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Multasko

Description

The tool I will build is going to help organise my tasks, memos and notes in several ways. For tasks, I intend to create an interface somewhat similar to that of trello's. Completion status of to-dos will likely be reflected percentage based with some icons.

For memos, I intend to make a Super accessible area where I can dump info just in time. I personally would use this as I often pen down my thoughts in notepad and telegram's saved messages.

These two will constitute the MVP for now.

The architecture would be RoR backend only for API endpoints, postgresql for database and react front end. I will try to separate the folders for the front end files and backend files because I intend to decouple this from the backend for easy transferring of backend (RoR not a fan). I'm also making use of redux for state management and time travelling (simple undo manager)

Future possibilities

Notes would be a simplified markdown editor/medium.com editor to organise structured information as minimalist as possible

I hope to add a real-time collaborative aspect to this as well. After much research about react and RoR, I've decided that I shall use WebSockets API and RoR's application cable to handle socket messaging.

Incorporating some graphics for some identity

Use cases/features

1. User accounts
 - a. CRUD of users
 - b. Validating and persisting login sessions using JWT in local storage (secure enough)

- c. Login, log out, sign up with email
- 2. To do list manager
 - a. CRUD of todo board
 - b. CRUD of todo lists in todo board
 - c. CRUD of todo list items
 - d. Handling members to the todo board
 - e. Tagging and labelling
 - f. Leaving comments
- 3. Info dump
 - a. Grouped by time intervals
 - b. CRUD, single input
 - c. Labelling importance
 - d. Tagging topic

Entity Diagram

