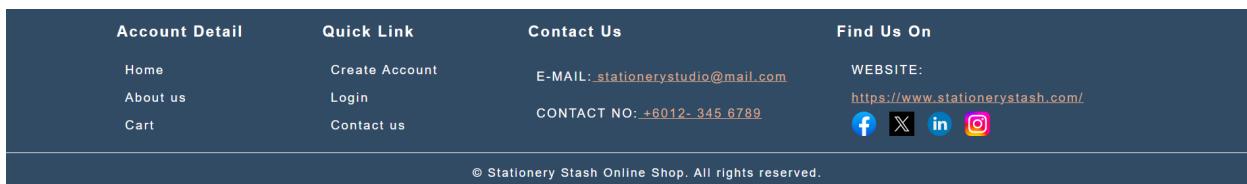
17. The search bar on navigation bar allows the users to enter relevant words for the items they are looking for.



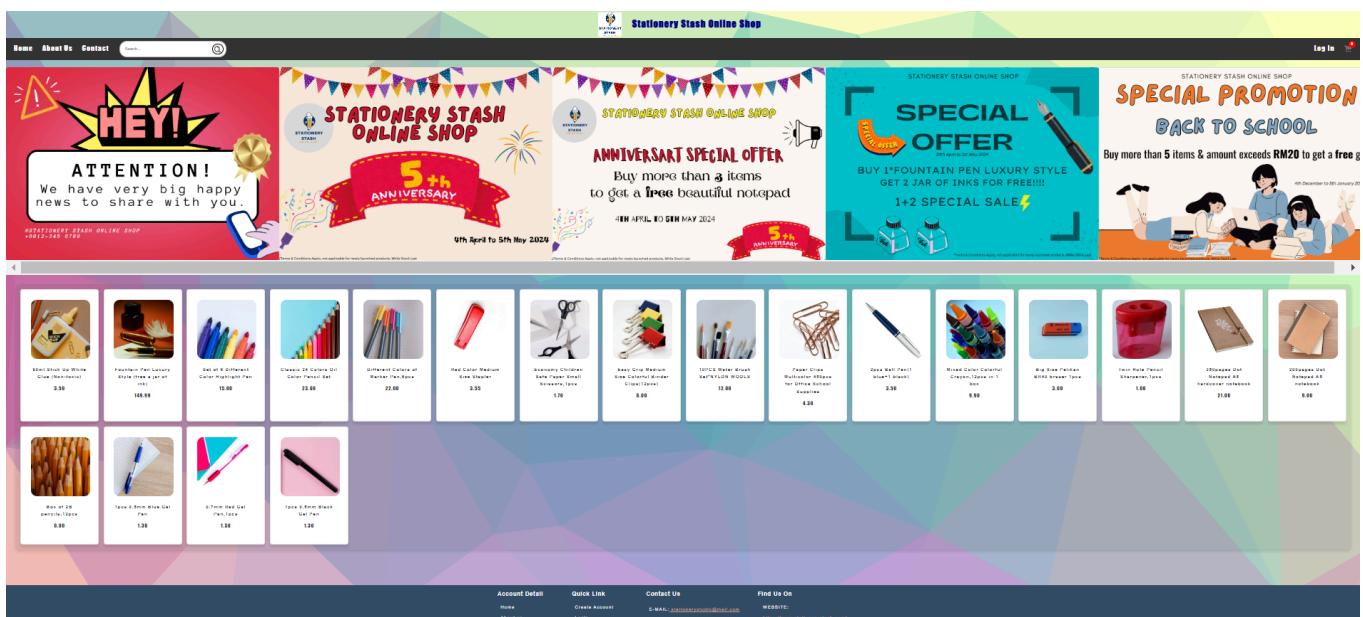
18. For example, when users typed the word 'pen'. It filters and only displays items about pens.



19. As users scroll down each page, they will see a footer with contact information about our company, shortcut keys to go to any pages and other information.



20. The webpage is also designed to be responsive when the user zooms in or out, and the products are displayed properly.



4.0 Code Snippets

4.1 about.php

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Stationery Stash Online Shop</title>
    <link rel="stylesheet" href="mystyle.css">
    <style>
        .about-container {
            width: 70%;
            background-color: lavenderblush;
            border-radius: 10px;
            padding: 20px;
            text-align: center;
            margin: auto;
            margin-top: 20px;
        }

        .about-container h1 {
            text-align: center;
            padding: 0 0 20px 0;
            color: darkblue;
            border-bottom: 1px solid silver;
        }

        .about-container p {
            text-align: center;
        }

        .link a {
            display: block;
            text-align: center;
            margin-top: 20px;
            color: darkblue;
            text-decoration: none;
        }
    </style>
</head>
```

```
<body>
<?php include('header.php'); ?>
<?php include('navigation.php'); ?>
<div class="about-container">
    <h1>About Us</h1>
    <p>Welcome to the Stationery Stash Online Shop! Here you can
discover a curated selection of premium stationery essentials. From sleek
pens to elegant notebooks, find the perfect tools to elevate your writing
experience. Shop now and make every word count with Stationery Stash
Online Shop.</p>
    <p>We are a team of passionate stationery enthusiasts who have
come together to create the ultimate online shop for all your stationery
needs. Our mission is to provide high-quality, affordable stationery
products to customers around the world.</p>
    <p>We believe that stationery is not just a tool for writing and
drawing, but a way to express yourself and bring creativity into your
daily life. That's why we offer a wide range of products, from pens and
pencils to notebooks and planners, all designed to help you unleash your
creativity and stay organized.</p>
    <p>Thank you for choosing Stationery Stash as your go-to source
for all things stationery. We appreciate your support and look forward to
serving you for many years to come.</p>
    <h2>Information about the company</h2>
    <strong>Address: </strong>123 Jalan Bukit Bintang, Kuala Lumpur,
Wilayah Persekutuan Kuala Lumpur, Malaysia<br>
    <strong>Whatsapp Only: </strong>012-345 6789<br>
    <strong>Email: </strong>stationerystudio@mail.com<br>
    <div class="link">
        <a href="index.php">Back to Home</a>
    </div>
</div>
<?php include('footer.php'); ?>
</body>
</html>
```

4.2 account.php

```
<?php
session_start();

if (!isset($_SESSION['email'])) {
    header('Location: login.php');
    exit();
} else {
    header('Location: index.php');
    exit();
}
?>
```

4.3 addtoCart.php

```
<?php
session_start();

$servername = "localhost";
$username = "root";
$password = "";
$dbname = "stationery";

$conn = mysqli_connect($servername, $username, $password, $dbname);
if (!$conn) {
    die('Connection failed: ' . mysqli_connect_error());
}

if (isset($_POST['add_to_cart'])) {
    // Retrieve user ID from the users table
    if (!isset($_SESSION['email'])) {
        echo '<p style="color: red; text-align: center;">Please <a href="login.php">log in</a> first.</p>';
        exit();
    }
    $email = $_SESSION['email'];

    // Retrieve user ID from the users table based on the email
```

```

$user_query = mysqli_query($conn, "SELECT id FROM users WHERE email =
'$email'");
if (!$user_query) {
    die('User not found.');
}

$user_data = mysqli_fetch_assoc($user_query);
$user_id = $user_data['id'];

