

BudgBuds





“where you don’t have to budget alone”

value proposition

Problem

People who regularly spend in social groups are often unable to regulate their expenses and give in to social pressure.

Solution

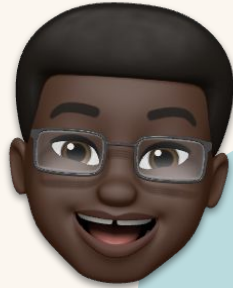
An app supplemented by social accountability, for groups to collectively budget for activities that require communal spending, while factoring in individual financial means.



RAAGAVI

Junior - CS

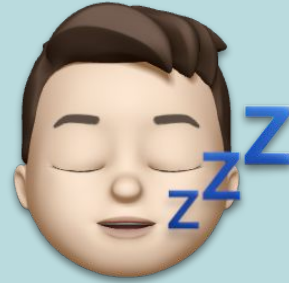
Has had hair catch on
fire twice



HABEEB

Junior - BMC

Never been in the
ocean



JACOB

Junior - CS

Is a knight of Sealand



MELVIN

Masters - MS&E

Just tired



HEURISTICS

Severity 3 violations:

15 total → 11 changes

Severity 1-2 violations:

34 total → 15 changes

Most violated heuristics overall:

H3 - user control (6)

H4 - consistency (7)

H7 - efficiency (8)

Results

Severity 3

NOTIFICATION

- Alert icon not on home page

EDITING

- Cannot unfriend people
- No way to remove group
- Users cannot edit group names/members

CLARITY

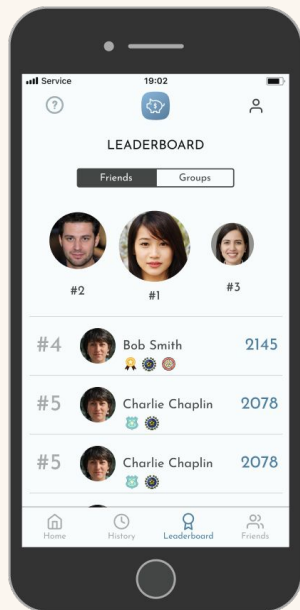
- No names on leaderboard top 3 or sub-budget menu
- Leaderboard points lacks clarity
- No FAQ page



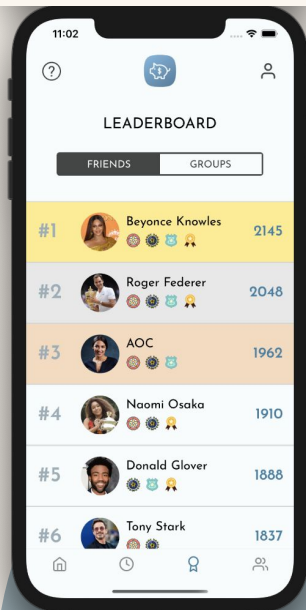
UI CHANGES

MAJOR DESIGN CHANGES 1.

BEFORE



AFTER

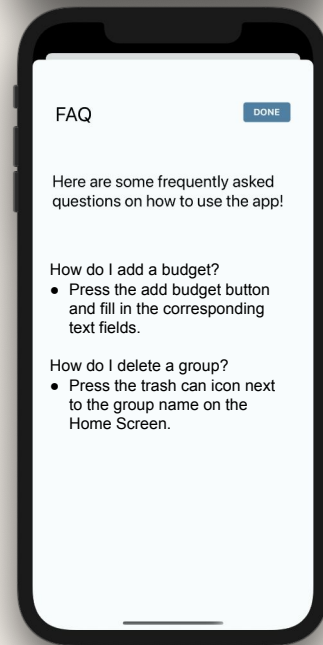


CLARITY

Restructured
leaderboard to make it
clear who is winning

FAQ

FAQ page with information regarding the entire app.



OLD

We had a lot of new pages when the user was adding either budgets or expenses.

Result: Users felt like it was kind of overwhelming to have new pages for all of these activities without a clear ending.

MAJOR DESIGN CHANGES 3.

NEW

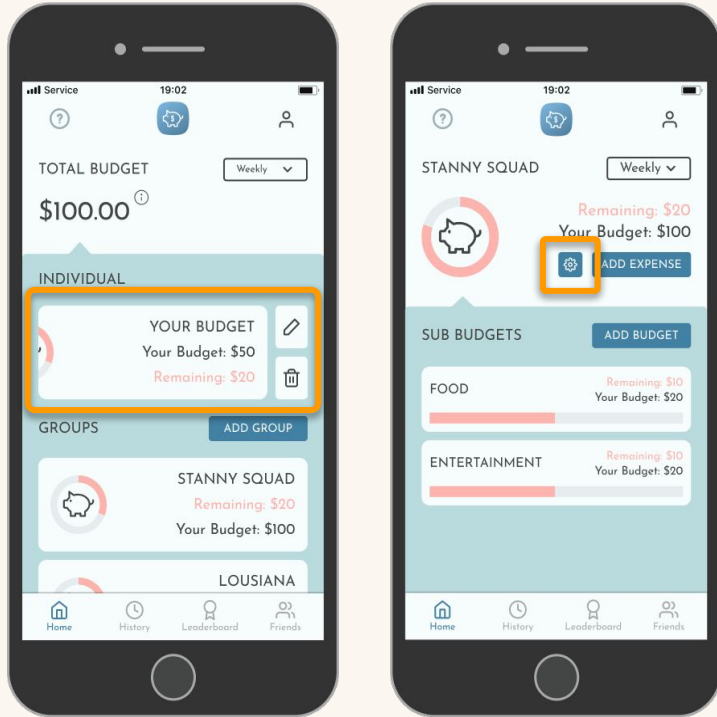
We made Modals for adding new budgets and expenses.

