



# Fitbud High-Fi Prototype

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### **REVISITING OUR...**



### PROBLEM

People, regardless of their current fitness levels or social fitness preferences, **don't actively try to change** their fitness-related habits without support as it requires a lot of **activation energy**, **effort**, and **planning** to make it consistent.



### SOLUTION

Our app provides you with a gamified virtual workout buddy that schedules your workouts, keeps you accountable, and accompanies you through your workout - adapting to your needs and making it easier to exercise.



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### PROBLEM

People, regardless of their current fitness levels or social fitness preferences, **don't actively try to change** their fitness-related habits without support as it requires a lot of **activation energy, effort**, and **planning** to make it consistent.



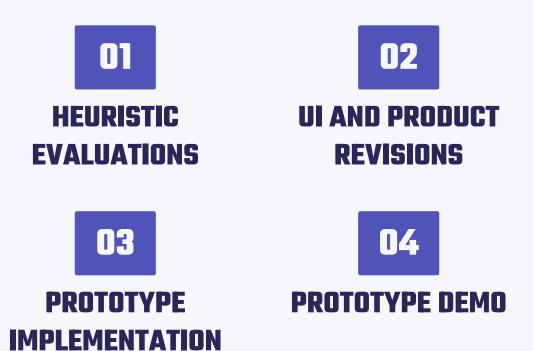
### SOLUTION

Our app provides you with a gamified virtual workout buddy that schedules your workouts, keeps you accountable, and accompanies you through your workout - adapting to your needs and making it easier to exercise.





### **TABLE OF CONTENTS**



**STATUS** 



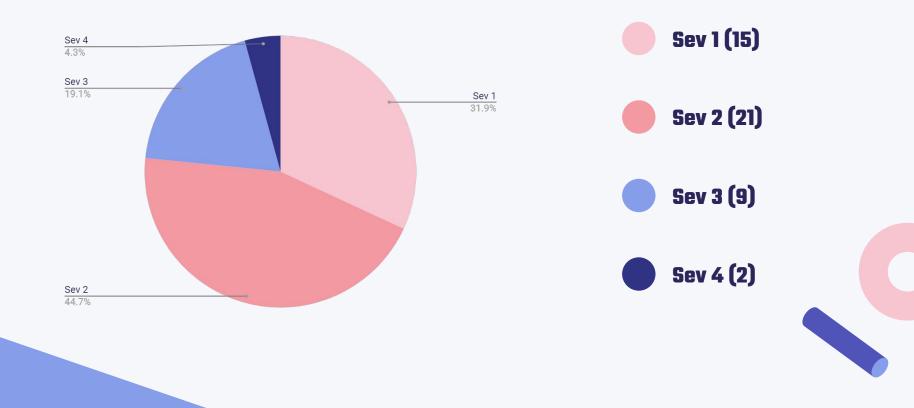


# HEURISTIC EVALUATIONS





### **HEURISTIC VIOLATION STATISTICS**

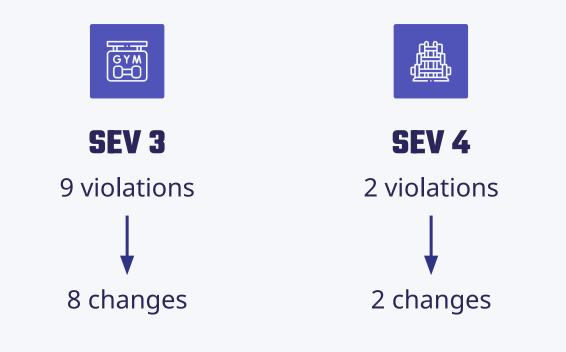


# **39 changes**

out of 41 heuristic violations



### **MORE ON SEV 3 AND 4 VIOLATIONS**





### **MOST VIOLATED HEURISTICS**





H8

Consistency & Standards **8 violations** 

**H4** 

Minimalist & Aesthetic Design **7 violations** 



H1

Visibility of System Status *6 violations* 



# UI AND PRODUCT REVISIONS







Buddy's Health 🎔

Click on the outlined icon to go to your workouts page!

