Assignment No 04:

Enhance the page by adding CSS3 animations to the menu and form elements. Also, use media queries to make the page responsive, ensuring it looks good on both desktop and mobile screen sizes.

HTML File: -

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Sample HTML Page</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>
    <header>
        <h1>Welcome!</h1>
        <nav>
            <ul class="menu">
                <li><a href="#home">Home</a></li>
                <li><a href="#products">Products</a></li>
                <li><a href="#reviews">Reviews</a></li>
                <li><a href="#contact">Contact Us</a></li>
            </ul>
        </nav>
    </header>

    <main>
        <section id="home">
            <h2>Welcome!</h2>
            <p>This is a sample HTML page demonstrating various elements.</p>
        </section>

        <h2>Products</h2>
        <section id="products">
            <p>Here's a list of some popular products:</p>
            <ul>
                <li>Product 1</li>
                <li>Product 2</li>
                <li>Product 3</li>
```

```html
        </ul>
</section>

<h2>Customer Reviews</h2>
<section id="reviews">
    <article>
        <h3>Review for Product 1</h3>
        <p>"This product is amazing! I highly recommend it."</p>
        <p>- John Doe</p>
    </article>
</section>

<h2>Product Information</h2>
<table id="product-info">
    <thead>
        <tr>
            <th>Product Name</th>
            <th>Price</th>
            <th>Stock</th>
        </tr>
    </thead>
    <tbody>
        <tr>
            <td>Headphones</td>
            <td>$49.99</td>
            <td>In Stock</td>
        </tr>
        <tr>
            <td>Laptop</td>
            <td>$799.99</td>
            <td>Low Stock</td>
        </tr>
    </tbody>
</table>

<h2>Contact Us</h2>
<section id="contact">
    <form class="contact-form">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>
        <br>
        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required>
        <br>
        <br>
        <button type="submit">Submit</button>
    </form>
</section>
```

```
    </main>

</body>
</html>
```

CSS: -

```css
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
}

header {
    background-color: #f0f0f0;
    padding: 10px;
    display: flex; /* Flexbox for better alignment on smaller screens */
    justify-content: space-between;
}

.menu {
    list-style: none;
    padding: 0;
    margin: 0;
    display: flex;
    justify-content: space-between;
}

.menu li {
    display: inline-block;
    margin-right: 20px;
}

.menu a {
    text-decoration: none;
    color: black;
    padding: 10px;
}

.menu a:hover {
    color: #333;
}

/* Improved Animations with Clearer Timing and Easing */
nav {
    animation: slideInDown 0.5s ease-in-out forwards;
}
```

```css
@keyframes slideInDown {
    from {
        opacity: 0;
        transform: translateY(-100%); /* Consistent units (percentage) */
    }
    to {
        opacity: 1;
        transform: translateY(0);
    }
}

.contact-form {
    animation: slideUp 0.5s ease-in-out forwards;
}

@keyframes slideUp {
    from {
        opacity: 0;
        transform: translateY(100%);
```

Output: -

Welcome!

This is a sample HTML page demonstrating various elements.

Products

Here's a list of some popular products:

- Product 1
- Product 2
- Product 3

Customer Reviews

Review for Product 1

"This product is amazing! I highly recommend it."

- John Doe

Product Information

Product Name	Price	Stock
Headphones	$49.99	In Stock
Laptop	$799.99	Low Stock

Contact Us

Name: [   ]
Email: [   ]

[Submit]