**Name: STELA HALDER**

1. **Can you describe the process you followed to design and develop the website for the fictional small business?**

Ans:

1. Define project goals and requirements: The first step is to gather requirements and understand the goals of the website. This includes understanding the target audience, the type of content the website will feature, and any specific functionality requirements.

1. Then we planned the website structure and layout based on the requirements,
2. After that we design the website using HTML and CSS.
3. Then we add interactivity with JavaScript and dynamic functionality to the website, such as dropdown menus, animations, and form validation.
4. Lastly we test the website and maintain by updating the content, fixing bugs, and regularly checking for security vulnerabilities.
5. **What programming languages and technologies did you use to build the website?**

Ans: HTML, CSS & JAVASCRIPT.

1. **How did you ensure that the website was responsive and mobile-friendly?**

Ans: 1. By using a mobile-first approach: The mobile-first approach is a design and development approach that prioritizes the design and development of the mobile version of the website first, and then expands to desktop versions.

2.By using Media queries are a CSS feature that allows developers to specify different CSS styles based on the screen size and orientation of the device. This helps to optimize the website layout for different devices and screen sizes.

1. **Did you face any challenges during the development process, and if so, how did you address them?**

Ans: No I haven’t faced any challenges in doing this work, except the image optimization and section optimizations part, which is very basic , I made them correct using css.

1. **Can you provide examples of how you used responsive design techniques to make the website look and function correctly on different devices and screen sizes?**

**Ans:** A few examples of responsive design techniques:

1. Flexible grids are used to create a layout that can adapt to different screen sizes.
2. Responsive Images
3. Responsive Navigation
4. Media queries, that allow developers to specify different styles for different screen sizes and devices.
5. website look and function correctly on different devices and screen sizes?
6. **Can you share any lessons learned or best practices that you followed during the development process?**

Ans: In addition to planning and research, using version control, optimizing performance, testing on multiple devices, and ensuring security, it's important to follow web standards and accessibility guidelines, write clean and organized code, and maintain clear communication with the client and team members throughout the development process.