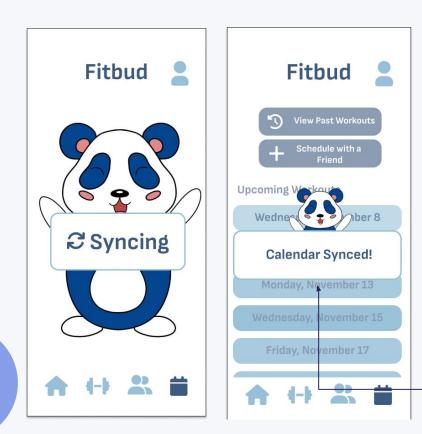


### H1: Visibility of System Status

**Description:** Uncertainty of where to move on from the home screen- especially from onboarding. Home screen is largely dominated by Buddy, who does not mention anything related to fitness upon being pressed.

**Fix:** Adding a prompt to the homescreen by Buddy showing you what your first steps (welcoming you and looking at your workout plan) should be.

### Click to go to page

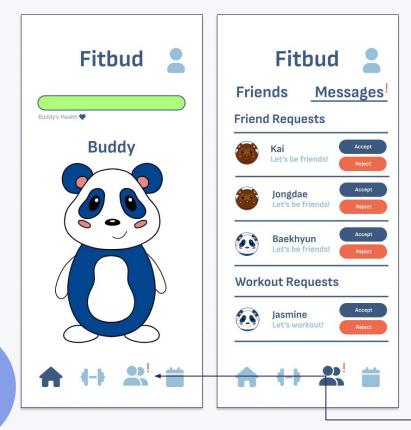


### H1: Visibility of System Status

**Description:** No clear feedback on how my calendar has synced/how my workout calendar has changed after I have synced it- are these tasks aligned with my calendar?

**Fix:** Adding in a "calendar synced!" notification.

### Visible notification

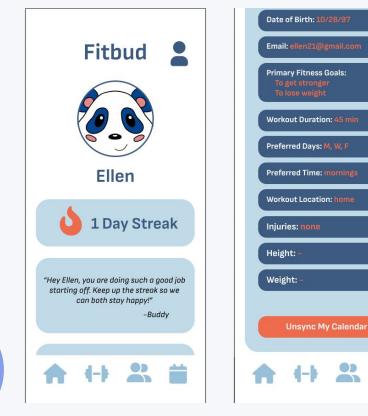


### H6: Recognition Not Recall

**Description:** No correlated notification when a user is sent a workout request in their profile page.

**Fix:** Add a notification ping on the friends icon on the navbar (new), so users will be alerted to a new request without needing to remember to check their profile.

**Notification icon** 

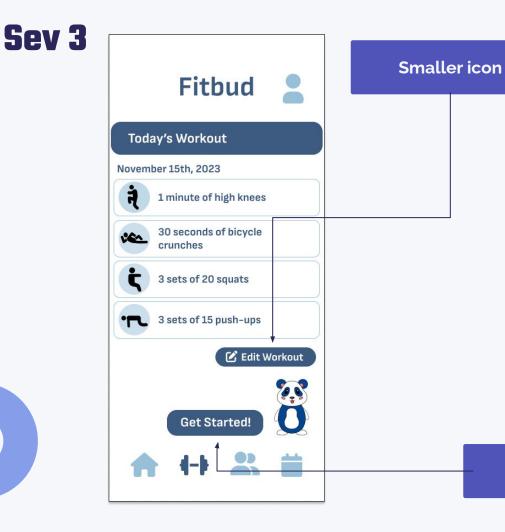


# H3: User Control & H3: User Control & Freedom Description: User does not have the ability to undo calendar syncs/remove user data. Fix: Add a button in the settings page that allows users to remove their calendar/any other form of

-

**Unsync button** 

user data from the application.

