W04 Assignment: Team Project

Project Status Meeting Summary

Link project : **https://github.com/diogorangel/wdd430-group-project.git**

Link Repository : https://github.com/diogorangel/WDD430-Group-Project.git

Live project : https://wdd430-group-project-sigma.vercel.app/

Key Outcomes & Analysis

Success: Successful Project Migration & Core Feature Development

The team successfully completed a significant project migration/restructuring, evidenced by the large number of deleted files (css/style.css, scripts/script.js) and new, untracked directories and configuration files. This indicates a move to a modern Next.js/React App Router structure.

Development Progress: The core To-Do List application now includes multiple essential functionalities:

- **Creation & Persistence:** Tasks can be added and persisted using useLocalStorage.

- **Unique Keying:** Resolved the critical React key warning by implementing **dynamic ID generation** using useMemo, ensuring uniqueness across reloads.

- **Enhanced Data:** Tasks now include fields for assignment and completion status.

- **Completion Flow:** Implemented task completion toggling and successfully separated the tasks into distinct sections for Pending and Tasks Done.

Challenge: Managing File Deletions and Junk Files

The primary challenge is the volume of uncommitted changes. Specifically, the deletion of core CSS and JS files, while intentional for the migration, needs to be staged and committed promptly. Furthermore, the presence of the temporary file ~$D 430 Group Project - Diogo Rangel Dos Santos.docx indicates a need for better file cleanup and immediate implementation of the new .gitignore to prevent such files from being tracked.

Insight: Importance of Versioning Configuration and Atomic Commits

The number of new, untracked configuration files (tsconfig.json, package.json, etc.) highlights that the project is adopting a more robust build system. The immediate next action should be to stage and commit all these untracked configuration files first, as they define the new environment and are critical for all developers. This emphasizes the importance of versioning the project's dependencies and build setup from the beginning.

Project Status (Last Updated: app/layout.tsx, app/page.tsx, app/styles/globals.css)

I completed the conversion of the HTML/CSS/JS files to React components and implemented the Add Function logic.

Recent Updates:

File	Change Description
app/page.tsx	Implemented task assignment, completion status toggling, separation of tasks into Pending and Done lists, and resolved the non-unique key warning by calculating dynamic IDs.
app/styles/globals.css	Updated styling to support the new two-column structure (Pending/Done) with visual cues (e.g., strikethrough and green border) for completed tasks.
app/layout.tsx	Modified the root layout, primarily for font configuration and global imports.

Next Steps: I will focus on implementing the Edit/Update functionality for existing tasks and potentially adding a Task Filtering feature in the next weeks.