

CSS LAB MANUAL



Prepared by:

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Batch: 2023-27

Dept. of CSE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



**INSTITUTE OF TECHNOLOGY AND MANAGEMENT
SKILLS UNIVERSITY,
KHARGHAR, NAVI MUMBAI**

CERTIFICATE

This is to certify that Mr. / Ms.. Arpita Jadhav

Roll No. 150096723028 of _____ Semester of B.Tech Computer Science & Engineering of ITM Skills University, Kharghar, Navi Mumbai , has completed the term work satisfactorily in subject CSS3 for the academic year 20_24 - 20_25 as prescribed in the curriculum.

Place: Mumbai

Date: 06/04/2024

Subject I/C

HOD

INDEX

Exp. No	List of Experiment	Date of Submission	Sign
1	<p>Design a web page using CSS (Cascading Style Sheets) which includes the following:</p> <p>1) Use different font, styles: In the style definition you define how each selector should work (font,color etc.). Then, in the body of your pages, you refer to these selectors to activate the styles.</p>		
2	Write a HTML/CSS program to develop a static Web Page for Shopping Cart.		
3	<p>Design the following static web pages required for an online bookstore web site.</p> <ol style="list-style-type: none"> 1) HOME PAGE: The static home page must contain three frames. 2) LOGIN PAGE 3) CATALOGUE PAGE: The catalogue page should contain the details of all the books available in the web site in a table. 4) REGISTRATION PAGE 		
4	<p>Create a external style sheet named as “external_css.css” and provide some styles for h2, hr, p & a tags. Create an html file named as “4Style_sheet.html”</p> <ul style="list-style-type: none"> • Include the external style sheet with necessary tag. 		

	<ul style="list-style-type: none">• Include the internal style sheet for body tags & also use class name,so that the style can be applied for all tags.• Include a <p> tags with inline style sheet.		
5	WEB SITE project		

Name of Student: Arpita Jadhav

Roll Number: 28

Experiment No: 01

Title:

1. Design a web page using CSS (Cascading Style Sheets) which includes the following:

Use different font, styles:

In the style definition you define how each selector should work (font, colour etc.). Then, in the body of your pages, you refer to these selectors to activate the styles.

Theory:

In web development, HTML and CSS collaborate to craft visually appealing and structured web pages. The HTML markup outlines the page's structure, incorporating elements such as headings, paragraphs, and class attributes for styling purposes. CSS, on the other hand, enriches the presentation by applying styles like font family, size, and colors to designated elements like headings and paragraphs. This synergy between HTML and CSS empowers developers to create cohesive and aesthetically pleasing web pages.

-->

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Styled Page</title>
    <style>
      body {
        font-family: "Times New Roman", Times, serif;
        font-size: 16px;
        color: #666;
      }
      h1 {
        font-size: 36px;
        color: rgb(115, 214, 128);
      }
      p {
        font-size: 20px;
        color: #f80;
      }
      .highlight {
        background-color: #ff0;
        color: #f00;
      }
    </style>
  </head>
  <body>
    <h1>Hello, World!</h1>
    <p>This is a styled page.</p>
    <div class="highlight">This text is highlighted.</div>
  </body>
</html>
```

```
        }
    </style>
</head>
<body>
    <h1>WELCOME TO MY STYLED PAGE </h1> <!-- Changed heading content -->
    <p>This is a simple sentence.</p> <!-- Changed paragraph content -->
    <p class="highlight">This is a brightly colored sentence.</p> <!--
Changed highlighted paragraph content -->
</body>
</html>
```

Output: (screenshot)

WELCOME TO MY STYLED PAGE

This is a simple sentence.

This is a brightly colored sentence.

Conclusion:

The interplay between HTML and CSS showcased in the provided code exemplifies the art of crafting visually captivating and meticulously structured web pages. By grasping the symbiotic relationship between HTML's structural markup and CSS's styling capabilities, developers gain the ability to fashion engaging and well-organized websites. This code serves as an invaluable primer for delving into more advanced techniques in web development and design, laying a solid foundation for creating compelling digital experiences.

Name of Student: Arpita Jadhav

Roll Number: 28

Experiment No: 02

Title:

2. Write a HTML/CSS program to develop a static Web Page for Shopping Cart.

Theory:

In the provided HTML code, a shopping cart page is meticulously crafted, with each item thoughtfully organized into distinct sections. Within these sections, item details, quantity adjustments, and pricing information are seamlessly integrated, offering users a comprehensive shopping experience. The accompanying CSS elevates the page's aesthetic appeal with responsive layouts, consistent typography, and well-calibrated spacing. Through the strategic use of classes, both in HTML and CSS, the code achieves modularity and flexibility, enabling effortless styling and maintenance.

Code:

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Shopping Cart</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>
    <div class="container">
        <h1 class="page-title">Your Shopping Cart</h1>
        <div class="cart-items">
            <div class="cart-item">
                
                <div class="item-details">
                    <h2>Evil-eye bracelet</h2>
                    <p>Embrace timeless charm with our Brass Golden Evil Eye Bracelet. Adjustable to fit any wrist size, this top-selling accessory offers both style and protection. Shop now and add a touch of mystique to your ensemble.</p>
                    <div class="price-counter">
                        <span class="price">₹600.00</span>
                        <div class="counter">
                            <button>--</button>
                            <span>1</span>
                            <button>+</button>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</body>
```