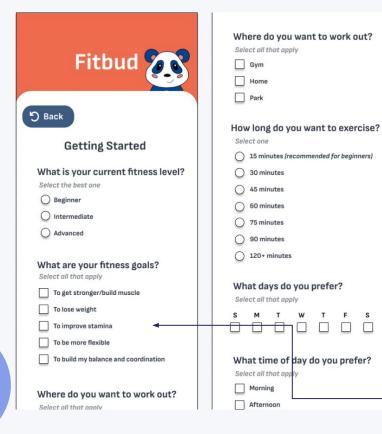


### H11: Accessible Design

**Description:** Key buttons like "Get Started" on the workout screen are the same size and hierarchy as "Edit Workout" and do not stand out.

**Fix:** Enlarge the "Get Started!" button and make that a primary read of the screen.

**Bigger icon** 

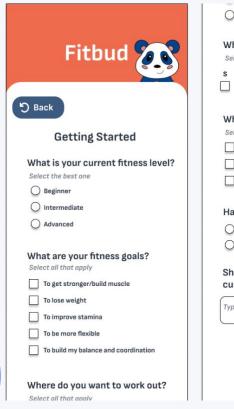


# H12: Value Alignment & Inclusion

**Description:** Fitness goals in onboarding are oriented towards fitness lingo- ex: "build endurance" or "flexibility" versus "balance and coordination".

**Fix:** Reword or expand on fitness goals that may align with goals non-fitness oriented users may want- ex: "I want to get stronger/gain muscle"

**Changed wording** 



#### What days do you prefer? Select all that apply т w т $\square$ What time of day do you prefer? Select all that apply Morning Afternoon Evening Have you been injured before? O Yes O No Share the injury for workout plan customization Type here (optional)....

Submit

120+ minutes

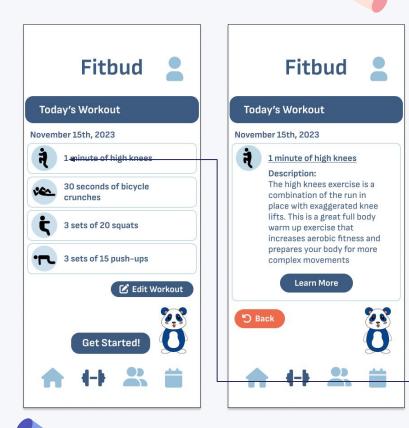
# H12: Value Alignment & Inclusion

**Description:** No measure of user's fitness level or satisfaction level taken in intro survey or before/after workouts

**Partial Fix:** Within the intro questionnaire, respectfully ask question(s) about the user's current fitness level and capabilities. The ability to edit workouts allows the users to adjust the exercise according to their desires.

Personalized workout for user





### H11: Aesthetic and Minimalist Design

**Description:** Visuals for workouts are small and can be unclear as to what they are envisioning.

**Fix:** The visual is only an icon and is not meant to represent the workout. However, we slightly enlarged the icon and then added an information page on the exercise if you click on the icon that explains in more detail what the exercise entails.

Click on icon for more information



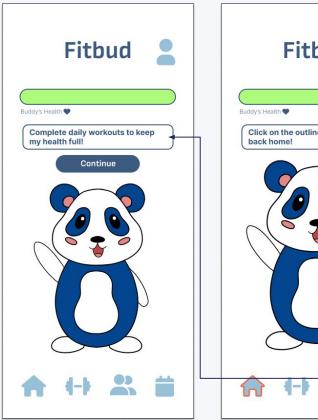
### H8: Aesthetic and Minimalist Design

**Description:** Very cluttered interface in past workouts page; would benefit from summarization.

**Reason to not fix:** Suggestion was not specific enough and we have already simplified a lot of our user interface with previous edits. Simplifying more would take away understanding of the app.







# Fitbud Click on the outlined icon to go

### H1: Visibility of System Status

**Description:** No clear indication for how to change the status of Buddy's health mentioned on the homescreen, but not mentioned at the end of a workout or anything similar.