$productID = $_GET['id'];
$product_quantity = $_POST['product_quantity'];

$check_cart_numbers = mysqli_query($conn, "SELECT * FROM `carts` WHERE
item_id = '$productID' AND user_id = '$user_id'" or die('query failed'));

// Check if the product already exists in the cart
if (mysqli_num_rows($check_cart_numbers) > 0) {
    // Product already exists, so update the quantity
    $existing_cart_item = mysqli_fetch_assoc($check_cart_numbers);
    $new_quantity = $existing_cart_item['quantity'] +
$product_quantity;

    // Update the quantity for the existing product in the cart
    mysqli_query($conn, "UPDATE `carts` SET quantity = '$new_quantity'
WHERE item_id = '$productID' AND user_id = '$user_id'" or die('query
failed'));

    $message[] = 'Quantity updated in the cart!';
} else {
    // Product does not exist, so insert a new record into the cart
    mysqli_query($conn, "INSERT INTO `carts`(user_id, item_id,
quantity) VALUES('$user_id', '$productID', '$product_quantity')" or
die('query failed'));
    $message[] = 'Product added to cart!';
}

// Include relevant file after cart manipulation
include('productDetails.php');
}
?>

```

4.4 carts.php

```
<!DOCTYPE html>
<html>
<link rel="stylesheet" href="mystyle.css">
    <?php include('header.php'); ?>
    <?php include('navigation.php'); ?>
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link href='https://unpkg.com/css.gg@2.0.0/icons/css/trash.css'
rel='stylesheet'>
    <link href='https://unpkg.com/css.gg@2.0.0/icons/css/add-r.css'
rel='stylesheet'>
<style>
    body {
        margin: 0;
        padding: 0;
        font-family: Comic Sans MS, Comic Sans, cursive;
        background-color: whitesmoke;
    }

    h1 {
        text-align: center;
        color: darkblue;
        vertical-align: middle;
    }

    .shopping-image {
        width: 35px;
    }

    .cart-container {
        padding: 10px;
        margin: auto;
        max-width: 800px;
        display: flex;
        flex-direction: column;
    }

    table {
```

```
width: 100%;  
border-collapse: collapse;  
  
}  
  
th,  
td {  
    padding: 10px;  
    text-align: left;  
    border-bottom: 1px solid #ddd;  
    text-align: center;  
}  
  
tr:nth-child(even) {  
    background-color: lemonchiffon;  
}  
  
tr:nth-child(odd) {  
    background-color: lightcyan;  
}  
  
th {  
    background-color: pink;  
}  
  
.product-image {  
    width: 20px;  
    height: auto;  
}  
  
.total-price {  
    margin-top: 20px;  
    position: absolute;  
    left: 67%;  
}  
.msg{  
    color: lightgreen;  
    text-align: center;  
    margin-top: 55px;  
}
```

```
.shopping span {  
    background-color: red;  
    border-radius: 50%;  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    color: white;  
    position: absolute;  
    top: 16px;  
    left: 59%;  
    padding: 2px 6px;  
    font-size: 12px;  
    width: 12px;  
    height: 20px;  
}  
  
.login-message {  
    color: red;  
    text-align: center;  
}  
  
.delete-button {  
    background-color: #ff5555;  
    color: white;  
    border: none;  
    padding: 8px 16px;  
    text-align: center;  
    text-decoration: none;  
    display: inline-block;  
    font-size: 14px;  
    margin: 4px 2px;  
    cursor: pointer;  
    border-radius: 4px;  
}  
.add-button {  
background: none;  
border: none;  
padding: 0;  
cursor: pointer;
```

```
        outline: none;
    }
</style>
</head>

<body>
<h1>Shopping Carts
    
</h1>

<?php
if (session_status() == PHP_SESSION_NONE) {
    session_start();
}

// Check if user is logged in
if (!isset($_SESSION['email'])) {
    echo '<p class="login-message">Please <a href="login.php">log
in</a> first.</p>';
    exit();
}

// Establish database connection
$conn = mysqli_connect('localhost', 'root', '', 'stationery');
if (!$conn) {
    die('Connection failed: ' . mysqli_connect_error());
}

// Retrieve user ID from session
$user_email = $_SESSION['email'];

// Fetch user ID from the database based on email
$query = "SELECT id FROM users WHERE email = '$user_email'";
$result = mysqli_query($conn, $query);

if (!$result || mysqli_num_rows($result) == 0) {
    echo 'User not found.';
    exit();
}
```

```

$row = mysqli_fetch_assoc($result);
$user_id = $row['id'];

$query = "SELECT carts.id, carts.quantity, products.price,
products.name, products.image
FROM carts
INNER JOIN products ON carts.item_id = products.id
WHERE carts.user_id = $user_id";
$cart_result = mysqli_query($conn, $query);

$total_price = 0;
$total_quantity = 0;

if (mysqli_num_rows($cart_result) > 0) {

    echo '<div class="cart-container">';
    echo '<table>';
    echo '<tr><th> </th><th>Products</th><th>Quantity</th><th>
</th><th>Price</th><th> </th></tr>';
    while ($cart_row = mysqli_fetch_assoc($cart_result)) {
        if ($cart_result) {
            $item_total_price = $cart_row['quantity'] *
$cart_row['price'];
            $total_price = $total_price + $item_total_price;
            $total_quantity = $total_quantity + $cart_row['quantity'];
            $image_path = htmlspecialchars($cart_row['image']);
            echo '<tr>';
            echo '<td></td>';
            echo '<td>' . $cart_row['name'] . '</td>';
            echo '<td>' . $cart_row['quantity'] . '</td>';
            echo '<td>
                <form method="post" action="">
                    <input type="hidden" name="item_id" value="' .
$cart_row['id'] . '"';
            echo ' <button type="submit" class="add-button"
name="add_item"><i class="gg-add-r"></i></button>
                </form>
            </td>';
            echo '<td>RM ' . $cart_row['price'] . '</td>';
        }
    }
}

```

```

        echo '<td><form method="post" action=""><button
type="submit" class="delete-button" name="delete_item" value="
. $cart_row['id'] . "><i
class="gg-trash"></i></button></form></td>';
    } else {
        echo "<p>Your Cart Is Empty</p>";
    }
}

echo '</tr>';
echo '</table>';
echo '</div>';
echo '<p class="total-price">Total Price: RM ' . $total_price .
'</p>';

echo '<div class="shopping">';
echo '</div>';
}

if (isset($_POST['delete_item'])) {
    $cart_item_id = $_POST['delete_item'];
    deleteRow($conn, $cart_item_id);
}

if (isset($_POST['add_item'])) {
    $cart_item_id = $_POST['item_id'];
    addQuantity($conn, $cart_item_id);
}

function deleteRow($conn, $id) {
    $sql = $conn->prepare("DELETE FROM carts WHERE id = ?");
    $sql->bind_param("i", $id);
    if ($sql->execute()) {
        echo '<p class="msg">Product deletion successful. Click on
cart to view changes!<br>';
        exit();
    } else {
        echo "Error: " . $sql->error;
    }
}

```

```

function addQuantity($conn, $id) {
    $query = "SELECT quantity FROM carts WHERE id = ?";
    $stmt = $conn->prepare($query);
    $stmt->bind_param("i", $id);
    $stmt->execute();
    $result = $stmt->get_result();