Evil-eye bracelet
Embrace timeless charm with our Brass Golden Evil Eye Bracelet. Adjustable to fit any wrist size, this top-selling accessory offers both style and protection. Shop now and add a touch of mystique to your ensemble.

```
                </div>
            </div>
        </div>[REDACTED]
<div class="cart-item">
    
    <div class="item-details">[REDACTED]
        <h2>Three Element gold bracelet</h2>
        <p>Add a touch of elegance to your wrist with our Rashi E-Commerce Bracelet. Featuring three delicately intertwined circles in golden, silver, and rose gold hues, accented with a heart-shaped charm and two charming bow knots. Crafted with glass diamonds and an adjustable design, it's the perfect accessory for any occasion.</p>
        <div class="price-counter">[REDACTED]
            <span class="price">₹850.00</span>
            <div class="counter">[REDACTED]
                <button>-</button>
                <span>1</span>[REDACTED]
                <button>+</button>
            </div>
        </div>
    </div>[REDACTED]
<div class="cart-item">
    
    <div class="item-details">[REDACTED]
        <h2>Rose Gold Bracelet</h2>
        <p>Indulge in timeless elegance with our exquisite rose-gold bracelet, adorned with sparkling diamonds for a touch of luxury. Elevate your style effortlessly with this stunning piece from Ruby Jewellery.</p>
        <div class="price-counter">[REDACTED]
            <span class="price">₹300.00</span>
            <div class="counter">[REDACTED]
                <button>-</button>
                <span>1</span>[REDACTED]
                <button>+</button>
            </div>
        </div>
    </div>[REDACTED]
</div>[REDACTED]
<div class="checkout-section">
    <div class="total-price">[REDACTED]
        <h3>Total: ₹1750.00</h3>
    </div>
    <button class="checkout-btn">Proceed to Checkout</button>
</div>
</div>[REDACTED]
```

