Distraction-Free Reading Mode Proposal

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SDSLABS Winter of Code

Personal Information:

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Coding Skills:

- Proficient in HTML, CSS, and C++.
- Familiar with Figma for UI/UX design.
- Keen to learn JavaScript and other technologies required for the project.

Project Info:

Title: Distraction-Free Reading Mode

Description:
Distraction-Free Reading Mode is a web application that extracts and displays the main content of any webpage (such as articles or blog posts) in a clean, minimal interface. It removes ads, pop-ups, and other distractions, allowing users to focus solely on the content.

Key Features:
- Extract and display the main content of a webpage using Readability.js.

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- Minimalist UI with customization options for font size, theme (light/dark), and layout.
- Allow users to input a URL to extract content or integrate it as a browser extension.
- Save articles locally for offline reading.

Use Cases:

- Readers: Focused reading experience for articles and blogs without distractions.
- Students: Simplifies research by extracting relevant content from study resources.
- Content Consumers: Clean reading layout for news, reviews, or technical guides.

Tech Stack:

- Frontend: HTML, CSS, JavaScript (keen to explore React).
- Content Extraction Library: Mozilla's Readability.js or cheerio (for backend parsing).
- Backend: Node.js with Express (optional for saving and serving articles).
- Hosting: Firebase Hosting or GitHub Pages.

Timeline:

3 Dec - 7 Dec:
- Design wireframes for the website using Figma.
- Build the basic layout for URL input and display areas.
- Research and implement Readability.js for content extraction.

8 Dec - 14 Dec:
- Integrate JavaScript logic to fetch and display content dynamically.
- Add basic styling for a distraction-free interface.
- Test extraction on various websites (e.g., news sites, blogs).

15 Dec - 20 Dec:
- Develop dark mode and font customization options.

- Add error handling for invalid URLs or unsupported sites.
- Explore adding a backend for saving extracted articles locally.

21 Dec - 26 Dec:

- Create a mobile-friendly, responsive layout.
- Start prototyping the browser extension for live content extraction.

27 Dec - 2 Jan:

- Finalize the browser extension integration.
- Add advanced features like text highlighting or annotation options.

3 Jan - 8 Jan:

- Conduct testing for edge cases and improve performance.
- Debug and refine the UI for better usability.

9 Jan - 14 Jan:

- Host the website on Firebase Hosting or an equivalent platform.
- Add documentation for the project and submit deliverables.

Impact:

- Enhances the online reading experience by removing clutter and distractions.
- Encourages productivity and focused learning.
- Provides a flexible, customizable tool for students, professionals, and casual readers alike.

About Me:

I am a curious and driven individual passionate about solving real-world problems through technology. While I have experience in coding and design, I am eager to learn JavaScript and other new technologies to bring this project to life.

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Beyond coding, I enjoy listening to music, solving puzzles, and exploring innovative ideas. My ability to adapt and my enthusiasm for learning make me confident in successfully completing this project.