    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        $current_quantity = $row['quantity'];

        $new_quantity = $current_quantity + 1;

        $update_query = "UPDATE carts SET quantity = ? WHERE id = ?";
        $update_stmt = $conn->prepare($update_query);
        $update_stmt->bind_param("ii", $new_quantity, $id);

        if ($update_stmt->execute()) {
            echo '<p class="msg">Quantity updated successful. Click on cart to view changes!<br>';
        } else {
            echo "Error updating quantity: " . $update_stmt->error;
        }
    } else {
        echo "Record not found for ID: $id";
    }
}

mysqli_close($conn);
?>
</div>
<?php include('footer.php'); ?>
</body>
<script>
document.addEventListener("DOMContentLoaded", function() {
    var addForms = document.querySelectorAll('.add-form');

    addForms.forEach(function(form) {

```

```
        form.addEventListener('submit', function(event) {
            event.preventDefault();

            var formData = new FormData(form);
            var itemId = formData.get('item_id');

            var xhr = new XMLHttpRequest();
            xhr.open('POST', 'update_quantity.php');
            xhr.setRequestHeader('Content-Type',
'application/x-www-form-urlencoded');
            xhr.onload = function() {
                if (xhr.status === 200) {
                    var cartItem =
document.querySelector('.cart-item[data-id="' + itemId + '"]');
                    var quantityCell =
cartItem.querySelector('.quantity');
                    var newQuantity = parseInt(quantityCell.textContent) +
1;
                    quantityCell.textContent = newQuantity;
                } else {
                    console.log('Error updating quantity');
                }
            };
            xhr.send('item_id=' + itemId);
        });
    });
});
```

```
</script>
</html>
```

4.5 contact.php

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Stationery Stash Online Shop</title>
    <link rel="stylesheet" href="loginStyle.css">
    <link rel="stylesheet" href="mystyle.css">
    <style>
        body {
            overflow: visible;
        }

        .contact-container {
            margin: 20px auto;
            width: 400px;
            background-color: lavenderblush;
            border-radius: 10px;
            padding: 20px;
        }

        .contact-container h1 {
            text-align: center;
            padding: 0 0 20px 0;
            color: darkblue;
            border-bottom: 1px solid silver;
        }

        .contact-container form {
            padding: 0 20px;
            box-sizing: border-box;
        }

        .contact-container.txt_field {
            position: relative;
            border-bottom: 2px solid lightgreen;
            margin: 30px 0;
        }
```

```
}

.txt_field select {
    width: 100%;
    padding: 0;
    height: 40px;
    font-size: 16px;
    border: none;
    background: none;
    outline: none;
    color: skyblue;
    font-family: fantasy;
    letter-spacing: 2px;
}

.txt_field select option {
    color: skyblue;
}

.txt_field textarea {
    width: 100%;
    padding: 0 5px;
    height: 100px;
    font-size: 16px;
    border: none;
    background: none;
    outline: none;
    resize: none;
}

.txt_field textarea:focus+label {
    top: -30px;
    font-size: 14px;
}

</style>
</head>

<body>
<?php include('header.php'); ?>
<?php include('navigation.php'); ?>
```

```

<div class="contact-container">

    <h1>Contact Us</h1>
    <?php if (isset($error)) : ?>
        <p class="error-message"><?php echo $error; ?></p>
    <?php endif; ?>

    <?php
        if (isset($_POST['submit']) && !empty($_POST['name']) &&
        !empty($_POST['email']) && !empty($_POST['subject']) &&
        !empty($_POST['message'])) {
            $conn = mysqli_connect('localhost', 'root', '', 'stationery');

            if (!$conn) {
                die('Connection failed: ' . mysqli_connect_error());
            }

            $name = $_POST['name'] ?? '';
            $email = $_POST['email'] ?? '';
            $subject = $_POST['subject'] ?? '';
            $message = $_POST['message'] ?? '';

            $sql = "INSERT INTO contact (name, email, subject, message)
VALUES ('$name', '$email', '$subject', '$message')";

            if (mysqli_query($conn, $sql)) {
                echo "<p class='success-message'>Message sent
successfully</p>";
            } else {
                echo "Error: " . $sql . "<br>" . mysqli_error($conn);
            }
        }

        mysqli_close($conn);
    }
?>

<form action="" method="post">
    <div class="txt_field">
        <input type="text" name="name" id="name" required>
        <label for="name">Name</label>

```

```
<span></span>
</div>
<div class="txt_field">
    <input type="email" name="email" id="email" required>
    <label for="email">Email</label>
    <span></span>
</div>
<div class="txt_field">
    <select type="text" name="subject" id="subject" required>
        <option value="">Select Subject</option>
        <option value="General Inquiry">General Inquiry</option>
        <option value="Order Inquiry">Order Inquiry</option>
        <option value="Feedback">Feedback</option>
        <option value="Other">Other</option>
    </select>
    <span></span>
</div>
<div class="txt_field">
    <textarea name="message" id="message" rows="4" required></textarea>
    <label for="message" style="top: -10px">Message</label>
    <span></span>
</div>
    <input type="submit" name="submit" value="Send">
</form>
<div class="link">
    <a href="index.php">Back to Home</a>
</div>
<div class="error-message"></div>
</div>
<?php include('footer.php'); ?>
</body>

</html>
```

4.6 content.php

```
<?php  
$servername = "localhost";  
$username = "root";  
$password = "";  
$dbname = "item";  
  
$conn = new mysqli($servername, $username, $password, $dbname);  
  
if ($conn->connect_error) {  
    die("Connection failed: " . $conn->connect_error);  
}  
  
$sql = "SELECT products.id, products.name, products.price, products.image  
FROM products";  
  
$result = $conn->query($sql);  
  
$itemList = array();  
if ($result->num_rows > 0) {  
    while ($row = $result->fetch_assoc()) {  
        $itemList[] = $row;  
    }  
}  
  
$conn->close();  
?>  
  
<!DOCTYPE html>  
<html lang="en">  
  
<head>  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-scale=1.0">  
    <title>Stationery Shop</title>  
    <link rel="stylesheet" href="mystyle.css">  
</head>  
  
<body>
```

```
<div class="contentWrapper">
    <div class="grid-container">
        <?php foreach ($itemList as $item) : ?>
            <div class="grid-item">
                <div class="product-section">
                    <div class="product-border">
                        <div class="product-img-center">
                            <a href="productDetails.php?id=<?php echo
                                $item['id']; ?>"></a>
                        </div>
                        <div>
                            <p class="product-name">
                                <a href="productDetails.php?id=<?php
                                    echo $item['id']; ?>"><b><?php echo $item['name'];
                                    ?></b></a>
                            </p>
                            <p class="product-price">
                                <?php echo $item['price'];
                                ?>
                            </p>
                        </div>
                    </div>
                </div>
            </div>
        <?php endforeach; ?>
    </div>
</body>

</html>
```