Reasoning: The popup form of the pages makes them seem like less pressure on the user.

MAJOR DESIGN CHANGES 3.

EDITING

Allow for different modes of editing of groups and group members



Severity 1 & 2

- Clarifying language (budget/remaining)
- Added done button to exit popups
- Having more than the weekly option
- More consistent formatting



PROTOTYPE

PROTOTYPING TOOLS:

React Native & XCode



PROS	CONS
<ul style="list-style-type: none">- Cross Platform- Similar to base React- Easy to import libraries- Easy to create and re-use components- Easy to test through expo	<ul style="list-style-type: none">- No design layout like Android Studio- Styling can be difficult- Error messages are not always clear- React Native changes frequently and is not backwards compatible

FEATURES

Implemented

- Home Screen
- Individual Budget
- Add Sub-Budget to Individual
- FAQ Page
- Add Expense
- Profile

Unimplemented

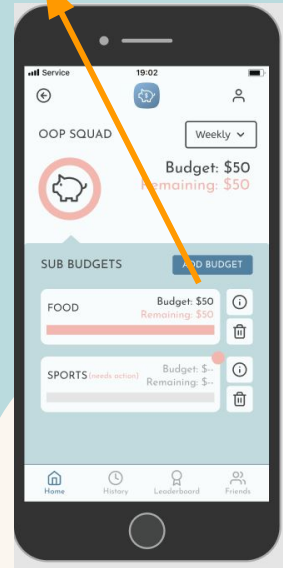
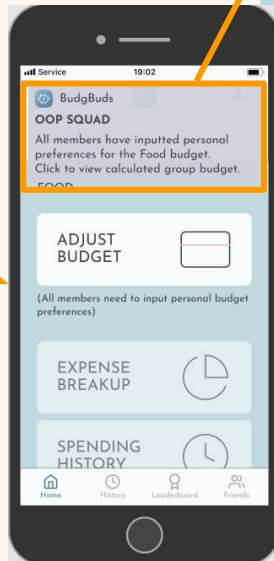
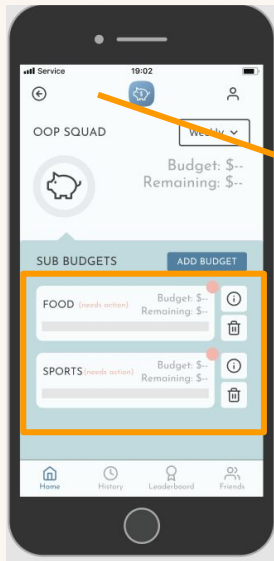
- History tab
- Friends tab
- Group budgets
- Firebase
- Notification

Suggested Talk Outline:

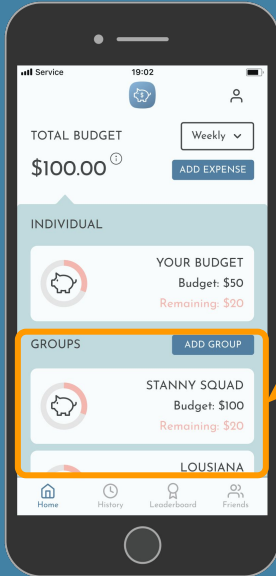
1. Project title, team, & value proposition (1 slide)
2. Introduction to problem & solution (2 slides)
3. Overview of talk (1 slide)
4. Heuristic Evaluation results (2-3 slides)
 - a. Focus on severity 3-4 issues
5. Overview of revised design (2-3 slides)
 - a. With reasoning for changes (can combine with HE results slides)
6. Prototype Implementation Status (5-6 slides)
 - a. Tools being used (e.g. React Native, Xcode)
 - b. Implemented features: what you have done so far
 - c. Unimplemented features & plan
 - i. What has yet to be implemented
 - ii. Plan to finish
 - d. Wizard of Oz Techniques: Any wizard of Oz techniques you plan to use
 - e. Hard-coded data: Any information that you will hard code rather than implement
 - f. Issues/Questions Anything you are unsure of how to do?

WIZARD OF OZ COMPONENTS

Since sub budgets need to be approved by all group members before a budget is set, we just manufactured this process so that no other users were necessary.



HARD-CODED COMPONENTS



Group budgets: to provide immediate examples. We also have pre-populated friends for these groups.



DEMO



Prototype Demo