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

CSS:

```
body {
    font-family: "Arial", sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f0f3f4; /* Pastel background color */
}

.container {
    max-width: 600px; /* Adjusted max-width */
    margin: 50px auto; /* Adjusted margin */
    padding: 20px; /* Adjusted padding */
    background-color: #fdfdfd; /* Light pastel background color */
    box-shadow: 0 0 15px rgba(0, 0, 0, 0.2);
    border-radius: 15px;
}

.page-title {
    text-align: center;
    color: #333;
}

.cart-items {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));
    gap: 30px;
}

.cart-item {
    border-radius: 15px;
    padding: 20px;
    background-color: #e1efff; /* Pastel blue background color */
}

.cart-item img {
    max-width: 100%;
    border-radius: 8px;
}

.item-details h2 {
    color: #5c6ac4; /* Purple title color */
}

.item-details p {
    color: #333;
}
```

```
.price-counter {  
    display: flex;  
    justify-content: space-between;  
    align-items: center;  
}  
  
.price {  
    font-size: 20px;  
    font-weight: bold;  
}  
  
.counter button {  
    background-color: #e55039; /* Coral button color */  
    color: #fff;  
    border: none;  
    padding: 8px 15px;  
    cursor: pointer;  
    border-radius: 5px;  
    margin: 0 10px;  
}  
  
.checkout-section {  
    display: flex;  
    justify-content: flex-end;  
    border-top: 2px solid #eaeaea;  
    padding-top: 30px;  
}  
  
.checkout-section button {  
    background-color: #4caf50; /* Pastel green button color */  
    color: #fff;  
    border: none;  
    padding: 12px 25px;  
    cursor: pointer;  
    border-radius: 5px;  
    font-size: 20px;  
}  
  
.checkout-section button:hover {  
    background-color: #45a049; /* Darker shade of green on hover */  
}  
  
/* Additional Item Styles */  
.additional-item {  
    background-color: #f7ede2; /* Pastel peach background color */  
    border-radius: 15px;  
    padding: 20px;  
    margin-bottom: 30px;  
}
```

```

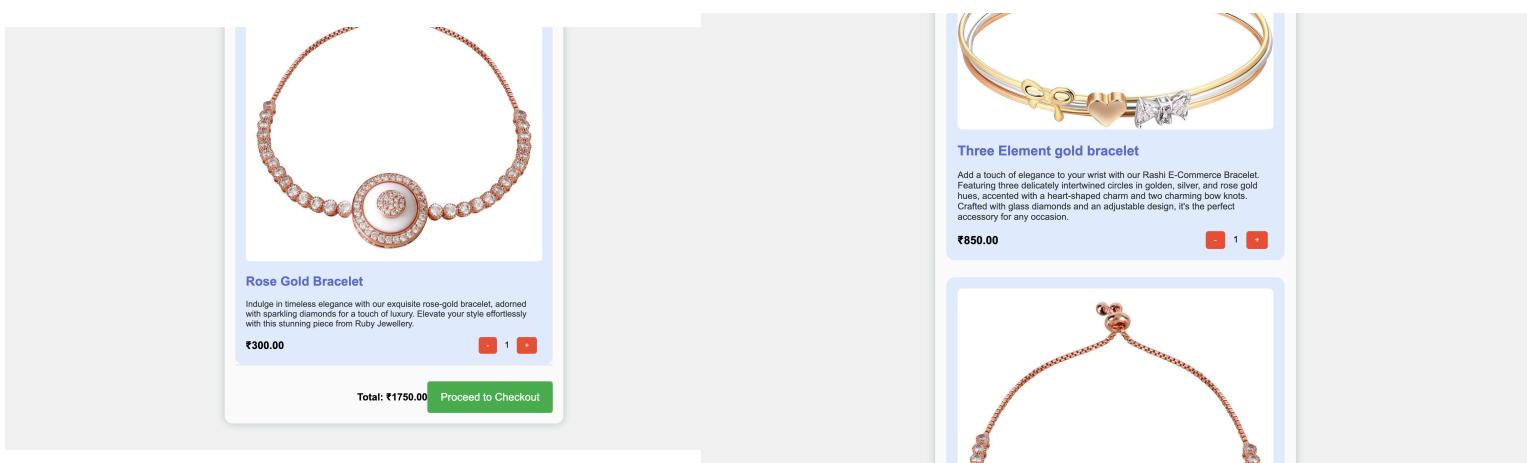
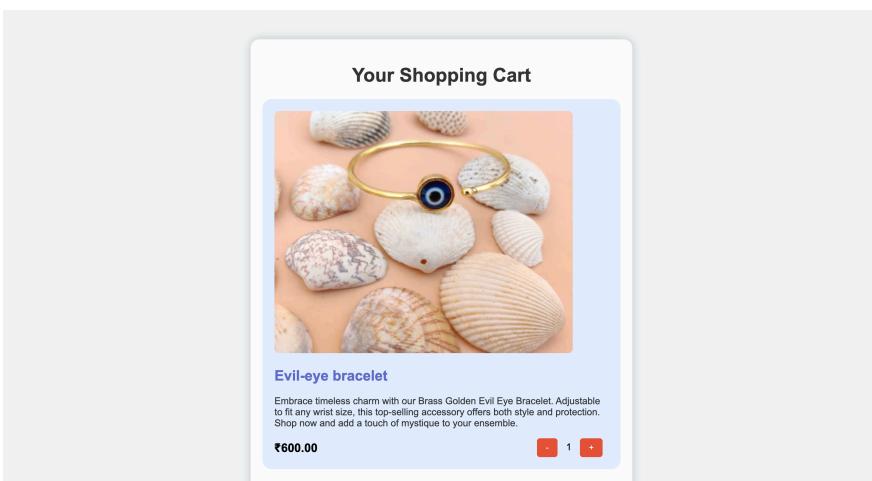
.additional-item h4 {
    color: #f39c12; /* Orange title color */
}

.additional-item p {
    color: #555;
}

.additional-item img {
    width: 100px;
    margin-right: 20px;
    border-radius: 8px;
}

```

Output: (screenshot)



Conclusion:

Through the harmonious integration of HTML for structure and CSS for styling, the shopping cart page achieves both organization and visual allure. The page's responsive layout effortlessly adapts to different screen sizes, ensuring a seamless user experience across devices. With a focus on modularity and readability, the use of classes in HTML and CSS fosters code maintainability and scalability. Overall, this code sets a high standard for creating effective and visually appealing shopping cart interfaces on websites.