4.7 create.php

```

<!DOCTYPE html>
<html>
    <head>
        <link rel="stylesheet" href="loginStyle.css"></link>
    </head>
    <body>
        <div class = "center">
            <h1>Create Account</h1>
            <?php
                if($_SERVER['REQUEST_METHOD'] == 'POST'){
                    $conn = mysqli_connect('localhost', 'root', '', 'stationery');

                    if(!$conn){
                        die('Connection failed: ' .mysqli_connect_error());
                    }

                    $email = mysqli_real_escape_string($conn, $_POST['email']);
                    $password = mysqli_real_escape_string($conn,
                    $_POST['password']);

                    $checkQuery = "SELECT * FROM users WHERE email = '$email'";
                    $checkResult = mysqli_query($conn, $checkQuery);

                    if(mysqli_num_rows($checkResult) > 0){
                        echo '<div class="error-message">Email already exists.
Please use a different email.</div>';
                    }else{
                        $hashed_password = md5($password);
                        $query = "INSERT INTO users (email, password) VALUES
                        ('$email', '$hashed_password')";
                        if(mysqli_query($conn, $query)){
                            echo 'Account created successfully. ';
                            echo '<a href="login.php">Login here</a>';
                        }else{
                            echo 'Error creating account: ' .mysqli_error($conn);
                        }
                    }
                }
            </div>
        </body>
    </html>

```

```
    mysqli_close($conn);
}

?>
<form method="POST">
<div class="txt_field">
    <input type="email" name="email" required>
    <span></span>
    <label>Email: </label>
</div>

<div class="txt_field">
    <input type="password" name="password" required>
    <span></span>
    <label>Password: </label>
</div>

<input type="submit" value="Create Account">
</form>
<br>

<div class="link">Already have an account?
    <a href="login.php">Click here to login</a><br><br>
</div>

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

4.8 footer.php

```
<footer id=pageFooter>

<div class="width-100 margin-top-50 footer">
    <div class="container">
        <div class="width-33">
            <h2 class="quicklink-heading">Account Detail</h2>
            <ul class="quicklink-menu">
                <li><a href="index.php">Home</a></li>
                <li><a href="about.php">About us</a></li>
                <li><a href="">Search</a></li>
                <li><a href="carts.php">Cart</a></li>
            </ul>
        </div>
        <div class="width-33">
            <h2 class="quicklink-heading">Quick Link</h2>
            <ul class="quicklink-menu">
                <li><a href="login.php">Login</a></li>
                <li><a href="">Faq</a></li>
                <li><a href="contact.php">Contact us</a></li>
                <li><a href="">Download App</a></li>
            </ul>
        </div>
        <div class="width-33">
            <h2 class="quicklink-heading">Contact Us</h2>
            <ul class="get-in-touch">
                <li><i class="email" aria-hidden="true"></i> E-MAIL:<a href="#" class="footer-e-mail"> stationerystudio@mail.com</a></li>
                <li><i class="whatsapp" aria-hidden="true"></i> WHATS-APP: +6012-345 6789</li>
                <li><i class="phone" aria-hidden="true"></i> CONTACT NO.: +6012- 345 6789</li>
                <li><i class="website" aria-hidden="true"></i> WEBSITE:<a href="#" class="footer-website"> https://www.stationerystudio.com/</a></li>
            </ul>
            <ul class="social-media">
                <li><a href="#"></a></li>
                <li><a href="#"></a></li>
            </ul>
        </div>
    </div>
</div>
```

```
<li><a href="#"></a></li>
<li><a href="#"></a></li>
</ul>
</div>
</div>
</div>
<div class="width-100 footer2-bar">
    <p class="footer2-content">&copy; Stationery Studio Online. All
rights reserved.</p>
    </div>

</footer>
```

4.9 header.php

```
<header id=pageHeader>
    <a href="index.php"></a>
    <a href="index.php" style="text-decoration: none;"><h1>Stationery
Stash Online Shop</h1></a>
</header>
```

4.10 index.php

```
<!DOCTYPE html>
<html>

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Stationery Stash Online Shop</title>
    <link rel="stylesheet" href="mystyle.css">
</head>

<body>
    <?php
        include('header.php');
        include('navigation.php');

        $conn = new mysqli("localhost", "root", "", "stationery");

        if ($conn->connect_error) {
            die("Connection failed: " . $conn->connect_error);
        }

        $sql = "SELECT products.id, products.name, products.price,
products.image FROM products";
        $result = $conn->query($sql);

        $itemList = array();
        if ($result->num_rows > 0) {
            while ($row = $result->fetch_assoc()) {
                $itemList[] = $row;
            }
        }

        $conn->close();
    ?>

    <br>
    <div class="productpromo-container">
        <div class="productpromo-inner">
```

```





</div>
</div>
<div class="contentWrapper">
    <div class="grid-container">
        <?php foreach ($itemList as $item) : ?>
            <div class="grid-item">
                <div class="product-section">
                    <div class="product-border">
                        <div class="product-img-center">
                            <a href="productDetails.php?id=<?php echo
$item['id']; ?>"></a>
                        </div>
                        <div>
                            <p class="product-name">
                                <a href="productDetails.php?id=<?php
echo $item['id']; ?>"><b><?php echo $item['name']; ?></b></a>
                            </p>
                            <p class="product-price">
                                <?php echo $item['price']; ?>
                            </p>
                        </div>
                    </div>
                </div>
            </div>
        <?php endforeach; ?>
    </div>
    <?php include('footer.php'); ?>
</body>

</html>
```

4.11 login.php

```
<?php
session_start();

if (isset($_SESSION['email'])) {
    $_SESSION['message'] = 'You are already logged in.';
}

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $email = $_POST['email'];
    $password = $_POST['password'];

    $conn = mysqli_connect('localhost', 'root', '', 'stationery');

    if (!$conn) {
        die('Connection failed: ' . mysqli_connect_error());
    }

    $query = "SELECT * FROM users WHERE email = '$email' AND password = '" .
        md5($password) . "'";

    $result = mysqli_query($conn, $query);

    if (mysqli_num_rows($result) === 1) {
        $_SESSION['email'] = $email;

        header('Location: account.php');
        exit();
    } else {
        $error = 'Invalid email or password.';
    }
}

mysqli_close($conn);
?>

<!DOCTYPE html>
<html>
<head>
    <link rel="stylesheet" href="loginStyle.css">
```

```
</link>
</head>

<body>
    <div class="center">
        <h1>Login</h1>
        <?php if (isset($_SESSION['message'])) : ?>
            <p class="success-message"><?php echo $_SESSION['message']; ?>
        <?php unset($_SESSION['message']); ?>
        <?php endif; ?>

        <?php if (isset($error)) : ?>
            <p class="error-message"><?php echo $error; ?></p>
        <?php endif; ?>

        <form method="post" action="">
            <div class="txt_field">
                <input type="email" name="email" required>
                <span></span>
                <label>Email: </label>
            </div>

            <div class="txt_field">
                <input type="password" name="password" required>
                <span></span>
                <label>Password: </label>
            </div>

            <input type="submit" value="Login">
            <div class="link">
                Not a member?<a href="create"> Create an account</a><br>
                Already Login<a href="index"> Go To Home Page</a><br>
                <a href="logout.php">Logout</a>
            </div>
        </form>
    </div>
</body>

</html>
```

4.12 loginStyle.css

```
body {  
    margin: 0;  
    padding: 0;  
    font-family: fantasy;  
    background-color: rgb(255, 211, 218);  
    height: 100vh;  
    overflow: hidden;  
}  
  
