Lab task: 6

*PRODUCT GALLERY*

Apply all these CSS concepts covered on a products gallery webpage with at least 12 products showing along with their images titles and prices.

HTML FILE:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Product Gallery</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<h1>Product Gallery</h1>

<div class="gallery">

<div class="product" data-category="electronics">

<img src="product1.jpg" alt="Smartphone">

<h2>Smartphone</h2>

<p class="price">$500</p>

</div>

<div class="product" data-category="clothing">

<img src="product2.jpg" alt="T-Shirt">

<h2>T-Shirt</h2>

<p class="price">$20</p>

</div>

<div class="product" data-category="electronics">

<img src="product3.jpg" alt="Headphones">

<h2>Headphones</h2>

<p class="price">$100</p>

</div>

<div class="product" data-category="clothing">

<img src="product4.jpg" alt="Jeans">

<h2>Jeans</h2>

<p class="price">$40</p>

</div>

<div class="product" data-category="home">

<img src="product5.jpg" alt="Lamp">

<h2>Lamp</h2>

<p class="price">$25</p>

</div>

<div class="product" data-category="home">

<img src="product6.jpg" alt="Chair">

<h2>Chair</h2>

<p class="price">$60</p>

</div>

<div class="product" data-category="electronics">

<img src="product7.jpg" alt="Laptop">

<h2>Laptop</h2>

<p class="price">$800</p>

</div>

<div class="product" data-category="clothing">

<img src="product8.jpg" alt="Sneakers"> <h2>Sneakers</h2>

<p class="price">$70</p>

</div>

<div class="product" data-category="home">

<img src="product9.jpg" alt="Table">

<h2>Table</h2>

<p class="price">$150</p>

</div>

<div class="product" data-category="electronics">

<img src="product10.jpg" alt="Smartwatch">

<h2>Smartwatch</h2>

<p class="price">$250</p>

</div>

<div class="product" data-category="home">

<img src="product11.jpg" alt="Wall Clock">

<h2>Wall Clock</h2>

<p class="price">$35</p>

</div>

<div class="product" data-category="clothing">

<img src="product12.jpg" alt="Jacket">

<h2>Jacket</h2>

<p class="price">$100</p>

</div>

</div>

</body>

</html>

CSS FILE:

/\* General Styling \*/ body { font-family: Arial, sans-serif; background-color: #f4f4f4; text-align: center;

}

h1 { color: #333;

}

/\* Gallery Grid \*/ .gallery { display: grid; grid-template-columns: repeat(4, 1fr); gap: 20px; padding: 20px;

}

/\* Product Box \*/ .product { background: white; padding: 15px; border-radius: 8px; box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1); transition: transform 0.3s;

}

/\* Combinator Selectors \*/

/\* 1. Descendant Selector - Style all h2 inside .product \*/

.product h2 { color: #333;

}

/\* 2. Child Selector - Style immediate child paragraph \*/

.product > .price { font-weight: bold; color: green;

}

/\* 3. Adjacent Sibling - Change price color when it comes immediately after h2 \*/ h2 + .price { color: red;

}

/\* 4. General Sibling - Style all paragraphs after h2 \*/ h2 ~ p { font-size: 16px;

}

/\* Pseudo-Classes \*/

/\* 1. Hover Effect \*/ .product:hover { transform: scale(1.05);

}

/\* 2. nth-child for alternating background colors \*/

.product:nth-child(even) { background-color: #e0e0e0;

}

/\* Pseudo-Elements \*/ /\* 1. Add "::before" content before h2 \*/ h2::before { content: "?? ";

}

/\* 2. Style the first letter of h2 \*/ h2::first-letter { font-size: 24px; color: blue;

}

/\* Attribute Selectors \*/

/\* 1. Style images with an "alt" attribute \*/ img[alt] { border-radius: 10px; width: 100px; height: 100px;

}

/\* 2. Style products based on category \*/ .product[data-category="electronics"] { border: 2px solid blue;

}

.product[data-category="clothing"] { border: 2px solid green;

}

.product[data-category="home"] { border: 2px solid brown;

}

OUTPUT:



