

Chore Chart

Easy way to manage chores

Group #10

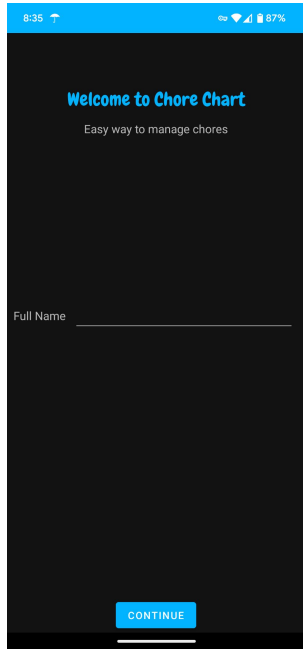
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Pre-Development

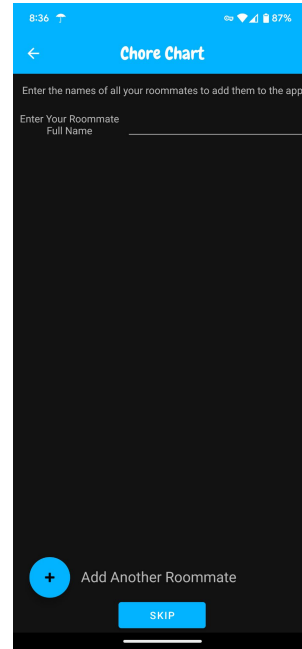


- Motivation - Difficulty communicating with roommates
- User Study - Interviewing 6 participants that have lived with roommates, learning about their struggles and practices
- Themes
 - Lack of communication leads to discord among roommates.
 - Roommates may choose to divide chores based on many factors.
- Implications
 - Be able to communicate with roommates about tasks and chores that need to be completed.
 - Be able to schedule and plan chores and tasks with roommates

Final App Design

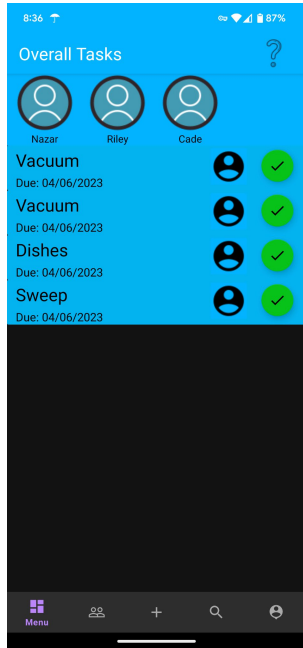


This is the welcome screen that is displayed to the user when they open the app for the first time. The user must provide their name in order to continue using the ChoreChart. The “CONTINUE” button allows the user to proceed to the next screen after entering their name.



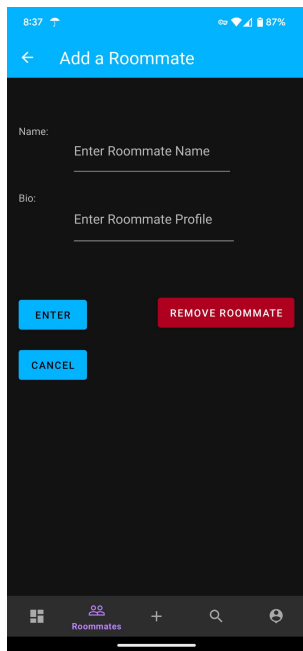
When the user gets to this screen, they are able to add their roommates to the ChoreChart. The user does not necessarily have to add any roommates at this point. However, if the user wants to add their roommate, they can do so by filling in the text field with their roommate's name. The “Add Another Roommate” button allows the user to add more people to the roommate list (up to 3 roommates).

Home Screen



- This is the home screen of the ChoreChart app. Here, the user can view all chores that were created by the user or their roommates. Each chore has two clickable buttons that allow the user to either complete the chore or view who is in charge of the selected chore.
- At the top of the chore list located all roommates that were added by the user. By clicking on a roommate's image, the user can view that person profile.
- All ChoreChart features are accessible via the navigation bar at the bottom of the app. Using the navigation bar, a user can add or remove roommates, add a chore, search for a specific chore and view their profile.