.center {  
    position: absolute;  
    top: 50%;  
    left: 50%;  
    transform: translate(-50%, -50%);  
    width: 400px;  
    background: lavenderblush;  
    border-radius: 10px;  
}  
  
.center h1 {  
    text-align: center;  
    padding: 0 0 20px 0;  
    color: darkblue;  
    border-bottom: 1px solid silver;  
}  
  
.center form {  
    padding: 0 40px;  
    box-sizing: border-box;  
}  
  
form .txt_field {  
    position: relative;  
    border-bottom: 2px solid lightgreen;  
    margin: 30px 0;  
}  
  
.txt_field input {
```

```
width: 100%;  
padding: 0 5px;  
height: 40px;  
font-size: 16px;  
border: none;  
background: none;  
outline: none;  
}  
  
.txt_field label {  
position: absolute;  
top: 50%;  
left: 5px;  
color: skyblue;  
transform: translateY(-50%);  
font-size: 16px;  
pointer-events: none;  
transition: 0.5s;  
}  
  
.txt_field span::before {  
content: '';  
position: absolute;  
top: 40px;  
left: 0;  
width: 0%;  
height: 2px;  
background: lightsalmon;  
transition: 0.5s;  
}  
  
.txt_field input:focus~label,  
.txt_field input:valid~label {  
top: -5px;  
color: lightsalmon;  
}  
  
.txt_field input:focus~span::before,  
.txt_field input:valid~span::before {  
width: 100%;
```

```
}

input[type="submit"] {
    width: 100%;
    height: 50px;
    border: 1px solid;
    background: lightpink;
    border-radius: 25px;
    font-size: 18px;
    color: black;
    font-weight: 700;
    cursor: pointer;
    outline: none;
}

input[type="submit"]:hover {
    border-color: lightgray;
    transition: 0.5s;
}

.link {
    margin: 15px 0;
    text-align: center;
    font-size: 16px;
    color: rgb(133, 101, 106);
}

.link a {
    color: lightcoral;
    text-decoration: none;
}

.link a:hover {
    text-decoration: underline;
}

.error-message {
    color: red;
    text-align: center;
    margin-top: 10px;
```

```
}

.success-message {
    color: red;
    text-align: center;
    margin-top: 10px;
}
```

4.13 logout.php

```
<?php
session_start();
session_destroy();

header("Location: index.php"); // Redirect to the main page after logout
instead of must login again
exit();
?>
```

4.14 mystyle.css

```
body {
    margin: 0;
    padding: 0;
    font-family: fantasy;
    background-image: url("images/background.jpg");
    color: rgb(50, 50, 50);
    letter-spacing: 2px;
    line-height: 1.5;
    box-sizing: border-box;
}

h1 {
    text-align: center;
    padding: 0px 24px;
    color: darkblue;
```

```
    font-size: 2em;
}

nav#topNavigation {
    top: 0;
    background-color: rgb(50, 50, 50);
    position: sticky;
    z-index: 1000;
    padding: 10px;
}

nav#topNavigation ul {
    list-style-type: none;
    margin: 0;
    padding: 0;
    font-size: 24px;
}

nav#topNavigation ul li {
    float: left;
    background-color: rgba(50, 50, 50);
}

nav#topNavigation ul li a {
    display: block;
    color: rgb(255, 255, 255);
    background-color: rgb(50, 50, 50);
    text-align: center;
    padding: 8px 16px;
    text-decoration: none;
}

nav#topNavigation ul li a:hover {
    background-color: rgba(255, 255, 255, 0.8);
    color: rgb(50, 50, 50);
}

nav#leftColumn ul li a:hover {
    background-color: rgba(50, 50, 50, 0.2);
}
```

```
#topNavigation form {
    float: right;
    margin-left: 20px;
}

#topNavigation input[type="text"] {
    height: 40px;
    width: 300px;
    padding: 5px 40px 5px 15px;
    border: 1px solid rgba(0, 0, 0, 0.25);
    border-radius: 25px;
}

#topNavigation button[type="submit"] {
    height: 35px;
    padding: 5px;
    border: 1px solid black;
    border-radius: 50px;
    cursor: pointer;
}

#topNavigation button[type="submit"]:hover {
    background-color: #f2f2f2;
}

#topNavigation .shopping {
    position: relative;
}

#search-form {
    position: relative;
}

#search-button {
    position: absolute;
    top: 10px;
    right: 10px;
    background: none;
```

```
height: 100%;  
}  
  
#search-button img {  
    height: 25px;  
    vertical-align: middle;  
}  
  
.shopping span {  
    background-color: red;  
    border-radius: 50%;  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    color: white;  
    position: absolute;  
    top: 0;  
    left: 50%;  
    padding: 2px 6px;  
    font-size: 12px;  
    width: 12px;  
    height: 20px;  
}  
  
.shopping img {  
    height: 25px;  
    vertical-align: middle;  
    margin-right: 5px;  
}  
  
.grid-container {  
    background-color: rgba(50, 50, 50, 0.1);  
    padding: 16px;  
    gap: 16px;  
    display: grid;  
    grid-template-columns: repeat(auto-fill, minmax(250px, 1fr));  
    width: 100%;  
    box-sizing: border-box;  
    border-radius: 16px;  
    box-shadow: 0 8px 8px rgba(0, 0, 0, 0.1);  
}
```

```
}

.grid-item {
    background-color: rgb(255, 255, 255);
    padding: 16px;
    text-align: center;
    font-size: 16px;
    border: 1px solid rgba(50, 50, 50, 0.1);
    border-radius: 8px;
    box-shadow: 0 8px 8px rgba(0, 0, 0, 0.1);
    transition: transform 0.3s ease-in-out;
    width: auto;
}

.clearfix::after {
    content: "";
    clear: both;
    display: table;
}

.contentWrapper {
    margin: 16px;
    padding: 16px;
}

.footer-end {
    color: rgb(255, 255, 255);
    background-color: rgb(50, 50, 50);
    text-align: center;
    padding: 0;
    position: fixed;
    bottom: 0;
    left: 0;
    right: 0;
    line-height: 0;
}

#pageHeader {
    display: flex;
    justify-content: center;
```

```
    align-items: center;
}

.product-section {
    padding: 15px;
}

.product-img {
    width: 200px;
    height: 200px;
    object-fit: cover;
    border-radius: 10%;
}

.productpromo-inner {
    display: flex;
    flex-direction: row;
    align-items: center;
    overflow-x: scroll;
}

.productpromo-img {
    flex: auto;
    max-height: 650px;
    object-fit: cover;
    border-radius: 1%;

}

.logo {
    display: block;
    width: 80px;
    max-height: 80px;
    object-fit: cover;
    border-radius: 5%;
    margin-right: 10px;
}

.product-border {
    border: 1px solid rgba(255, 255, 255, 0.8);
    padding: 0;
```

```
}
```

```
.product-name a {  
    color: rgb(50, 50, 50);  
    text-decoration: none;  
    font-size: 15px;  
    font-family: "Roboto", sans-serif, Arial;  
}  
  