-->

Name of Student: Arpita Jadhav

Roll Number: 28

Experiment No: 03

Title:

3. Design the following static web pages required for an online bookstore web site.

- 1) HOME PAGE:** The static home page must contain three frames.
- 2) LOGIN PAGE**
- 3) CATALOGUE PAGE:** The catalogue page should contain the details of all the books available in the website in a table.
- 4) REGISTRATION PAGE**

Theory:

The provided HTML code offers a comprehensive framework for a dynamic bookstore website, meticulously structured to enhance user engagement and browsing efficiency. With dedicated sections for book listings, categories, and a user-friendly search bar, visitors can easily navigate through the extensive collection of titles. Each book listing is thoughtfully crafted with essential details such as title, author, description, and price, ensuring informed decision-making. CSS styles the webpage with finesse, employing responsive layouts, harmonious typography, and a cohesive color palette to elevate the visual appeal. By leveraging classes and IDs judiciously, the code facilitates targeted styling and seamless integration of interactive elements, empowering users to explore the bookstore effortlessly.

*/

Code:

bookstore.css:

```
@import url('https://fonts.googleapis.com/css2?  
family=Merienda&display=swap');
```

```
body {  
  background-color: #E6E6FA;  
  font-family: 'Merienda', cursive;  
  color: #333;  
}
```

```
.container {  
  max-width: 1200px;  
  margin: 0 auto;  
  padding: 20px;  
}
```

```
.header {  
  text-align: center;  
  margin-bottom: 40px;  
}
```

```
h1 {  
  font-size: 36px;  
  margin-bottom: 20px;  
}
```

```
p {  
  font-size: 18px;  
  line-height: 1.6;  
  margin-bottom: 20px;  
}
```

```
a {  
  color: #FFB6C1;  
  text-decoration: none;  
  transition: color 0.3s ease;  
}
```

```
a:hover {  
  color: #FF69B4;  
}
```

```
.button {  
  display: inline-block;  
  padding: 10px 20px;  
  background-color: #FFA07A;  
  color: #FFF;
```

```
border-radius: 5px;
text-decoration: none;
transition: background-color 0.3s ease;
}
```

```
.button:hover {
  background-color: #FF6347;
}
```

Catalogue.html:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Catalogue Page</title>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <link href="bookstore.css" rel="stylesheet" />
    <style>
```

```
  table {
    width: 100%;
    border-collapse: collapse;
  }
```

```
  th,
  td {
    border: 1px solid black;
    padding: 8px;
  }
  td {
    background-color: rgb(189, 255, 247);
  }
  th {
    background-color: #b08989;
  }
```

```
body {
  background-color: rgb(83, 149, 235);
  text-align: center;
}
```

```
h1{
  font-size: 3rem;
}
```

```
.price{
  font-weight: 700;
}
</style>
</head>
```

```

<body>
  <h1>Our Book Catalogue</h1>
  <br /><br />
  <nav class="flex-containers" id="home">
    <a href="home.html" style="margin-right: 150px; margin-left: 150px;">HOME</a>
    >
    <a href="login.html" style="margin-right: 100px;">LOGIN</a>
    <a href="registration.html" style="margin-right: 75px;">REGISTRATION</a>
  </nav>
  <br /><br /><br />
  <table>
    <tr>
      <th>Title</th>
      <th>Author</th>
      <th class="price">Price</th>
    </tr>
    <tr>
      <td>Art Of War</td>
      <td>Sun Tzu</td>
      <td class="price">$19.99</td>
    </tr>
    <tr>
      <td>Harry Potter</td>
      <td>J.K Rowling</td>
      <td class="price">$24.99</td>
    </tr>
    <tr>
      <td>Diary Of A Wimpy Kid</td>
      <td>Jeff Kinley</td>
      <td class="price">$29.99</td>
    </tr>
  </table>
  <br /><br /><br />
  <footer>
    <p>Copyright © 2023 My Online Bookstore</p>
  </footer>
</body>
</html>

```

Home.html:

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Home Page</title>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />

