Sprint Schedule and Critical Path Analysis

This document outlines the tasks, dependencies, and critical path for the implementation of the Plan Page with features for exercise selection and intensity levels.
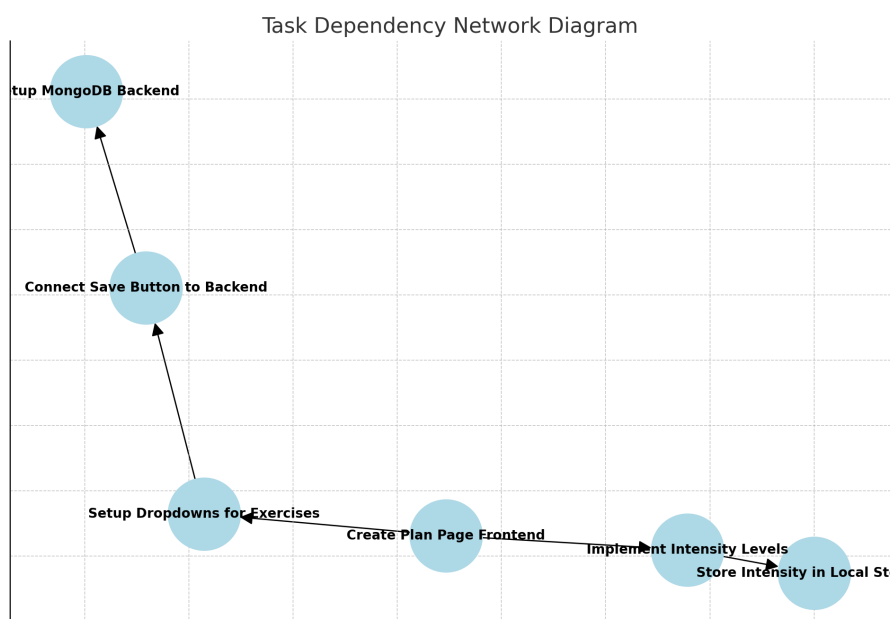
Tasks and Dependencies:

- Create Plan Page Frontend (Depends on: None)

- Setup Dropdowns for Exercises (Depends on: Create Plan Page Frontend)

- Connect Save Button to Backend (Depends on: Setup Dropdowns for Exercises)

- Implement Intensity Levels (Depends on: Create Plan Page Frontend)

- Store Intensity in Local Storage (Depends on: Implement Intensity Levels)

- Setup MongoDB Backend (Depends on: Connect Save Button to Backend)

Critical Path:

Create Plan Page Frontend -> Setup Dropdowns for Exercises -> Connect Save Button to Backend -> Setup MongoDB Backend

Task Dependency Network Diagram:

Task Dependency Network Diagram

Sprint Management:

To keep the sprint on schedule, dependencies were carefully managed to ensure tasks were completed in the correct order. The frontend needed to be implemented before the backend integration, and intensity features depended on local storage. Progress was tracked continuously to identify potential blockers.

Reflection and Lessons Learned:

If delays occurred, they were typically due to unforeseen complexities in the frontend or backend integration. Using the network diagram, it was easy to identify the critical path and adjust priorities to minimize impact. The main lesson learned was the importance of breaking down tasks into smaller units and assigning clear dependencies.