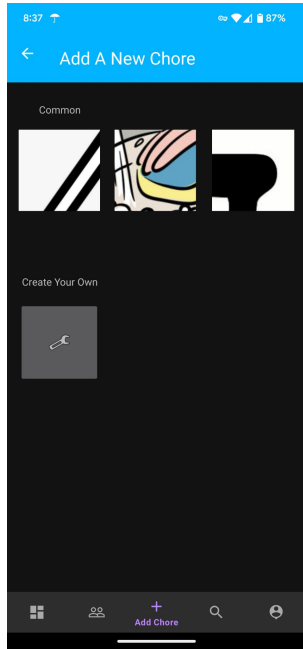
Adding Roommates



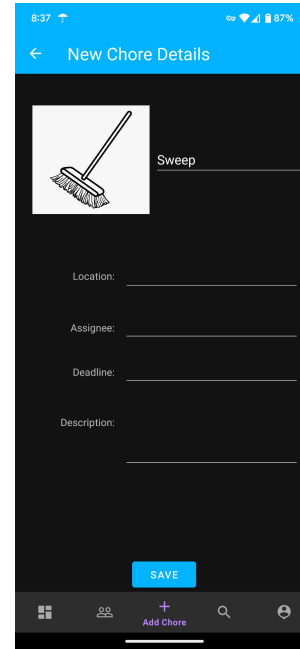
The screenshot shows a mobile app interface for adding a roommate. At the top, a blue header bar contains a back arrow, the title 'Add a Roommate', and status icons for time (8:37), signal, and battery (87%). Below the header, the form has two text input fields: 'Name:' with the placeholder 'Enter Roommate Name' and 'Bio:' with the placeholder 'Enter Roommate Profile'. At the bottom of the form area, there are three buttons: a blue 'ENTER' button, a red 'REMOVE ROOMMATE' button, and a blue 'CANCEL' button. The bottom of the screen features a dark navigation bar with a grid icon, the text 'Roommates', a plus sign, a magnifying glass, and a person icon.

- The “Add a Roommate” screen allows the user to add and/or remove roommates. To add a new roommate, the user needs to fill the name and bio text fields. The “ENTER” button allows the user to add a roommate to the list. However, if there are already 4 roommates present, the user will not be able to add anymore roommates.
- In order to remove a roommate, the user must enter the roommate’s name and press the “REMOVE ROOMMATE” button.

Adding a New Chore



- The “Add A New Chore” screen allows the user to add a new chore to the list of chores. Any added chores will be visible to all roommates that were added to the ChoreChart.
- In addition to the common chores, the user can also create their own custom chores.



- After selecting a specific chore, the user is redirected to the “New Chore Details” screen.
- Here, the user can add additional information related to this chore. However, the user does not have to fill in all the text fields to add a chore to the list. The only required field that must be filled in is the chore name (in this example, the chore name is Sweep). By clicking on the “SAVE” button, the chore will be added to the chore list.

Searching for a Chore

8:38

Find A Chore

Name

Assignee Select assignee

Location

Deadline CLEAR

SEARCH

Clicking the search button on the navigation bar will take the user to the “Find A Chore” screen where the user is able to search for a specific chore by filling in the available text fields.

8:39

Results

Vacuum ✓
Clean the living room for the upcoming party
Nazar Living Room 04/06/2023

Vacuum ✓
Clean the living room for the upcoming party
Cade Bedroom 04/06/2023

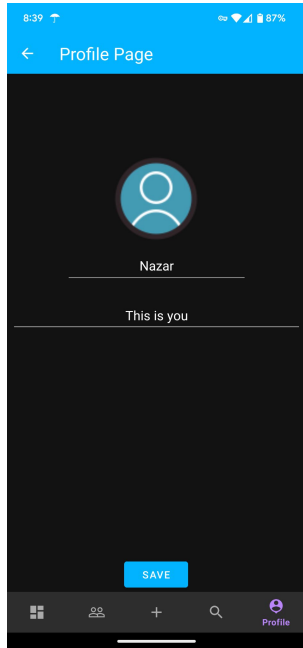
Dishes ✓
Wash the dishes
Nazar Kitchen 04/06/2023

Sweep ✓
Sweep the kitchen for the upcoming party
Riley Kitchen 04/06/2023

After pressing the “SEARCH” button, the app will redirect the user to the next screen where the search results are displayed. The user is able either complete the chore by clicking on the green checkmark button or edit the chore by clicking on that chore window.