```

```
<link href="bookstore.css" rel="stylesheet" />
<style>
    body {
        background-color: #edacac;
        text-align: left;
    }
    .xyz {
        display: inline-block;
        text-align: left;
    }
</style>
</head>
<body>
    <header>
        <h1 style="text-align: center">Welcome to our Bookstore</h1>
    </header>
    <br />
    <nav class="flex-container" id="home">
        <a href="login.html" style="margin-right: 100px; margin-left: 100px;">LOGIN</a>
        >
        <a href="registration.html" style="margin-right: 100px;">REGISTRATION</a>
        <a href="catalogue.html">BROWSE OUR CATALOGUE</a>
    </nav>
    <br />
    <h2>Featured Books</h2>
    <div class="flex-container">
        
        <ul>
            <li>Atomic Habits</li>
            <li>Rich Dad, Poor Dad</li>
            <li>The Lunar Chronicles</li>
            <li>Ikigai</li>
            <li>Time Machine: H.G. Wells</li>
            <li>Arthashastra: Kautilya</li>
            <li>One of Us Is Lying</li>
            <li>Geetanjali: Rabindra Nath Tagore</li>
            <li>Salt to the Sea</li>
            <li>A passage to India: E.M. Forster</li>
        </ul>
    </div>
    <br />
```

```
<br />
<br />
<br />
<br />
<br />
<footer>
    <p style="text-align: center">Copyright © 2023 My Online
Bookstore</p>
</footer>
</body>
</html>
```

Homepage.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Home Page</title>
</head>
<frameset cols="25%, 50%, *">
    <frame src="login.html" name="login">
    <frame src="home.html" name="home">
    <frame src="registration.html" name="registration">
</frameset>
</html>
```

Login.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Login Page</title>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-
scale=1" />
    <link href="bookstore.css" rel="stylesheet" />
<style>
    body {
        background-color: #e5bbcb;
        text-align: center;
    }
</style>
</head>
<body>
    <h1>Login to Your Account</h1>
    <nav class="flex-containers" id="home">
        <a href="home.html" style="margin-right: 150px">HOME</a>
        <a href="registration.html" style="margin-left: 50px">REGISTER
ACCOUNT</a>
```

```
<br /><br /><br /><br /><br />
</nav>[REDACTED]
<form>
  <fieldset>
    <label for="email">Email:</label>
    <input type="email" name="email" id="email" required /><br /><br />
/>[REDACTED]
    <label for="password">Password:</label>
    <input type="password" name="password" id="password" required />
    /><br /><br />
    <input type="submit" value="Login" style="width: 75px; height: 25px;" class="button" />
  </fieldset>
</form>[REDACTED]
<br />[REDACTED]
<footer>
  <p style="text-align: center">Copyright © 2023 My Online Bookstore</p>
</footer>
</body>[REDACTED]
</html>
```

Registration.html:

```
<!DOCTYPE html>
<html lang="en">
  <head>[REDACTED]
    <title>Registration Page</title>
    <meta charset="UTF-8" />[REDACTED]
    <meta name="viewport" content="width=device-width, initial-scale=1" />[REDACTED]
    <link href="bookstore.css" rel="stylesheet" />
    <style>[REDACTED]
      body {
        background-color: #e4a5a5;
        text-align: center;[REDACTED]
      }
    </style>
  </head>[REDACTED]
  <body>
    <h1>Create a New Account</h1>
    <nav class="flex-containers" id="home">
      <a href="home.html" style="margin-right: 150px">HOME</a>
```

```
<a href="login.html" style="margin-left: 50px">LOGIN</a>
  ><br /><br /><br /><br />
</nav>
<form>
  <fieldset>
    <label for="email">Email:</label>
    <input type="email" name="email" id="email" required /><br /><br />
  />
    <label for="password">Password:</label>
    <input type="password" name="password" id="password" required /><br /><br />
    <label for="name">Name:</label>
    <input type="text" name="name" id="name" required /><br /><br />
    <label for="phone">Phone:</label>
    <input type="tel" name="phone" id="phone" required /><br /><br />
  />
    <label for="address">Address:</label>
    <textarea name="address" id="address" required></textarea><br />
  <br />
    <input type="submit" value="Register" style="width: 75px; height: 25px;" class="button" />
  </fieldset>
</form>
<br /><br /><br />
<footer>
  <p>Copyright © 2023 My Online Bookstore</p>
</footer>
</body>
</html>
```

