Intro

It’s a fucking roommate application featuring vote-based task allocation application that promises fair division of tasks between users, while also granting task-tracking services and expense management (money).

Every user has a group (consisting of him and his roomates).

Every group has its list of tasks and money balances.

Groups

2 types of groups – Everyone is an admin / Group founder is an admin like whatsapp, maybe more.

Tasks

Task is a tree of sub-tasks (nodes).

Every leaf is a doable small task (in the cleaning task example – scrub the toilet).

Admins can initiate a voting phase whenever they want.

Properties:

* Name
* Date created
* Created by
* Admins (important: not related to the group admins)
* Voting policy – admin can initiate a voting phase unilaterally/ the majority of the members in the task need to agree to a voting phase.
* Whether or not that task is recurring and if so, how often, starting when, etc.

Voting Phase

For a task to be in Voting phase means every1 in the group in which the task exists gets notified that a **task** is in voting phase. Then they enter the application, get a list of all sub-tasks and are required to "vote" on how much they would like to perform each task (1-10 slider with nice colors, depending on algorithm). Then the app does the algorithm, and they can go in to the task tree and see the division that the app proposed (which is fair because it uses a proven algorithm).

A possible feature is having a Voting phase in the middle of the task lifecycle, meaning for example 5/20 sub-tasks have already been completed but some1 wants to be reassigned new tasks, then depending on the policy of the group, another voting phase (besides the first one) can be initiated, where the algorithm will take into consideration the tasks that have already been completed, and the users that completed them will have less tasks to complete (because they already did things).

Notifications

Users in the group/task get notified for pending tasks/other custom notifications.

User Stories

Group Creation:

1. Invite people from your *friend list* (google contacts? Fro me maybe?) to the group
2. Set group properties.

Task Creation:

1. An admin of the group goes to the group screen, presses on "Create Task"
2. He fills in the task properties
3. He invites some members of the group to take part in this task
4. Once everyone has agreed to join the task, a voting phase starts

4.1) An admin can just start the voting phase whenever, leaving out all those who did not respond to the invite/rejected it.

Extras

Group has a property that describes how much every1 in the group should contribute overall (if Niv needs to contribute x, then he can choose to contribute x/2 in task A and x/2 in task B).

Detect words in the task name to display an appropriate small picture next to the task? (cleaning things = broom, fixing things = hammer, etc..)