.product-price {  
    margin-top: 15px;  
}  
  
.centered-image {  
    display: block;  
    margin: 0 auto;  
    border-radius: 5%;  
    width: 300px;  
    height: 300px;  
}  
  
p.description,  
p.price {  
    font-family: Arial, Helvetica, sans-serif;  
    font-size: 17px;  
    margin: 30px;  
}  
  
.content {  
    width: 100%;  
    max-width: 800px;  
    padding: 20px;  
    background-color: rgb(255, 255, 255);  
    border-radius: 5px;  
    box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);  
    display: flex;  
    justify-content: center;  
    align-items: center;  
}
```

```
.error {
    color: red;
    font-size: 0.8em;
    padding-top: 8px;
}

#contactForm {
    width: 100%;
    max-width: 400px;
}

#contactForm label,
#contactForm input,
#contactForm select,
#contactForm textarea {
    width: 100%;
    padding: 10px;
    margin-bottom: 10px;
    border-radius: 5px;
    border: 1px solid rgba(50, 50, 50, 0.2);
}

#contactForm input[type="submit"] {
    background-color: rgb(45, 45, 245);
    color: rgb(255, 255, 255);
    border: none;
    cursor: pointer;
    transition: background-color 0.3s ease;
}

#contactForm input[type="submit"]:hover {
    background-color: rgb(45, 45, 245);
}

#contactForm div.error {
    margin-top: -15px;
    margin-bottom: 10px;
    font-size: 0.8em;
}
```

```
#contactForm textarea {
    height: 150px;
    resize: vertical;
}

.container {
    width: 1250px;
    margin: 0px auto;
    display: table;
}

.width-100 {
    width: 100%;
    float: left;
}

.margin-top-50 {
    margin-top: 50px;
}

.width-30 {
    width: 30%;
    float: left;
}

.width-20{
    width: 20%;
    float: left;
}

.footer,
.footer2-bar {
    background: #344b67;
}

#pageFooter {
    padding: 40px 0;
}

.footer2-bar {
```

```
padding: 10px 20px;
border-top: 0.5px solid white;
}

.footer-e-mail,
.footer-website,
.footer-phone {
    color: rgb(222, 170, 141);
}

.quicklink-menu,
.get-in-touch,
.social-media {
    list-style: none;
    padding-left: 10px;
}

.quicklink-menu li a,
.get-in-touch li,
.social-media li {
    color: #fff;
    line-height: 2.25;
    font-size: 15px;
    text-decoration: none;
    font-family: "Helvetica Neue", Helvetica, Arial, sans-serif;
}

.quicklink-menu li a {
    font-size: 15px;
}

.quicklink-heading {
    font-size: 18px;
    font-weight: bold;
    color: #fff;
    font-family: "Helvetica Neue", Helvetica, Arial, sans-serif;
    margin-bottom: 10px;
}

.social-media li img {
    width: 30px;
```

```
}

.social-media li {
    float: left;
    padding: 0px 8px;
}

.get-in-touch li i {
    color: #ed372c;
    font-size: 20px;
}

.footer2-content {
    font-size: 14px;
    color: #fff;
    font-family: "Helvetica Neue", Helvetica, Arial, sans-serif;
    text-align: center;
    line-height: 1.0px;
}

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

.product-details h2 {
    color: #ba3a49;
    font-style: sans-serif;
    font-size: 30px;
    font-weight: bold;
    margin-bottom: 20px;
    text-align: center;
}

.product-details img {
    display: block;
```

```
margin: 0 auto;
max-width: 100%;
width: 300px;
height: 300px;
object-fit: cover;
border-radius: 10%;

}

.product-details .description {
color: #333;
font-size: 20px;
margin-top: 20px;
}

.product-details .price {
color: #f70505;
font-size: 30px;
margin-top: 10px;
font-weight: bold;
}

.product-details a {
display: inline-block;
background-color: #ffffff;
color: #fff;
text-decoration: none;
padding: 10px 20px;
border-radius: 5px;
margin-top: 20px;
text-align: center;
transition: background-color 0.3s ease;
}

.product-details form {
display: inline;
}

.cart-image{
width: 65px;
height: 65px;
```

```

border: none;
cursor: pointer;
margin-left: 10%;

}

.cart-image:hover {
  filter: brightness(85%);
}

```

4.15 navigation.php

```

<?php
session_start();

$conn = mysqli_connect('localhost', 'root', '', 'stationery');
if (!$conn) {
  die('Connection failed: ' . mysqli_connect_error());
}

$total_quantity = 0;

if (isset($_SESSION['email'])) {
  $user_email = $_SESSION['email'];

  $query = "SELECT id FROM users WHERE email = '$user_email'";
  $result = mysqli_query($conn, $query);

  if ($result && mysqli_num_rows($result) > 0) {
    $row = mysqli_fetch_assoc($result);
    $user_id = $row['id'];

    $cart_query = "SELECT SUM(quantity) as total_quantity FROM carts
WHERE user_id = $user_id";
    $cart_result = mysqli_query($conn, $cart_query);

    if ($cart_result) {
      $cart_row = mysqli_fetch_assoc($cart_result);

```

```

        $total_quantity = $cart_row['total_quantity'];
    }
}

$itemList = [];

if (isset($_GET['query'])) {
    $query = $_GET['query'];

    $search_query = "SELECT * FROM products WHERE name LIKE '%$query%'";
    $search_result = mysqli_query($conn, $search_query);

    while ($row = mysqli_fetch_assoc($search_result)) {
        $itemList[] = $row;
    }
} else {
    $sql = "SELECT * FROM products";
    $result = $conn->query($sql);

    if ($result->num_rows > 0) {
        while ($row = $result->fetch_assoc()) {
            $itemList[] = $row;
        }
    }
}

mysqli_close($conn);
?>

<nav id="topNavigation">
    <ul>
        <li><a href="index.php">Home</a></li>
        <li><a href="about.php">About Us</a></li>
        <li><a href="contact.php">Contact</a></li>
        <form id="search-form" method="get" action="search.php"
style="float:left">
            <input type="text" name="query" id="search-box"
onkeyup="renderSearchResults()" placeholder="Search...">
            <button type="submit" id="search-button">

```

```

        
    </button>
</form>
<li style="float:right">
    <a href="carts.php" class="shopping">
        
        <span class="quantity"><?php echo $total_quantity; ?></span>
    </a>
</li>
<li style="float:right"><a href="login.php">Log In</a></li>
</ul>
<div class="clearfix"></div>
</nav>

<script>
const searchResults = <?php echo json_encode($itemList); ?>;

function renderSearchResults() {
    const gridContainer = document.querySelector('.grid-container');
    gridContainer.innerHTML = '';

    const query = document.getElementById('search-box').value;
    const filteredResults = searchResults.filter(item =>
item.name.toLowerCase().includes(query.toLowerCase()));

    filteredResults.forEach(item => {
        const gridItem = document.createElement('div');
        gridItem.classList.add('grid-item');
        gridItem.dataset.name = item.product_name;

        const productSection = document.createElement('div');
        productSection.classList.add('product-section');

        const productBorder = document.createElement('div');
        productBorder.classList.add('product-border');

        const productImgCenter = document.createElement('div');
        productImgCenter.classList.add('product-img-center');

```

