Cluster and Menu Page

Project Title: The Beverage Hub

This project focuses on creating a well-organized Beverages Cluster that categorizes different types of drinks into three main sections: Tea, Coffee, and Shakes. Each category contains multiple varieties, with five different types of tea, coffee, and shakes. Every variety is linked to a dedicated page that provides detailed information, including ingredients, step-by-step preparation, and health benefits. The project is designed using simple HTML and CSS, ensuring a clean and user-friendly interface.

The navigation is structured to allow users to explore different beverages effortlessly. Users start from the main category and dive deeper into individual varieties to learn more. The design ensures that browsing is smooth and engaging.

Setting Up the Project :

First, create a new project folder and add the following files:

```
/pw-proj
 |-- americano.html
 |-- Amencano.jpg
 |--banana shake.html
 |--banana.jpg
 |--black tea.html
 |--black_tea.jpg
 |--cappuccino.html
 |--Cappuccino.jpg
 |--chocolate shake.html
 |--Chocolate.webp
 |--coffee.html
 |--coffee.jpg
 |--espresso.html
 |--Espresso .jpg
 |--green_tea.html
 |--green_tea.jpg
 |--herbal tea.html
 |--herbal_tea.jpg
```

```
|--index.html
|--latte.html
|--Latte.jpg
|--mango_shake.html
|--mango.jpg
|--masala tea.html
|--masala_tea.jpg
|--mocha.html
|--Mocha.jpg
|--oolong_tea.html
|--oolong_tea.jpg
|--shake.html
|--shake.jpg
|--strawberry_shake.html
|--styles.css
|--tea.html
|--tea.jp
|--vanilla.html
|--Vanilla.jpg
```

These threefiles will contain the HTML structure and CSS styling and images for **The Beverage Hub**

.

Code Flow

Index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Beverages</title>
```

```html
    <link rel="stylesheet" href="styles.css">
</head>
<body>

    <h1> The Beverage Hub</h1>

    <div class="container">
        <a href="tea.html" class="box">
            <img src="tea.jpg" alt="Tea">
            <p class="bigFont">Tea</p>
        </a>
        <a href="coffee.html" class="box">
            <img src="coffee.jpg" alt="Coffee">
            <p class="bigFont">Coffee</p>
        </a>
        <a href="shake.html" class="box">
            <img src="shake.jpg" alt="Shake">
            <p class="bigFont">Shake</p>
        </a>
    </div>

</body>
</html>
```

The code starts with the <body> attribute. The main heading, "Welcome to Our Beverage Collection", is placed inside an <h1> tag. There is a <div> tag with the class "container", which acts as a container for the content.

- Inside this <div>, the navigation structure is built using <a> (anchor) tags to link to tea.html, coffee.html, and shake.html.
- Each anchor tag contains an image (<img>) with src (source) and alt (alternate text) attributes, followed by a <p> tag displaying the name of the beverage.
- This structure is repeated for Tea, Coffee, and Shakes to ensure consistency.

CSS Code (styles.css)

A single external CSS file (styles.css) is used for styling the entire project, ensuring a consistent look across all pages.

```css
body {
    font-family: Arial, sans-serif;
    text-align: center;
    background-color: #f5f5dc;
    margin: 0;
}
```

The <body> element is styled to enhance readability and aesthetics:

- The font is set to Arial.
- Text is centered using text-align: center;.
- A light beige background color (#f5f5dc) is applied for a warm feel.
- Margins are removed (margin: 0;), ensuring the content starts from the edge.

```css
h1 {
    color: #333;
    margin-top: 20px;
}

.container {
    display: flex;
    justify-content: center;
    flex-wrap: wrap;
    gap: 20px;
    margin-top: 30px;
}
```

Heading (h1) Styling

- The heading color is dark gray (#333).
- A top margin of 20px is added to create spacing above the heading.

Container Styling (.container)

The .container class is styled using Flexbox to organize items neatly:

- display: flex; ensures a flexible layout.
- justify-content: center; aligns child elements in the center.
- flex-wrap: wrap; allows items to move to the next line if needed.
- gap: 20px; maintains spacing between items.

● margin-top: 30px; ensures the container is well-spaced from the top.

```css
.box {
    width: 200px;
    height: 250px;
    background: #fff;
    border-radius: 10px;
    box-shadow: 0px 4px 8px rgba(0, 0, 0, 0.2);
    padding: 10px;
    text-align: center;
    cursor: pointer;
    transition: transform 0.5s ease-in-out;
}
```

Box Styling (.box)

Each beverage variety is displayed inside a .box with the following styles:

● Fixed size: 200px width × 250px height.
● White background: background: #fff;.
● Rounded corners: border-radius: 10px;.
● Subtle shadow: box-shadow: 2px 2px 5px rgba(0,0,0,0.1);.
● Padding: 10px; ensures space inside the box.
● Centered text: text-align: center;.
● Hover effect: cursor: pointer; makes it clear that the box is clickable.
● Smooth transition: transition: transform 0.5s ease-in-out; provides smooth animation effects.