If the user chooses to edit the chore, they will be redirected to the “Chore Details” screen. Here, the user can modify the chore’s details by editing available text fields.

Profile Screen



- This is the “Profile Page” screen. This screen can be accessed by clicking the profile button in the navigation bar or the person’s picture at the top of the chore list on the home screen. Here, the user can view their own profile or the profiles of their roommates. Additionally, if the user opens their own profile, they can make any changes to their name and/or bio.

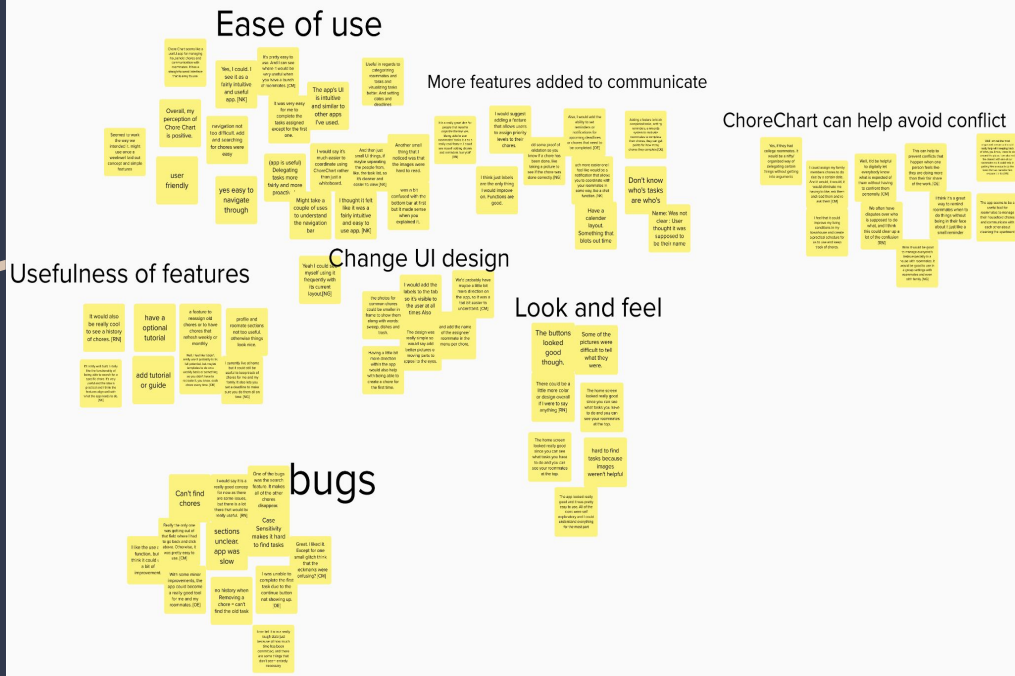
User Testing: Methods

- Methods:
 - Formative: Observe the user when they interact with the app while completing 3 user tasks.
 - Formative: Record and transcribe answers to interview questions and any additional feedback on the app.
 - Summative: Use System Usability Scale Google Form after the tasks have been completed.
- User Tasks:
 - Sign up and add roommates
 - Add a new chore
 - Search for a chore

User Testing: Qualitative

- Like in M1, open coded transcripts from user testing interviews
- Asked users a few questions about how they perceived Chore Chart after completing 3 tasks
- Comments were centered around the main goal of the app, also the look and feel, bugs, suggested features to add

Ease of use



User Testing: Results Overview

- Positives
 - Users said navigating the app's UI was pretty intuitive and the icons were self-explanatory
 - Participants like the organization and communication features
 - The app's usability was rated by participants as above average based on SUS heuristics
- Negatives
 - There was no way to verify if a chore was actually completed
 - There were some issues with the search functionality

Next Steps

- Future Changes:
 - Add task reminder notification capability
 - Task status display on the main screen
 - Overall navigation clarity
 - Help tips
 - Tutorial page in help section

These changes would help with users' understanding of the application's features. They would also support our goal to make communication between roommates more accessible.