```
const productImgLink = document.createElement('a');
productImgLink.href = `productDetails.php?id=${item.item_id}`;

const productImg = document.createElement('img');
productImg.classList.add('product-img');
productImg.src = item.product_img_name;

productImgLink.appendChild(productImg);
productImgCenter.appendChild(productImgLink);
productBorder.appendChild(productImgCenter);
productSection.appendChild(productBorder);

const productName = document.createElement('p');
productName.classList.add('product-name');

const productNameLink = document.createElement('a');
productNameLink.href =
`productDetails.php?id=${item.item_id}`;
productNameLink.textContent = item.product_name;

productName.appendChild(productNameLink);
productSection.appendChild(productName);

const productPrice = document.createElement('p');
productPrice.classList.add('product-price');
productPrice.textContent = item.price;

productSection.appendChild(productPrice);
gridItem.appendChild(productSection);
gridContainer.appendChild(gridItem);
});

}

renderSearchResults();
</script>
```

4.16 productDetails.php

```
<?php  
$servername = "localhost";  
$username = "root";  
$password = "";  
$dbname = "stationery";  
  
$conn = new mysqli($servername, $username, $password, $dbname);  
  
if ($conn->connect_error) {  
    die("Connection failed: " . $conn->connect_error);  
}  
  
// Fetch product details from the database  
$product = null;  
if (isset($_GET['id'])) {  
    $productId = $_GET['id'];  
  
    $sql = "SELECT * FROM products WHERE id = '$productId'";  
    $result = $conn->query($sql);  
  
    if ($result->num_rows > 0) {  
        $product = $result->fetch_assoc();  
    } else {  
        header('Location: index.php');  
        exit();  
    }  
} else {  
    header('Location: index.php');  
    exit();  
}  
  
$conn->close();  
?>  
  
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title><?php echo htmlspecialchars($product['name']) ?? 'Product Not
Found'; ?> - Stationery Shop</title>
<link rel="stylesheet" href="mystyle.css">
</head>
<body>
<?php include('header.php'); ?>
<?php include('navigation.php'); ?>

<div class="product-details">
    <h2><?php echo htmlspecialchars($product['name']); ?></h2>
    ">
    <br>
    <p class="description"><b>Description:</b> <?php echo
    htmlspecialchars($product['description']); ?></p>
    <p class="price"><b>Price:</b> RM<?php echo
    htmlspecialchars($product['price']); ?></p>

    <form action="addToCart.php?id=<?php echo $productId?>">
        <label for="product_quantity">Quantity:</label>
        <input type="number" id="product_quantity"
        name="product_quantity" value="1" min="1" max="10">
        <br>
        <input type="image" src="images/cart.png" alt="Add to Cart"
        class="cart-image">
        <input type="hidden" name="product_id" value="<?php echo
        htmlspecialchars($product['id']); ?>">
        <input type="hidden" name="add_to_cart" value="true">
    </form>

</div>

<?php include('footer.php'); ?>
</body>
</html>
```

4.17 search.php

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Search Results</title>
    <link rel="stylesheet" href="mystyle.css">
</head>

<body>
    <?php
        include('header.php');
        session_start();

        $conn = mysqli_connect('localhost', 'root', '', 'stationery');
        if (!$conn) {
            die('Connection failed: ' . mysqli_connect_error());
        }

        $total_quantity = 0;

        if (isset($_SESSION['email'])) {
            $user_email = $_SESSION['email'];

            $query = "SELECT id FROM users WHERE email = '$user_email'";
            $result = mysqli_query($conn, $query);

            if ($result && mysqli_num_rows($result) > 0) {
                $row = mysqli_fetch_assoc($result);
                $user_id = $row['id'];

                $cart_query = "SELECT SUM(quantity) as total_quantity FROM
carts WHERE user_id = $user_id";
                $cart_result = mysqli_query($conn, $cart_query);

                if ($cart_result) {
                    $cart_row = mysqli_fetch_assoc($cart_result);
                    $total_quantity = $cart_row['total_quantity'];
                }
            }
        }
    </body>
```

```

        $total_quantity = $cart_row['total_quantity'];
    }
}

$itemList = [];

if (isset($_GET['query'])) {
    $query = $_GET['query'];

    $search_query = "SELECT * FROM products WHERE name LIKE
'%$query%'";
    $search_result = mysqli_query($conn, $search_query);

    while ($row = mysqli_fetch_assoc($search_result)) {
        $itemList[] = $row;
    }
} else {
    $sql = "SELECT * FROM products";
    $result = $conn->query($sql);

    if ($result->num_rows > 0) {
        while ($row = $result->fetch_assoc()) {
            $itemList[] = $row;
        }
    }
}

mysqli_close($conn);
?>

<nav id="topNavigation">
    <ul>
        <li><a href="index.php">Home</a></li>
        <li><a href="about.php">About Us</a></li>
        <li><a href="contact.php">Contact</a></li>
        <form id="search-form" method="get" action="search.php"
style="float:left">
            <input type="text" name="query" id="search-box"
onkeyup="renderSearchResults()" placeholder="Search..."/>
    
```

```

        <button type="submit" id="search-button">
            
        </button>
    </form>
    <li style="float:right">
        <a href="carts.php" class="shopping">
            
            <span class="quantity"><?php echo $total_quantity;
?></span>
        </a>
    </li>
    <li style="float:right"><a href="login.php">Sign in</a></li>
</ul>
<div class="clearfix"></div>
</nav>

<div class="grid-container">
    <!-- Products will be displayed here -->
</div>

<script>
    const searchResults = <?php echo json_encode($itemList); ?>;

    function renderSearchResults() {
        const gridContainer =
document.querySelector('.grid-container');
        gridContainer.innerHTML = '';

        const query = document.getElementById('search-box').value;
        const filteredResults = searchResults.filter(item =>
item.name.toLowerCase().includes(query.toLowerCase()));

        filteredResults.forEach(item => {
            const gridItem = document.createElement('div');
            gridItem.classList.add('grid-item');
            gridItem.dataset.name = item.name;

            const productSection = document.createElement('div');
            productSection.classList.add('product-section');

```

```
const productBorder = document.createElement('div');
productBorder.classList.add('product-border');

const productImgCenter = document.createElement('div');
productImgCenter.classList.add('product-img-center');

const productImgLink = document.createElement('a');
productImgLink.href = `productDetails.php?id=${item.id}`;

const productImg = document.createElement('img');
productImg.classList.add('product-img');
productImg.src = item.image;

productImgLink.appendChild(productImg);
productImgCenter.appendChild(productImgLink);
productBorder.appendChild(productImgCenter);
productSection.appendChild(productBorder);

const productName = document.createElement('p');
productName.classList.add('product-name');

const productNameLink = document.createElement('a');
productNameLink.href = `productDetails.php?id=${item.id}`;
productNameLink.textContent = item.name;

productName.appendChild(productNameLink);
productSection.appendChild(productName);

const productPrice = document.createElement('p');
productPrice.classList.add('product-price');
productPrice.textContent = item.price;

productSection.appendChild(productPrice);
gridItem.appendChild(productSection);
gridContainer.appendChild(gridItem);
});

}

renderSearchResults();
```

```

</script>
</body>

</html>
```