**Fix:** Add a tutorial to show how to use the app for users who sign up. This tutorial contains a message that outlines how to keep up Buddy's health.

Message

### **Product Change**

### H12: Value Alignment and Inclusion

**Description:** Having workouts associated with Buddy's health may not be inclusive.

**Fix:** While this idea is necessary to urge the user to care for the buddy and motivate them to workout, Buddy can be revived after this occurs and give the user a free pass to restart if this does happen.

## **Usability Goals**

### EFFICIENCY

- Added friends icon to navbar makes navigation much more intuitive
- Tutorial shows the user how to use the app immediately upon signing up
- Resizing of important buttons allows for better first read of screens, guiding users to what is more important

### FUN

- Buddy's chosen name is more visible throughout the app
- Buddy holds signs pointing you to different pages instead of just having messages
- Buddy can now easily be revived and is more motivating and enjoyable than stressful for the user





**STATUS** 





# **Tools Used**



(Application Framework)



Expo (Software Dev Kit)



VSCode (IDE)

# **Task Flows**

- 1. **Simple**: Create a workout plan in an environment accessible to me and schedule that works for me
- 2. Medium: Have an accountability system for my commitment to fitness
- 3. **Complex:** Connect with friends who are also exercising

# **Task Flows**

- 1. **Simple**: Create a workout plan in an environment accessible to me and schedule that works for me
- 2. Medium: Have an accountability system for my commitment to fitness
- 3. Complex: Connect with friends who are also exercising

### Simple Task Flow (Implemented)

#### Getting started

W/bat	in	VOUR	current	fitnoco	lovol2
what	IS	vour	current	titness	level?

Q	search		

×

×

Beginne	ər	
Interme	diate	

Advanced

What are your fitness goals?

Q search

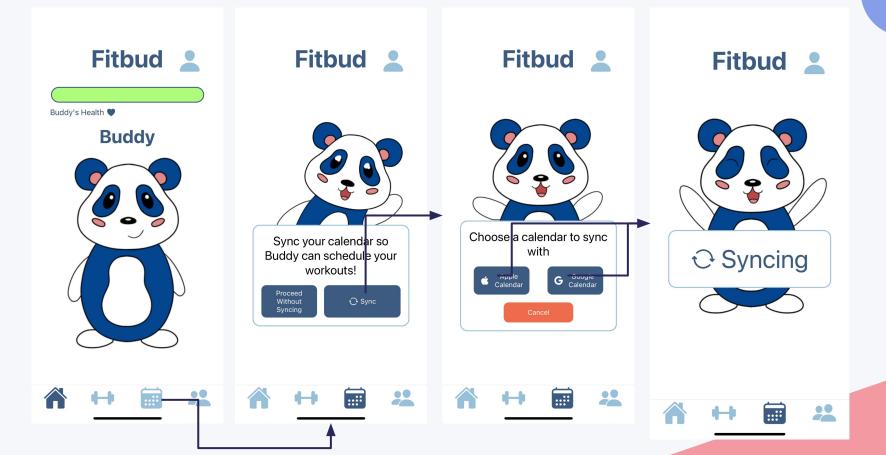
Strength/muscle
Weight loss
Stamina/endurance
Flexbility
Balance/coordination

Where do you want to work out?

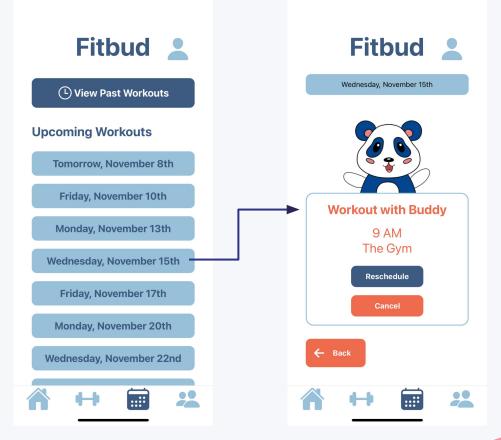
	Balance/coordination	
1	Where do you want to work out?	۲
	Q search	$\langle \rangle$
1	Gym	
	Home	
	Outside	
	How long do you want to work out for	?
	Q search	$\langle \rangle$
	15 minutes	
	30 minutes	
	45 minutes	
	60 minutes	
$\mathbf{V}$	>1 hour	
	On which day(s) do you prefer to work out?	
	Q search	<
ĺ		
	Sunday	
	Monday	
	Tuesday	
	Wednesday	