Output: (screenshot)

Login to Your Account

[HOME](#) [REGISTER](#)

[ACCOUNT](#)

Email:

Password:

Copyright © 2023 My Online Bookstore

Welcome to our Bookstore

[LOGIN](#) [REGISTRATION](#) [BROWSE OUR CATALOGUE](#)

Featured Books



- Atomic Habits
- Rich Dad, Poor Dad
- The Lunar Chronicles
- Ikigai
- Time Machine: H.G. Wells
- Arthashastra: Kautilya
- One of Us Is Lying
- Geetanjali: Rabindra Nath Tagore
- Salt to the Sea
- A Passage to India: E.M. Forster

Copyright © 2023 My Online Bookstore

Create a New Account

[HOME](#) [LOGIN](#)

Email:

Password:

Name:

Phone:

Address:

Copyright © 2023 My Online Bookstore

Conclusion:

By harmoniously blending HTML's structural prowess with CSS's styling finesse, the bookstore website emerges as a beacon of user-centric design and functionality. Its responsive layout adapts seamlessly to various screen sizes, fostering accessibility and inclusivity. Through the strategic implementation of classes, IDs, and semantic HTML elements, the code not only enhances readability but also lays the groundwork for scalability and ease of maintenance. Overall, this code serves as a shining example of best practices in online bookstore development, offering a delightful browsing experience for book enthusiasts of all stripes.

Name of Student: Arpita Jadhav

Roll Number: 28

Experiment No: 04

Title:

4. Create a external style sheet named as “external_css.css” and provide some styles for h2, hr, p & a tags. Create an html file named as “4Style_sheet.html”

- Include the external style sheet with necessary tag.
- Include the internal style sheet for body tags & also use class name, so that the style can be applied for all tags.
- Include a `<p>` tags with inline style sheet.

Theory:

The HTML code lays the foundation for a versatile webpage, featuring a navigable header and informative sections adorned with headings, paragraphs, and hyperlinks. Leveraging both internal and external CSS styles, the design harmonizes font choices, color schemes, and layout aesthetics. The integration of an external CSS file further enriches the visual appeal, while inline styles and class selectors fine-tune specific elements for enhanced presentation. Through this meticulous approach, the webpage achieves a balanced blend of structure and style, setting the stage for a captivating user experience.

Code:

4Style_sheet.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Style Sheet Example</title>
    <link rel="stylesheet" href="external_css.css">

    <style>
        body {
            font-family: Arial, sans-serif;
            line-height: 1.6;
            background-color: #f4f4f4;
            margin: 0;
            padding: 0;
        }

        .custom-style {
            font-size: 18px;
            color: #555;
        }
    </style>

</head>

<body>
    <header>
        <h1>Welcome to our Site</h1>
        <nav>
            <ul>
                <li><a href="#">Home</a></li>
                <li><a href="#">About Us</a></li>
                <li><a href="#">Services</a></li>
                <li><a href="#">Contact</a></li>
            </ul>
        </nav>
    </header>
```

```
<section>
  <h2>This is the Main Heading</h2>
  <hr>
  <p class="custom-style">This is a paragraph with custom styling.</p>
  <p style="color: rgb(107, 17, 166);">This is another paragraph with
  inline styling.</p>
  <a href="#">Click here</a> to navigate our website.
</section>
```

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

```
external_css.css:
```

```
h2 {
  color: #444;
  font-size: 26px;
  margin-bottom: 10px;
}
```

```
hr {
  border: 2px solid #ccc;
}
```

```
p {
  color: #777;
  font-size: 17px;
}
```

```
a {
  color: #dc3545;
  text-decoration: none;
  transition: color 0.3s ease;
}
```

```
a:hover {
  text-decoration: underline;
  color: #c82333;
}
```

Output: (screenshot)

Welcome to our Site

- Home
- About Us
- Services
- Contact

This is the Main Heading

This is a paragraph with custom styling.

This is another paragraph with inline styling.

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Conclusion:

In conclusion, the amalgamation of internal and external CSS styles in the provided HTML code exemplifies the artistry of web design, where structure and style converge to create an immersive user experience. By modularizing design elements through class selectors and leveraging external CSS for broader thematic consistency, the webpage achieves a harmonious balance between aesthetics and functionality. This approach not only enhances code maintainability but also empowers developers to iterate and refine the design iteratively. Ultimately, the code stands

as a testament to the power of HTML and CSS in shaping captivating digital environments.