

Skills Challenge

Phone-Based Screen Mockup Conversion to HTML/CSS/JS for a Mobile PWA

Objective

Convert the attached phone-based screen mockup in Figma/PSD format into well-documented HTML, CSS, and JavaScript, to be used across a 30-page mobile Progressive Web App (PWA). Ensure the code is clean, modular, and reusable.

Requirements

1. HTML

- Create a structured, semantic HTML template.
- Use appropriate HTML5 elements to ensure accessibility and SEO.
- Comment the code to explain the structure and elements used.

2. CSS

- Develop a responsive, mobile-first design.
- Ensure the design matches the mockup precisely.
- Organize styles using a modular approach (e.g., BEM, OOCSS).
- Include comments explaining the styles and layout decisions.

3. JavaScript

- Add interactivity as appropriate (e.g., navigation, form validation, animations).
- Ensure the JavaScript code is clean and modular.
- Use ES6+ features and follow best practices.
- Comment the code to explain functionality.

4. Documentation

- Provide clear, concise documentation explaining:
 - The structure of the HTML.
 - The layout and styles in the CSS.
 - The functionality implemented in JavaScript.

Deliverables

1. **HTML File:** A well-structured, commented HTML file serving as the base template.
2. **CSS File:** A well-organized, commented CSS file with all necessary styles.
3. **JavaScript File:** A well-written, commented JavaScript file adding appropriate interactivity.
4. **Documentation:** A document explaining the code structure, design decisions, and instructions for extending the template to new pages.

Evaluation Criteria

1. **Accuracy:** The implementation matches the mockup design precisely.
2. **Code Quality:** The code is clean, modular, and well-documented.
3. **Responsiveness:** The design works seamlessly across different screen sizes.
4. **Interactivity:** The JavaScript adds appropriate and effective interactivity.
5. **Documentation:** The documentation is clear, comprehensive, and easy to follow.

Submission

Submit your completed HTML, CSS, and JavaScript files along with the documentation in a single zip file. Include your name and date on the documentation.



Things to consider:

- JS to control scrolling so that the user can "scroll up" to see the conversation.
- JS/CSS to control mute toggling,
- HTML/CSS so that buttons and text and page elements can be reused on other pages