E-Commerce Website Development

Project Overview

In this collaborative project, teams of three will develop an e-commerce website for a fictional store. This exercise aims to reinforce foundational web development skills, focusing on HTML structure, CSS styling, and the principles of responsive design. Through the creation of an engaging and fully responsive e-commerce platform, students will navigate the complexities of web design and user experience, simulating a real-world project from conception to execution.

Detailed Website Requirements

1. Homepage:
   - Must feature a navigation bar at the top, containing links to the Home, Products, About Us, and Contact pages. This navbar should be responsive, possibly turning into a vertical menu on smaller screens. (The name of this file must be **index.html**).
   - A welcome message or brief introduction to the store is required, setting the tone for the site's branding and mission.
   - The homepage should include a large, banner image that represents the store's theme or best-selling products. This banner should adapt to screen size without losing its visual impact.
   - A footer section is required, providing contact information, and links to social media platforms.

2. Products Page:
   - This page will display at least 10 products, each with a detailed description, price, and accompanying image.
   - A sidebar showcasing customer comments must be present, enhancing the shopping experience by providing user feedback. This sidebar should be styled to fit seamlessly with the page's design, using CSS for visual distinction.
   - A page banner, like the homepage but specific to the products offered, is required.

3. About Us Page:
   - Here, students must provide a detailed background of the store, including its history, mission, and unique selling points. Creative use of images or multimedia to complement the narrative is encouraged.
   - The page requires a banner image that reflects the store's ethos or history, serving as a visual introduction to the store's background.

4. Contact Page:
   - A comprehensive contact form is central to this page, including fields for name, email, a message, radio buttons for preferred contact method (e.g., Email, Phone), and a selector for the inquiry's subject (e.g., General Inquiry, Support, Feedback).
   - Additional contact details, such as a physical address, phone number, and email, should be clearly displayed.

- The contact page must also feature a banner, ideally suggesting themes of communication or customer service.

Technical Specifications and Design Considerations

- HTML: Use of semantic HTML5 elements is crucial for structuring content logically and ensuring accessibility. This includes appropriate use of header, nav, section, article, aside, and footer tags, along with alt attributes for all images.
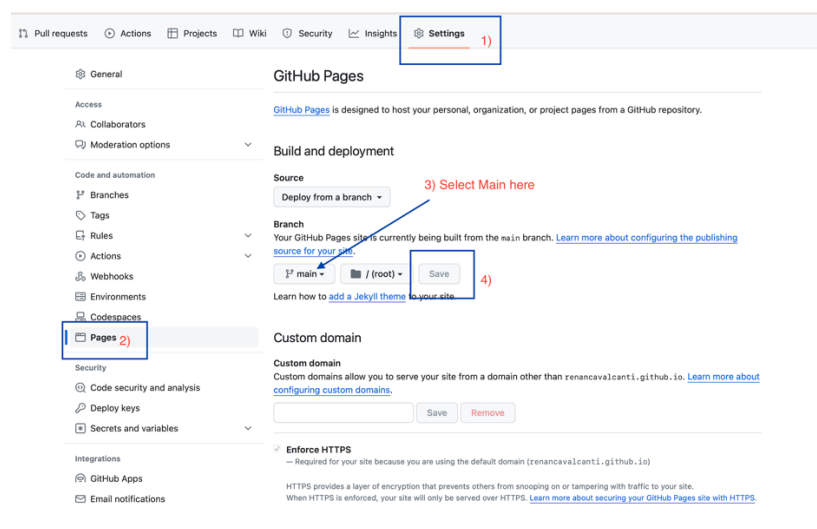
- CSS: External stylesheets must be used for styling, employing a consistent and visually appealing color scheme and typography throughout the site. The use of Flexbox is recommended for layout adjustments, particularly for the sidebar on the Products Page. Custom styles should be applied to form elements on the Contact Page to maintain the site's cohesive look.

- Responsiveness: Media queries should be utilized to make the website responsive, ensuring it adapts gracefully across desktop, tablet, and mobile devices. This includes responsive navigation, text sizing, image scaling, and adjustments to layout components like the sidebar and banners.

Final Deliverables

- Teams are expected to use Git for the last version of the code.

- A functional, responsive e-commerce website hosted on the platform GitHub Pages.

After this you can access your website: `https://<username>.github.io/<repository>/`

- A detailed project report or presentation, outlining the development process, roles and contributions of each team member, design choices, challenges encountered, and solutions implemented.

Evaluation Criteria

- Adherence to the project requirements and technical specifications.
- Clean, organized, and commented code.
- Creativity in design and effectiveness in solving user experience challenges.
- Successful collaboration and communication within the team.