

Project Status Report 5

Group 4

Calm Chores

**Software Engineering
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CS673



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1. Frontend [ANUP and FERNANDA]—We worked on adding more features to the add-chore screen and the task info screen. We added the feature to repeat the task and repeat how many days, an assignment option, an auto-rotated assignment option, and a house area selection. All the listed features were added for both screens to create a new task and update an existing task. We worked on the main task screens, added 3 new tabs called “Mine”, “All” and “Completed” and added filter functionality to display the current user tasks only, all the tasks, and all the completed tasks. We worked on adding tags to each task card so the user can see the relevant information, we added the due date tag, assigned to tag, house area tag, and repeat tag, if the task is completed, it also shows completed by tag.

We then implemented that auto-rotate functionality whenever the user adds a new auto-rotating task or completes an existing auto-rotating task. If a user adds a new auto-rotating task, we first fetch the least actively task-assigned user and add that user for the first assignment. Whenever the user completes an auto-rotation task, we calculate the next person to be assigned in a circular rotation and assign them. Whenever a user completes a repeating task, we take the repeat task ID then recreate the task again with the same fields and assign it to the next person in the circular queue.

2. Backend [KESHAV and CHUN] - Throughout this week, Chun and I figured out how to resolve the deployment issues that had been persisting for quite some time. After a couple of trial and errors, we decided to host the backend on AWS. To explain the configuration, we set up a basic server and cloned our GitHub repo on the server (for now). After spending some time on the configuration and working through a lot of errors, we are now able to host the backend on the AWS server, but an unexpected problem we are facing is that we can only interact with the GET requests. As we completed this part of the deployment, we also talked about merging the branches together for the main branch. We also talked about how to build the API moving forward to avoid any delays and confusion.
3. XIAOYUE - I worked with the front-end team to conduct unit testing and functional testing of the front-end code. When testing, we use multiple platforms, including iOS, Android, and an Android emulator, to ensure the stability of the program. We located and resolved several bugs in the front-end team related to multi-platform adaptation. These problems are mainly related to the cyclic triggering of UI interactions.

TEAM MEETING DISCUSSIONS: on Discord

MONDAY 28th October 2024: We had our weekly stand-up meeting and everyone updated their progress. We discussed the deployment of the backend API and the approach we need to implement going forward. We discussed features such as auto rotations, and profile screen ratings and finalized the approach before developing.

MONDAY 11th November 2024: We had our weekly stand-up meeting and everyone updated what they had done. We talked about the problems we are facing and finding the solution to resolve the issues we are having. The Frontend team discussed with Xiaoyue about testing issues and helped him get up and running with the app, we had to make a few changes as Xiaoyue was using Windows PC and Android for running the application while the application was developed using Mac and developed for iOS as the target device. The Frontend team pushed some minor changes to the code to tackle the issue.

Task Assignment and Deliverables:

1. Frontend - [ANUP and FERNANDA]:

I) Priority Tasks:

- a) Add the feature to update the task completion tally for all users whenever they check the task-info screen. It would display, the completed tasks count, overdue completion count, and missed completed count.
- b) Build the profile screen. We need to calculate all the users' scores for task completion and display a user rating and stats for task completion. Add the feature to edit the display user name.
- c) Add vacation mode: when the user toggles, vacation mode, the user should be exempted from all the autorotation task updation and new task creation.

II) Additional tasks:

- a) Add the Bill reminder tab in navigation, build all the relevant screens and functionality for the feature
- b) Add a user profile look-up feature to look up the task completion score of any user via email

2. Backend - [KESHAV and CHUN]: We will work on finishing all the functionalities and make changes as needed for the app.

3. QA - [Xiaoyue]:

I) Priority Tasks:

- a) Perform individual unit and function tests on the code for the completed parts of the project team. Locate, report and fix any issues found.

GitHub group project repo:

<https://github.com/saraogi-keshav/calm-chores/tree/main>