Hands-on Exercise to Create a Static E-commerce Website

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0.1 PART I: Individual Work

Objective: Create a basic e-commerce web page with multiple sections, including a heading, paragraph, link, image, and a table.

Instructions:

1. **Open a Text Editor:**
   - Choose a text editor like Visual Studio Code or WebStorm.
2. **Write the Basic HTML Structure:**

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My E-commerce Website</title>
  <meta name="description" content="An example e-commerce website">
  <meta name="keywords" content="e-commerce, online store, products">
  <meta name="author" content="Your Name">
</head>
<body>
</body>
</html>
```

3. **Create a navigation bar:**

```
  <nav>
 <ul>
   <li><a href="index.html">Home</a></li>
   <li><a href="products.html">Products</a></li>
   <li><a href="about.html">About</a></li>
   <li><a href="contact.html">Contact</a></li>
 </ul>
  </nav>
```

4. **Add a heading and paragraph to the home page:**

```
<section>
   <h1>Welcome to My E-commerce Store</h1>
   <p>Discover our range of products and shop online.</p>
</section>
```

5. **Create a table on the « Products » page:**

```
<table>
  <thead>
    <tr>
      <th>Product</th>
      <th>Price</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Product 1</td>
      <td>$19.99</td>
    </tr>
    <tr>
      <td>Product 2</td>
      <td>$29.99</td>
    </tr>
  </tbody>
</table>
```

6. **Add a description to the « About » page**:

```
<section>
  <h2>About Our Shop</h2>
   <p>We are a leading e-commerce store offering a wide range of products
at competitive prices. Our mission is to provide the best online shopping
```

```
experience for our customers.</p>
</section>
```

7. **Save the files:** Save each page with a `.html` extension (e.g., `index.html`, `about.html`, `contact.html`).
8. **Open the index page in a web browser:** You should see a basic web page with navigation links, a heading, a paragraph, a table, and a contact form.
9. **Improve the website by following these suggestions:**

- **Validate your HTML:** Use an HTML validator to ensure your code is correct and standards-compliant. https://validator.w3.org/
- **Test your pages:** Test your web pages in different browsers to ensure compatibility.
- add more realistic content about the products and the company.
- add more product pages and use links to navigate between them.
- **Use a consistent structure:** Maintain a consistent structure throughout your web pages for better organization and navigation.
- **Add more content:** Expand your web pages with additional sections, images, and links.
- **Accessibility Improvements:** Add ARIA roles and properties to improve accessibility. You have to make some research about ARIA.

1 PART II: Group Work

- **Goal:**
  - Once you have completed Part I, form groups of five students and start working on a simple e-commerce static website.
  - Demonstrate your knowledge and skills by building a more comprehensive project.
- **Requirements:**
  - Follow the guidelines and requirements outlined in Final Project and Review, mainly Part I.
  - Work only on the structure and content of the website. You will implement the design and styling in the next exercise.
  - Each group member should contribute to different sections of the website.