4.18 db.sql

```

-- Creating the database

CREATE DATABASE stationery CHARACTER SET utf8 COLLATE utf8_general_ci;

USE stationery;

CREATE TABLE IF NOT EXISTS products (
    id INT PRIMARY KEY,
    image VARCHAR(255),
    name VARCHAR(255),
    price DECIMAL(10, 2),
    description TEXT
) ;

INSERT INTO products (id, image, name, price, description) VALUES
    (1, 'images/item1.png', '80ml Stick Up White Glue (Non-toxic)', 3.50,
    '80ml white glue suitable for various crafting and sticking purposes.
    Non-toxic formula.'),
    (2, 'images/item2.png', 'Fountain Pen Luxury Style (free a jar of
    ink)', 149.99, 'A luxurious fountain pen known for its styles and
    elegance. Comes with a complimentary jar of ink. Fountain pen typically
    requires ink refills.'),
    (3, 'images/item3.png', 'Set of 6 Different Color Highlight Pen',
    15.00, 'A set of six highlighter pens in different colors. Suitable for
    marking important sections in documents and notes.'),
    (4, 'images/item4.png', 'Classic 24 Colors Oil Color Pencil Set',
    23.60, 'A set of 24 oil-based colored pencils. Ideal for drawing and
    coloring.'),
```

```

(5, 'images/item5.png', 'Different Colors of Marker Pen,6pcs', 22.00,
'A pack of 6 marker pens in assorted colors. Suitable for various writing
and marking tasks.'),
(6, 'images/item6.png', 'Red Color Medium Size Stapler', 3.55,
'Medium-sized stapler in red color. Suitable for stapling documents
together.'),
(7, 'images/item7.png', 'Economy Children Safe Paper Small
Scissors,1pcs', 1.70, 'Small-sized scissors designed with childrens safety
in mind. Suitable for crafting and school projects.'),
(8, 'images/item8.png', 'Easy Grip Medium Size Colorful Binder
Clips(12pcs)', 6.00, 'A pack of 12 medium-sized binder clips with
colorful, easy-grip handles. Suitable for organizing paper and documents.
For school and office use.'),
(9, 'images/item9.png', '10PCS Water Brush Set*NYLON WOOLS', 12.00, 'A
set of 10 water brushes with NYLON wool tips. Ideal for watercolor
painting and blending techniques.'),
(10, 'images/item10.png', 'Paper Clips Multicolor 450pcs for Office
School Supplies', 4.30, 'A pack of 450 multicolor paper clips. Suitable
for office and school use.'),
(11, 'images/item11.png', '2pcs Ball Pen(1 blue+1 black)', 3.50, 'A
pack of 2 ballpoint pens, one blue and one black. Suitable for everyday
writing tasks.'),
(12, 'images/item12.png', 'Mixed Color Colorful Crayon,12pcs in 1
box', 9.90, 'Box containing 12 colorful crayons in assorted shades. Ideal
for drawing and coloring.'),
(13, 'images/item13.png', 'Big Size Pelikan BR40 Eraser 1pcs', 3.60,
'Large-sized Pelikan BR40 eraser. Suitable for erasing pencil marks
cleanly.'),
(14, 'images/item14.png', 'Twin Hole Pencil Sharpener,1pcs', 1.00,
'Pencil sharpener with twin holes. Suitable for sharpening standard and
large-sized pencils.'),
(15, 'images/item15.png', '350pages Dot Notepad A5 hardcover
notebook', 21.00, 'A5-sized hardcover notebook with dotted pages.
Containing 350 pages for notes and sketches.'),
(16, 'images/item16.png', '200pages Dot Notepad A5 notebook', 9.00,
'A5-size notebook with dotted pages. Containing 200 pages for various
purposes.'),
(17, 'images/item17.png', 'Box of 2B pencils,12pcs', 6.00, 'Box
containing 12 pencils with 2B lead hardness. Suitable for writing,
sketching, and exam use.'),

```

```
(18, 'images/item18.png', '1pcs 0.5mm Blue Gel Pen', 1.30, 'Gel pen
with blue ink. 0.5mm tip size. Suitable for smooth writing and exam
use.'),  

(19, 'images/item19.png', '0.7mm Red Gel Pen,1pcs', 1.50, 'Gel pen
with red ink. 0.7mm tip size. Suitable for various writing tasks.'),  

(20, 'images/item20.png', '1pcs 0.5mm Black Gel Pen', 1.30, 'Gel pen
with black ink. 0.5mm tip size. Suitable for precise and smooth
writing.');  
  
CREATE TABLE carts (
    id INT(11) AUTO_INCREMENT PRIMARY KEY,
    user_id INT(11),
    item_id INT(11),
    quantity INT(11)
);  
  
CREATE TABLE users (
    id INT(11) AUTO_INCREMENT PRIMARY KEY,
    email VARCHAR(255),
    password VARCHAR(255)
);  
  
CREATE TABLE IF NOT EXISTS contact (
    id INT(11) NOT NULL AUTO_INCREMENT PRIMARY KEY ,
    name VARCHAR(255) NOT NULL,
    email VARCHAR(255) NOT NULL,
    subject VARCHAR(255) NOT NULL,
    message TEXT NOT NULL
);
```

5.0 Conclusion

In conclusion, our “Stationery Stash Online Shop” website has been designed to provide a user-friendly experience and prioritize dynamic, responsiveness, functionality, accessibility and convenience for our customers. The website consists of numerous features, including an intuitive homepage which is easy to use, detailed product information page, about us page, functional footer bar, add to cart functionality, interaction with the store through contact page and easily accessible navigation bar to navigate around. The homepage carousel keeps our consumers informed and interested by showcasing our most recent announcements and promotions. The website stores user information in the database and password securely using md5 encryption. The account setup and login process is simple and consumers are able to personalize their shopping experience by adding the products in their cart which are properly stored in the database.

Nevertheless, many features are left unimplemented due to limitations such as insufficient knowledge and time experience. A product reviews and rating system, payment gateway, order tracking and customer support chat are a few more potential features that could further enhance the website. Customers may share their feedback with items through product reviews and rating systems which will assist future consumers in making accurate purchases. However, this functionality would be redundant since our project's limitations hinder us from integrating a reliable and secure payment gateway which is necessary to guarantee that transactions are safe and only allow customers who bought the product to rate and review. The customer support chat would require a sophisticated text analysis algorithm and functions as a live chat feature to assist customers with their queries about the products in real-time.

All things considered, the goals and objectives of this assignment were achieved with a functional website that not only effectively displays our products but also provides a variety of services to improve user experience. Our website's homepage serves as an overview of its features and content, the navigation menu allows users to visit every page, the about page provides contact and basic information, and the contact page allows customers to easily contact the business. On the website, visitors may also examine product information, add goods to their basket, establish an account, log in, and log out.

6.0 Workload Summary

6.1 Code

Name	Description
Tan Han Shen	Homepage, contact, navigation, header, about, search functionality
Teng Yan Xin	Cart page & functionality, account (login, create, logout), database file
Wong Giin Ying	Product details page, content page, database file, footer
Wong Sien Rong	Cart page & functionality, account (login, create, logout), database file

6.2 Report

Name	Description
Tan Han Shen	Code Snippets, Conclusion
Teng Yan Xin	Introduction, Detailed Explanation & Implementation of Code
Wong Giin Ying	Introduction, README file
Wong Sien Rong	Flowchart, Code Snippets

7.0 References

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