

Front-End Developer Assessment

Overview:

Create a small, three-page web experience featuring a spinning wheel game that displays the result upon completion. This assessment aims to evaluate fundamental front-end development skills, including UI structuring, animation handling, state management, and code clarity. The preferred frameworks for this assessment are Angular or Vue; however, other solutions are acceptable. Additional consideration will be given to well-documented and structured code, as well as any efforts to enhance robustness, such as theme customisation.

Project Requirements:

Page 1: Welcome Screen

- A simple, minimal-branded landing page.
- A "Get Started" button that navigates the user to the second page.

Page 2: Spinning Wheel Game

- A circular spinner wheel divided into multiple, labeled segments.
- Two buttons:
 - **Random Spin:** Spins the wheel and lands on a random segment.
 - **Pre-Determined Spin:** Spins the wheel and always lands on a specific segment (e.g., segment #3).
- Upon completion of the spin, automatically navigate to Page 3.

Page 3: Results Display

- Show the selected segment from the spin.
 - A button or link to restart the game (navigate back to Page 1).
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Technical Considerations:

Layout & Styling

- Implement a responsive, mobile-friendly layout.
- Maintain simple yet clear styling.

Animation & Interaction

- The wheel must feature a spinning animation.
- Acceptable methods include CSS transitions or JavaScript-driven animations.
- Ensure the "Random Spin" button selects a truly random segment.

- Ensure the “Pre-Determined Spin” button consistently selects the same segment.
- After the spin completes, navigate to Page 3 with the result.

State Management

- Pass the selected result from Page 2 to Page 3.

Code Quality

- Use semantic HTML and clear class naming conventions.
 - Maintain logical CSS and JavaScript structure.
 - Prefer lightweight frameworks or vanilla JavaScript, HTML, and CSS.
 - Include comments explaining key logic, especially around spin calculation and state transitions.
 - Use code versioning with a staggered submission approach.
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Evaluation Criteria:

- **User Flow:** Ability to structure a small, multi-step UI experience.
 - **Code Clarity:** Clean, readable, and maintainable code.
 - **Animation & Interaction:** Proper implementation of animation, randomization, and state transitions.
 - **DOM Management:** Understanding of event handling and lifecycle considerations.
 - **Best Practices:** Semantic HTML, accessible design, and well-commented logic.
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This assessment is designed to be a short, focused test of front-end development fundamentals. Please submit this response in a public Git repository. Good luck!