

Hands-on Activity 3.3 Building a Product Showcase Page	
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1. Discussion	
Module 3 tackles one of the fundamental principles of styling in CSS which is through the Box model framework. This framework is utilized in order to control the layout and spacing of the different elements in the page. It tackles the usage of padding, margin, borders and how these styling elements help in control the spaces in the page. There are also other styling techniques discussed such as the usage of box shadows to utilize style in the backgrounds. There is also another important lesson discussed which is the different alignment techniques and the different ways of declaring positioning of elements. This helped in control how each element would work and interact with each other once placed on to the page.	
3. Procedure	
<h2>3.10.1 Building a Product Showcase Page</h2> <p>You are creating a product showcase webpage for an online store. This page will feature various products, a table of product specifications, and a form for users to contact you. You'll use CSS to style the page, applying concepts from the box model, layout control, visibility, positioning, and customization of tables and forms.</p> <p>We have provided a basic HTML skeleton for your product showcase page in the editor under the <i>index.html</i> file. Your task is to apply the necessary CSS styles to this HTML structure to bring your product showcase to life.</p>	
<p>Instructions</p> <p>Follow the instructions below to style the webpage step by step:</p>	

1. Understanding the Box Model

- Set the width of the `<div>` elements with the class `product` to 300px.
- Add padding of 20px to these `product` divs.
- Apply a border of 2px solid #000 (black) to the `product` divs.
- Set the margin of the `product` divs to 10px.

2. Adding Backgrounds to Box Elements

- Set the background color of the `product` divs to `#f9f9f9`.
- Add a background image to the `header` element using the URL `"https://via.placeholder.com/800x200"`.
- Ensure the background image in the header does not repeat and covers the entire header area using appropriate background properties.
- Add a box shadow to the `product` divs with the values: `5px 5px 15px rgba(0, 0, 0, 0.3)`.

3. Controlling Content Layout

- Set the `overflow` property of the `product` divs to `hidden`.
- Center align the text inside the `header` element.
- Vertically and horizontally center the `contact-form` div inside the `main` section using flexbox.

4. Controlling Content Visibility

- Hide the `contact-form` initially using the `display` property.
- Set the visibility of the `product-details` divs to `hidden`.

5. Positioning in CSS

- Position the `header` element fixed at the top of the page.
- Position the `footer` element fixed at the bottom of the page.

- Set the `product-image` to be positioned relative to its container, and add an absolutely positioned `badge` inside the `product-image`.

6. Customizing Tables with CSS

- Add a border to the table with the class `product-specs`.
- Set the background color of table rows to alternate between white and light gray.
- Add a hover effect to table rows, changing the background color to light blue when hovered over.

7. Customizing Forms with CSS

- Style the text inputs and labels inside the `contact-form`.
- Customize the submit button to have a background color of #4CAF50, white text, and padding of 10px 20px.
- Use a fieldset to group the input fields and style the legend to have bold text and a bottom border.

8. Review and Test

- Review your HTML and CSS to ensure all elements are styled correctly and the CSS rules are applied as expected.
- Experiment with different styles and properties to see how they affect your webpage.

4. Output

The screenshot shows a mobile website layout. At the top, there is a horizontal banner with the text "Our Products" and several small images of baked goods. Below this, on the left, is a product detail card featuring a large image of a loaf of bread with a "New" badge, followed by the product name and a brief description. To the right of the card is a table showing product details like weight, color, and material. Further down is another horizontal banner with the same "Our Products" text and images. On the right side of the screen, there is a contact form titled "Contact Us" with fields for Name and Email, and a green "Submit" button. At the very bottom, there is a grey footer bar with the text "© 2024 Online Store".

5. Supplementary Activity

HTML

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

<link href="https://fonts.googleapis.com/css2?family=Lato:wght@300;400;700&display=swap" rel="stylesheet">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.0/css/all.min.css">
```

```
<link rel="stylesheet" href="hoa3.3-supple_Bautista.css">
</head>

<body>

<nav>
    <div class="logo">SuperBake</div>
    <div class="nav-icons">
        <i class="fa-solid fa-house"></i>
        <i class="fa-solid fa-cart-shopping"></i>
        <i class="fa-solid fa-magnifying-glass"></i>
    </div>
</nav>

<section class="hero">
    <h1>Making Your Day Super, One Bread at a Time</h1>
</section>

<section class="info-section">
    <div class="info-box">
        <h3>Order Cutoff</h3>
        <p>Orders close daily at 6:00 PM</p>
    </div>

    <div class="info-box">
        <h3>Shipping Areas</h3>
        <p>Metro Manila Locations Only</p>
    </div>
</section>

<section class="products">
    <h2>Our Breads</h2>

    <div class="product-grid">

        <div class="card">
            
            <div class="card-body">
                <h4>Chocolate Bread</h4>
                <p>Soft bread with chocolate filling.</p>
                <button>Add to Cart</button>
            </div>
        </div>