45 minutes	
60 minutes	
>1 hour	
On which day(s) do you prefer to wor out?	·k
Q search	×
- Section	
Sunday	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
During which time(s) of day do you orefer to work out?	
Q search	×
Morning	
Afternoon	
Evening	
Submit	
	User Schedulii
	Preferences

### Simple Task Flow (continued)



### Simple Task Flow (continued)

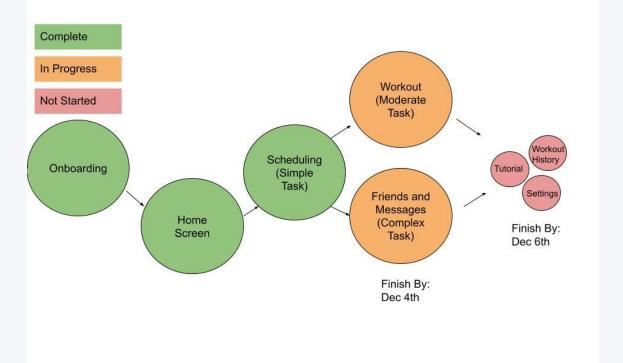


## **Not Yet Implemented/In Progress**

- Medium Task Flow (In Progress)
  - Start and Complete a Workout
  - Edit Workouts
- Complex Task Flow (In Progress)
  - Add Friends
    - Send Friend Requests
    - Accept Friend Requests
  - View Friends List
  - Schedule Workouts With Friends
  - Message Friends

- Other Screens
  - Workout History
  - Tutorial
  - Settings

### **Plan to Finish**



# **Hard-Coded Features**

- All of the **user's friends** and the **friend you can add** are hard-coded
- The **exercises** in the workouts are hard-coded with a few other hard-coded edits that you can make.
- "Buddy" that you can choose

# Wizard of Oz

- The prototype claims to be **syncing** the user's calendar and auto-scheduling a workout using an algorithm, but there is no such algorithm.
- A **friend request** will appear on the user's profile. This is an artificial friend, no request was actually sent.
- The user **already has several artificial friends** on their friends list (they are not real people).



# PROTOTYPE DEMO





\* Cotting atarted Fitbud

V.

V.

#### Getting started

What is your current fitness level?

Select option

What are your fitness goals?

Select option

Where do you want to work out?

Select option

How long do you want to work out for?

Select option

On which day(s) do you prefer to work out?

Select option

During which time(s) of day do you prefer to work out?

Select option





## **APPENDIX**



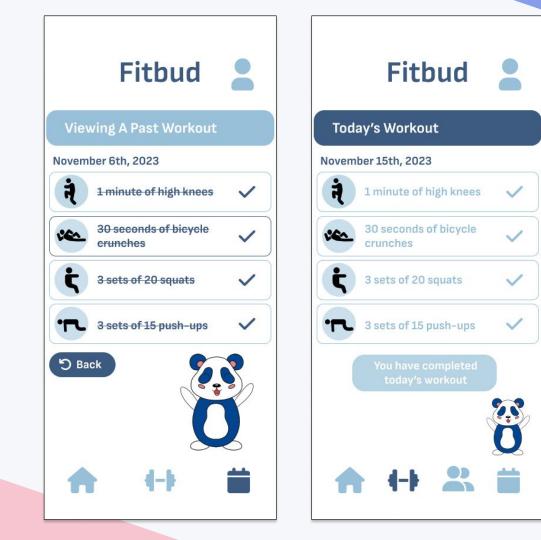
# **MORE UI AND** PRODUCT REVISIONS (SEV 1 & 2)



