Case Study: Building a Simple One-Page Bookshop Gallery

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Objective

The goal of this case study is to create a simple one-page website for a fictional bookshop gallery. The website will showcase a few book titles with their cover images, descriptions, and prices. You will use **HTML** for structure and **CSS** for styling, with the help of the **Picocss** framework. This exercise allows beginners to explore various HTML tags, CSS properties, and the use of an external CSS framework.

Project Overview

You are tasked with building a one-page website for a fictional bookshop called **"Al Warraq"**. The page will display a selection of books, each with a title, cover image, short description, and price. Additionally, the page should have a simple header, navigation bar, and footer.

The design will be responsive, meaning it should look good on both desktop and mobile devices. You will use the **Picocss** framework to simplify styling and ensure consistency.

Features to Implement

1. **Header & Navigation:**
   - A header section with the title of the bookshop.
   - A simple navigation bar with links to other sections (e.g., Home, About, Contact).

2. **Bookshop Gallery:**
   - A grid or list displaying books.
   - Each book entry should include:
     - A cover image.
     - A title.
     - A brief description (1-2 sentences).
     - The price.
   - Use semantic HTML tags like `<section>`, `<article>`, and `<figure>` to structure the content.

3. **Footer:**
   - A footer with social media links (e.g., Facebook, Twitter) and contact information.

4. **Responsive Design:**
   - Ensure the layout adapts to both desktop and mobile devices using simple CSS media queries.

5. **Picocss Framework:**
   - Use the **Picocss** framework to provide base styling for your page.
   - You can customize colors, fonts, and spacing using CSS.

Picocss Setup

1. You will use **Picocss** to help with the basic layout and design. Include the Picocss stylesheet in the `<head>` of your HTML document:

```
<link
  rel="stylesheet"
  href="https://cdn.jsdelivr.net/npm/@picocss/pico@2/css/pico.min.css"
>
```

2. Picocss will already style basic HTML elements, but you can add custom styles to make the website more personalized. For instance, you can customize the header, gallery layout, and footer.

Section Breakdown

1. Header & Navigation

- Create a header with the title **"Al Warraq"**.
- Below the header, create a simple navigation bar with links to *Home*, *About*, and *Contact*. These links won't go anywhere for now (use `#` as the `href`).

Example HTML structure:

```
<header>
  <h1>Al Warraq</h1>
  <nav>
    <ul>
      <li><a href="#">Home</a></li>
      <li><a href="#">About</a></li>
      <li><a href="#">Contact</a></li>
    </ul>
  </nav>
</header>
```

2. Bookshop Gallery

- Use a `<section>` tag to contain the book gallery.
- For each book, use a `<figure>` element to wrap the book cover image and details.
- Inside the `<figure>`, use a `<figcaption>` to wrap the book's title.
- Use an `<article>` tag to structure each book's information (title, description, price).

Example HTML structure:

```html
<section class="book-gallery">
  <article class="book">
    <figure>
      <img src="path-to-book-cover.jpg" alt="Book Cover">
      <figcaption>
        <h2>Book Title</h2>
        <p>A short description of the book goes here.</p>
        <p class="price">$19.99</p>
      </figcaption>
    </figure>
  </article>
  <!-- Add more books similarly -->
</section>
```

3. Footer

- Create a simple footer with social media links and contact info.
- You can use `<footer>`, and include basic information such as email or phone number.

Example HTML structure:

```html
<footer>
  <p>Follow us on:</p>
  <ul>
    <li><a href="#">Facebook</a></li>
    <li><a href="#">Twitter</a></li>
    <li><a href="#">Instagram</a></li>
  </ul>
  <p>Contact: info@alwarraq.com</p>
</footer>
```

CSS Styling

While Picocss handles much of the styling, you'll add your own CSS to make the page unique and responsive.

Example CSS:

```css
/* Custom styles for Al Warraq */
header {
  text-align: center;
  margin-bottom: 2rem;
}

.book-gallery {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));
  gap: 1rem;
}

.book img {
  width: 100%;
  height: auto;
}

.book .price {
  font-weight: bold;
  color: #2a9d8f;
}
```

```css
footer {
  text-align: center;
  margin-top: 2rem;
  padding: 1rem 0;
  background-color: #f4f4f9;
}

footer ul {
  list-style: none;
  padding: 0;
}

footer ul li {
  display: inline;
  margin-right: 1rem;
}

@media (max-width: 600px) {
  .book-gallery {
    grid-template-columns: 1fr;
  }
}
```

Requirements Checklist

1. **Header:**
   - Includes the website title.
   - Includes a navigation bar with 3 links.

2. **Bookshop Gallery:**
   - Contains at least 4 books.
   - Each book has a cover image, title, description, and price.

3. **Footer:**
   - Includes social media links and contact details.

4. **Picocss Integration:**
   - Picocss is correctly linked in the `<head>`.

5. **Custom CSS:**
   - Use custom CSS to design the layout, spacing, and font styles.

6. **Responsive Design:**
   - Test the design on both desktop and mobile views.

Happy Hacking!

Additional Resources

- **Picocss Documentation:** https://picocss.com
- **HTML Reference:** https://developer.mozilla.org/en-US/docs/Web/HTML
- **CSS Reference:** https://developer.mozilla.org/en-US/docs/Web/CSS