Logic_Document

Smart Assign

The 'Smart Assign' feature assigns a task to the user who currently has the fewest active (non-completed) tasks.

Implementation Details:

- On the backend, a utility function `smartAssign()` counts each user's tasks where status != 'Done'.

- It selects the user with the lowest task count.

- This user is assigned to the task when the Smart Assign button is clicked from the frontend.

- A POST request to `/api/tasks/:id/smart-assign` performs this operation.

Conflict Handling

This logic prevents overwriting changes when two users are editing the same task.

Implementation Details:

- When a user opens the Edit Task modal, the task's `updatedAt` timestamp is saved locally.

- On Save, a fresh GET request is made to check if the server's `updatedAt` differs from the stored one.

- If the timestamps differ:

  - A modal pops up showing both the server and user versions of the task.

  - The user can choose to Overwrite, Merge manually, or Cancel.

- If the timestamps match, the update proceeds as usual.

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