Project Documentation: IntroToComputing-Challenges

Challenge #6: HTML Styles – CSS

Objective: Document the applied HTML and CSS implementations in the project based on the provided CSS and HTML code.

GitHub Repository:

HTML and CSS Implementation Overview

In this challenge, the project's HTML structure and styles have been implemented using a combination of HTML and CSS. Below are key sections of the implementation based on the provided code.

1. Root Variables
   ```
   :root {
       --main-font: "Lucida Console", "Courier New", monospace;
       --light-gray: hsla(52, 94%, 94%, 1);
       --light-pink: #FFB6C1;
       --dark-green: #556B2F;
       /* ... (other variables) ... */
   }
   ```

2. Global Styling

   ```
   * {
       margin: 0;
       padding: 0;
       box-sizing: border-box;
       font-family: var(--main-font);
       outline: none;
       border: none;
       text-decoration: none;
       text-transform: capitalize;
       transition: 0.2s linear;
       /* ... (other global styles) ... */
   }
   ```

3. Header Styling
   ```
   header {
       position: fixed;
       top: 0;
       left: 0;
       right: 0;
       background: #fff;
       /* ... (other header styles) ... */
   }
   ```

4. Button Styling

```css
.btn {
    display: inline-block;
    margin-top: 0.5rem;
    border-radius: 2.5rem;
    background: var(--dark-green);
    color: #fff;
    padding: 1rem 2rem;
    cursor: pointer;
    font-size: 1.5rem;
}
.btn:hover {
    background: var(--light-pink);
}
```

The button styling has been implemented with the .btn class. It features a dark green background with white text, a border-radius of 2.5rem for rounded corners, and a smooth transition effect. The hover state changes the background to light pink, providing visual feedback to users.

5. Home Section Styling

```css
.home {
    display: flex;
    align-items: center;
    min-height: 100vh;
    background:   url(../LunaTea/images/emily-sierra-twin-sisters-tea-8.jpg) no-repeat;
    /* ... (other home section styles) ... */
}
```

6. Heading Styling

```css
.heading {
    text-align: center;
    font-size: 4rem;
    color: #fff;
    padding: 1rem;
    margin: 2rem 0;
    background: var(--dark-green);
}
.heading span {
    color: var(--light-gray);
}
```

The heading styling is applied to elements with the '.heading'class. It centers the text, sets a white color with a dark green background, and includes a light gray color for the span element within.

7. Navigation Bar Styling

```css
header .navbar a {
    font-size: 2rem;
    padding: 0 1.5rem;
    color: var(--dark-green);
}
header .navbar a:hover {
    color: var(--light-pink);
}
```

The navigation bar styling targets anchor elements within the header. It sets the font size, padding, and colors. The hover effect changes the text color to light pink, providing a visual cue.

8. Icon Container Styling

```css
.icons-container {
    background: #eee;
    display: flex;
    flex-wrap: wrap;
    gap: 1.5rem;
    padding-top: 5rem;
    padding-bottom: 5rem;
}
.icons-container .icons {
    background: #fff;
    /* ... (other styles) ... */
}
```

The icon container styling is applied to a section with the 'class .icons-container'. It sets the background color and manages the layout for the icons within.

9. Product Box Styling

```css
.products .box-container .box {
    flex: 1 1 30rem;
    box-shadow: 0 0.5rem 1.5rem rgba(0, 0, 0, 0.1);
    border-radius: 0.5rem;
    border: 0.1rem solid rgba(0, 0, 0, 0.1);
    position: relative;
}
.products .box-container .box .content h3 {
    font-size: 2.5rem;
    color: #333;
}
```

The styling for product boxes includes a box shadow, border radius, and specific styles for the heading within the content.

10. Review Box Styling

```css
.review .box-container .box {
    flex: 1 1 30rem;
    box-shadow: 0 .5rem 1.5rem rgba(0, 0, 0, 0.1);
    border-radius: .5rem;
    padding: 3rem 2rem;
    position: relative;
    border: .1rem solid rgba(0, 0, 0, 0.1);
}
.review .box-container .box .fa-quote-right {
    position: absolute;
    bottom: 3rem;
    right: 3rem;
    font-size: 6rem;
    color: #eee;
}
```

Review box styling includes padding, box shadow, and a quote icon positioned absolutely for a decorative touch.

11. Contact Form Styling

```css
.contact .row form {
    flex: 1 1 40rem;
    padding: 2rem 2.5rem;
    box-shadow: 0 0.5rem 1.5rem rgba(0, 0, 0, 0.1);
    border: .1rem solid rgba(0, 0, 0, 0.1);
    background: #fff;
    border-radius: .5rem;
}
.contact .row form .box {
    /* ... (other styles) ... */
}
.contact .row form textarea {
    height: 15rem;
    resize: none;
}
```

Contact form styling includes box shadow, border radius, and specific styles for form elements.

12. Footer Styling

```css
.footer .box-container .box h3 {
    color: #333;
    font-size: 2.5rem;
    padding: 1rem 0;
}
.footer .box-container .box a:hover {
    color: var(--dark-green);
    text-decoration: underline ;
}
```

Footer styling includes font size, color, and hover effect for links.

Conclusion

Here are key takeaways from the implemented sections:

1. Heading Styling: The heading section employs centered text with a bold font, emphasizing a key message. The color scheme, blending dark green with light gray accents, creates a striking visual impact.

2. Navigation Bar Styling: The navigation bar exhibits a clean and intuitive design. The font size, padding, and color choices ensure readability, with a subtle color change on hover providing a responsive and engaging user experience.

3. Icon Container Styling: The icon container section demonstrates effective use of background color and layout management. The cohesive arrangement of icons within the container enhances the overall aesthetic.

4. Product Box Styling: Product boxes are designed with attention to detail, featuring a subtle box shadow and border radius for a modern look. The heading within the box maintains clarity and readability.

5. Review Box Styling: Review boxes are crafted for both aesthetics and functionality. The combination of padding, box shadow, and a strategically placed quote icon adds a touch of elegance to user reviews.

6. Contact Form Styling: The contact form section is designed for user convenience, with a balanced blend of box shadow, border radius, and clear styling for form elements. The textarea is appropriately sized for user-friendly input.

7. Footer Styling: The footer is thoughtfully styled, with distinct sections for various content. Font size and color choices ensure readability, and the hover effect on links adds a subtle interactive element.

In essence, the project reflects a harmonious synthesis of HTML and CSS principles, resulting in a well-crafted and aesthetically pleasing website.

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