Schedule

Introduction

This document outlines the tasks, dependencies, and critical path for our sprint. It also discusses strategies to keep the sprint on schedule and analyzes any issues encountered.

Tasks and Dependencies

1. Task A: Optimize login interface
2. Task B: Encrypt passwords for login users
3. Task C: Redesign homepage Markdown editor interface (adapt to Node 22 version)
4. Task D: Ensure compatibility of Markdown editor interface with other interactive components
5. Task E: Implement dark mode for the interface
6. Task F: Implement file browsing functionality in the profile interface
7. Task G: Fix issue of Markdown editor losing information when navigating between pages
8. Task H: Implement local search functionality for notes
9. Task I: Implement ChatGPT API to automatically generate notes
10. Task J: Implement flashcard generation functionality

Dependencies: - Task B depends on Task A. - Task D depends on Task C. - Task G depends on Task C. - Task H depends on Task C. - Task I depends on Task C. - Task J depends on Task C. - Task E, Task F, Task H, Task I, and Task J are independent tasks.
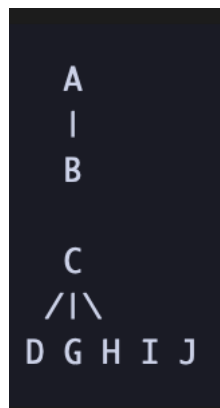
Network Diagram

Figure 1: Network Diagram

Critical Path Identification

The critical paths are C -> D, C -> G, C -> H, C -> I, C -> J.

Keeping the Sprint on Schedule

- Regular monitoring and adjustments
- Daily stand-up meetings
- Project management tools
- Clear communication
- Prioritizing critical path tasks

Issues and Learnings

If the sprint was delayed, identify the cause using the network diagram. Learn from the experience to improve future sprints.