        <div class="card">
            
            <div class="card-body">
```

```

        <h4>Cheese Bread</h4>
        <p>Rich and cheesy delight.</p>
        <button>Add to Cart</button>
    </div>
</div>

<div class="card">
    
    <div class="card-body">
        <h4>Garlic Bread</h4>
        <p>Perfect with pasta meals.</p>
        <button>Add to Cart</button>
    </div>
</div>

</div>
</section>

<section class="login-section">
    <div class="login-box">
        <h3>Login</h3>
        <input type="text" placeholder="Username">
        <input type="password" placeholder="Password">
        <button>Login</button>
    </div>
</section>

<footer>
    <p>© 2026 SuperBake Bakery</p>
</footer>

</body>
</html>

```

CSS

```

*{
    margin:0;
    padding:0;
    box-sizing:border-box;
    font-family:'Lato', sans-serif;
}

body{
    background:#f3f3f3;
    color:#333;
}

```

```
}

nav{
    background:#777;
    padding:15px 40px;
    display:flex;
    justify-content:space-between;
    align-items:center;
}

.logo{
    font-size:24px;
    font-weight:700;
    color:white;
}

.nav-icons i{
    color:white;
    font-size:20px;
    margin-left:20px;
    cursor:pointer;
}

.hero{
    height:400px;
    background:
        linear-gradient(
            rgba(0,0,0,0.55),
            rgba(0,0,0,0.55)
        ),
        url("intro.jpg");
    background-size:cover;
    background-position:center;
    display:flex;
    align-items:center;
    justify-content:center;
}

.hero h1{
    background:rgba(0,0,0,0.6);
    color:white;
    padding:20px 40px;
    border-radius:10px;
}

.info-section{
    display:flex;
    justify-content:center;
    gap:30px;
    padding:50px;
```

```
}

.info-box{
    background:#e0d6cc;
    padding:30px;
    width:300px;
    border-radius:10px;
    text-align:center;
}

.info-box h3{
    margin-bottom:10px;
    color:#5a3e2b;
}

.products{
    padding:50px;
    text-align:center;
}

.products h2{
    margin-bottom:30px;
    color:#5a3e2b;
}

.product-grid{
    display:grid;
    grid-template-columns:repeat(auto-fit, minmax(220px, 1fr));
    gap:30px;
}

.card{
    background:white;
    border-radius:10px;
    overflow:hidden;
    box-shadow:0 4px 10px rgba(0,0,0,0.2);
}

.card img{
    width:100%;
    height:250px;
    object-fit:cover;
}

.card-body{
    padding:15px;
}

.card-body h4{
    margin-bottom:10px;
```

```
}

.card-body button{
    background:red;
    color:white;
    border:none;
    margin-top: 5px;
    padding:10px 15px;
    border-radius:5px;
    cursor:pointer;
}

.card-body button:hover{
    background:darkred;
}

.login-section{
    display:flex;
    justify-content:center;
    padding:50px;
}

.login-box{
    background:white;
    padding:30px;
    width:300px;
    border-radius:10px;
    box-shadow:0 4px 10px rgba(0,0,0,0.2);
}

.login-box h3{
    text-align:center;
    margin-bottom:20px;
}

.login-box input{
    width:100%;
    padding:10px;
    margin-bottom:15px;
}

.login-box button{
    width:100%;
    background:#5a3e2b ;
    color:white;
    padding:10px;
    border:none;
    cursor:pointer;
}
```

```
.login-box button:hover{  
    background:#3f2b1f;  
}
```

```
footer{  
    background:#777;  
    color:white;  
    text-align:center;  
    padding:20px;  
}
```

The screenshot shows the homepage of the SuperBake website. At the top, there's a banner with the text "Making Your Day Super, One Bread at a Time". Below the banner, there are two informational boxes: "Order Cutoff" (Orders close daily at 6:00 PM) and "Shipping Areas" (Metro Manila Locations Only). The main content area features a section titled "Our Breads" with three items: Chocolate Bread, Cheese Bread, and Garlic Bread, each with a small image and a "Add to Cart" button. At the bottom, there's a login form with fields for Username and Password, and a "Login" button. The footer contains the text "© 2026 SuperBake Bakery".

CONCLUSION

After performing this activity I was able to learn about layouting techniques in CSS. This activity helped me understand a fundamental concept of layouts and spacing in website creation which is the Box Model. Also I learned the different styling techniques for controlling spaces which are margins, padding, and

borders. These learnings I was able to use in a simple bakery website wherein it tried to create different divs or elements and try to create proper spacing on the elements. In this website I was able to create different spaces for images and place them accordingly on to the page. Overall this activity helped me understand layout in CSS and HTML.