

Assignment Title: Frontend Engineer - Apple Website Team

Objective: The objective of this assignment is to assess your frontend development skills and your ability to contribute to the Apple Website Team. You will be working on enhancing the user experience and implementing new features for the Apple website.

Instructions:

1. You are required to develop a web page that showcases a product of your choice from Apple's product lineup. The page should have a clean and modern design, adhering to Apple's design principles and brand guidelines.
2. Use HTML, CSS, and JavaScript to create the frontend of the web page. Feel free to use any frontend libraries or frameworks of your choice, but be prepared to justify your choice.
3. Implement responsive design to ensure that the web page looks and functions well on different devices and screen sizes.
4. Include interactive elements on the page, such as animations, transitions, or any other features that enhance the user experience.
5. Incorporate data from a mock API (you can use JSONPlaceholder or any other mock API service) to simulate dynamic content. Display relevant information about the chosen product dynamically.
6. Pay attention to performance optimization. Ensure that the web page loads quickly and efficiently.
7. Document your code thoroughly, including comments where necessary, to explain your thought process and decision-making.
8. Host your project on a version control platform like GitHub and provide the repository link.
9. Write a brief README.md file in your repository that includes instructions on how to run your project locally.

Submission: Submit your assignment by sharing the GitHub repository link with us. Include any additional notes or comments you feel are relevant to understanding your code and design decisions.

Evaluation Criteria: Your assignment will be evaluated based on the following criteria:

1. **Code Quality:** Is the code well-structured, readable, and maintainable?
2. **Design:** Does the web page adhere to Apple's design principles and brand guidelines? Is the design clean, modern, and visually appealing?
3. **Responsiveness:** Is the web page responsive and functional on various devices and screen sizes?
4. **Interactivity:** Are there interactive elements that enhance the user experience? Are they well-implemented?
5. **Data Integration:** Have you successfully integrated dynamic content from a mock API?
6. **Performance:** Is the web page optimized for performance? Does it load quickly and efficiently?
7. **Documentation:** Is the code well-documented? Have you provided clear instructions on how to run the project?