```css
.box:hover{
    transform: translateY(-5px);
}

.box img {
    width: 100%;
    height: 60%;
    border-radius: 10px;
    transition: transform 0.5s;
}
```

.box:hover

- It moves the .box element 5 pixels upward when hovered over.

Image Styling (.box img)

- The image takes 100% width and 60% height of the box.
- Rounded corners for consistency.
- Smooth transition effect for animations.

```css
.bigFont{
    font-size: 35px;
}

.box p {
    font-weight: bold;
    margin-top: 10px;
}
```

Text Styling (.box p)

- Font size: 16px for readability.
- Bold text: font-weight: bold; for emphasis.
- Margin-top: 10px; ensures proper spacing between the image and text.

```css
.box:hover img {
    transform:  rotatey(180deg);
}

.box:active {
    transform: scale(0.95);
}
```

Hover Effects

- When hovering over a box, the image inside it rotates 180 degrees (transform: rotateY(180deg);), adding an interactive feel.
- When clicking a box, it slightly shrinks (transform: scale(0.95);), giving a pressed effect.

```css
a {
    color: #d2691e;
    text-decoration: none;
    font-weight: bold;
}

a:hover {
    text-decoration: underline;
}
```

Link Styling (a)

- Link color: #d2691e; (warm tea color).
- No underline: text-decoration: none; for a clean look.
- Bold font: font-weight: bold; to make links stand out.
- Hover effect: When hovered, links become underlined (text-decoration: underline;), providing clear feedback.

Tea.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Tea Varieties</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>

    <h1>Varieties of Tea</h1>

    <div class="container">
        <div class="box">
```

```html
          <a href="green_tea.html" class="box">
            <img src="green_tea.jpg" alt="Green Tea">
            <p>Green Tea</p>
          </a>
      </div>
      <div class="box">
         <a href="black_tea.html" class="box">
         <img src="black_tea.jpg" alt="Black Tea">
         <p><b>Black Tea</b></p>
          </a>
      </div>
      <div class="box">
         <a href="herbal_tea.html" class="box">
            <img src="herbal_tea.jpg" alt="Herbal Tea">
            <p><b>Herbal Tea</b></p>
          </a>
      </div>
      <div class="box">
         <a href="oolong_tea.html" class="box">
            <img src="oolong_tea.jpg" alt="Oolong Tea">
            <p><b>Oolong Tea</b></p>
          </a>
      </div>
      <div class="box">
         <a href="masala_tea.html" class="box">
            <img src="masala_tea.jpg" alt="Masala Tea">
         <p><b>Masala Tea</b></p>
          </a>
      </div>
   </div>
   <p><a href="index.html">Back to Home</a></p>

</body>
</html>
```

This page starts with an <h1> tag displaying "Varieties of Tea". The content is wrapped inside a <div class="container">, where each variety of tea is displayed inside another <div class="box">.

- Inside each box, an image is placed along with a description in a <p> tag.
- The description includes ingredients, formatted with <b> tags for emphasis, and <br> tags for line breaks.

- This structure is repeated for the four other tea varieties, ensuring clarity and easy navigation.

coffee.html and shake.html

The structure for coffee.html and shake.html follows the same approach as tea.html, displaying different types of coffee and shakes in a well-organized manner.

Green Tea Page (green_tea.html)

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Green Tea</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>

    <h1>How to Make Green Tea</h1>

    <div class="container">
        <div class="box">
            <h2>Ingredients:</h2>
            <ul>
                <li>Green tea leaves</li>
                <li>Hot water</li>
            </ul>
        </div>

        <div class="box">
            <h2>Steps to Make Green Tea:</h2>
            <ol>
                <li>Boil water and let it cool down for a minute.</li>
                <li>Add green tea leaves to the hot water.</li>
                <li>Let it steep for 2-3 minutes.</li>
            </ol>
        </div>

        <div class="box">
```

```
        <h2>Benefits of Green Tea:</h2>
        <ul>
            <li>Rich in antioxidants.</li>
            <li>Boosts metabolism.</li>
            <li>Improves brain function.</li>
            <li>May help with weight loss.</li>
        </ul>
    </div>
  </div>

  <p><a href="tea.html">Back to Tea Varieties</a></p>

</body>
</html>
```

The Green Tea Page provides a structured guide on making Green Tea. It consists of three main sections: Ingredients, Steps to Make Green Tea, and Benefits of Green Tea. These sections are wrapped inside a <div class="box"> to keep the content visually separate and easy to read.

- The Ingredients section lists required items using bullet points for clarity.
- The Steps to Make Green Tea section follows a step-by-step ordered list.
- The Benefits of Green Tea section outlines the health advantages using a list format.
- Navigation links at the bottom allow users to return to the Tea Varieties page or the Homepage.
- **Similar structure is followed for other beverage varieties like coffee and shakes.**

HAPPY CODING