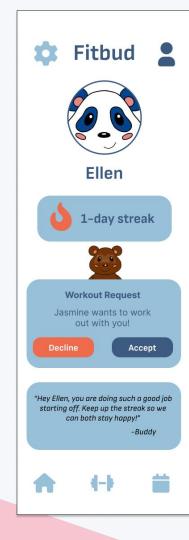


#### - SEV 2

 Changed layout of profile page so users could edit onboarding information more easily



- SEV 2
- Removed the strikethrough to improve readability
- Changed the color according to heuristic eval



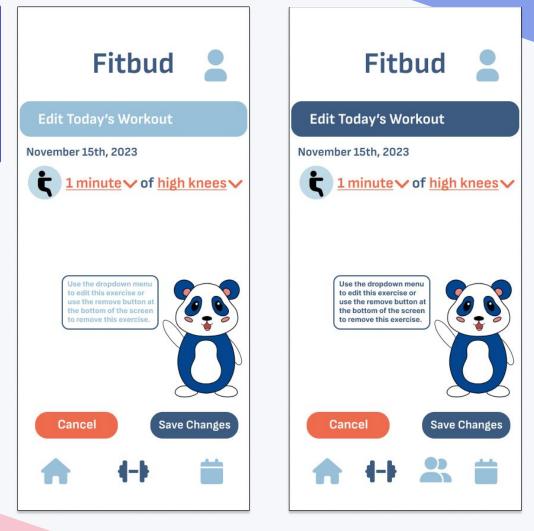
	Fitbu	d 💄
Friends <u>Messages</u> !		
Frien	d Requests	
	Kai Let's be friends!	Accept Reject
	<b>Jongdae</b> Let's be friends!	Accept Reject
	Baekhyun Let's be friends!	Accept Reject
Work	out Request	ts
	Jasmine Let's workout!	Accept Reject
A	(+) 2	

SEV 2

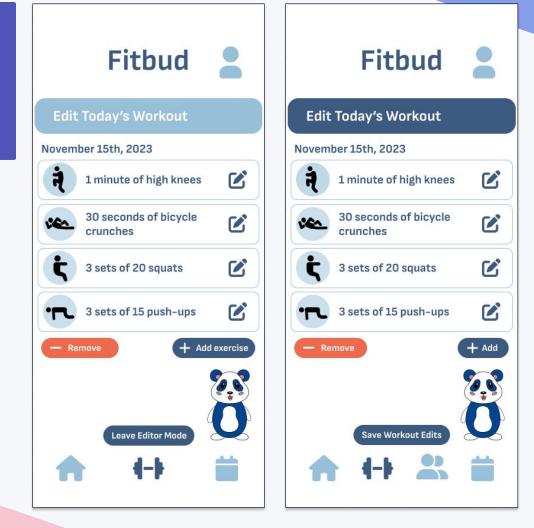
-

Moved the notifications all to one location under friends (specifically messages) for more intuitive access

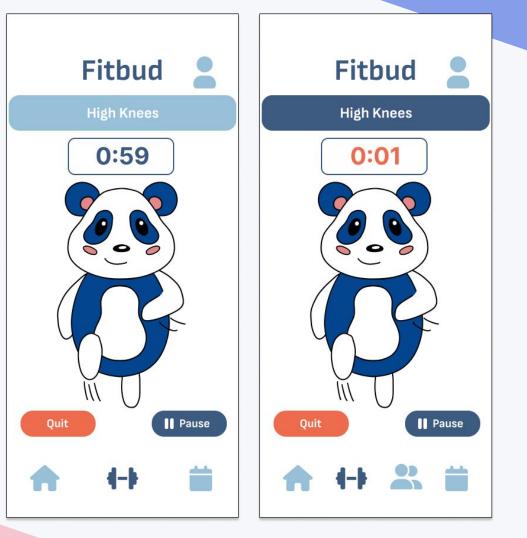
- SEV 1
- Changed color of Buddy's speech text to a darker blue for better readability



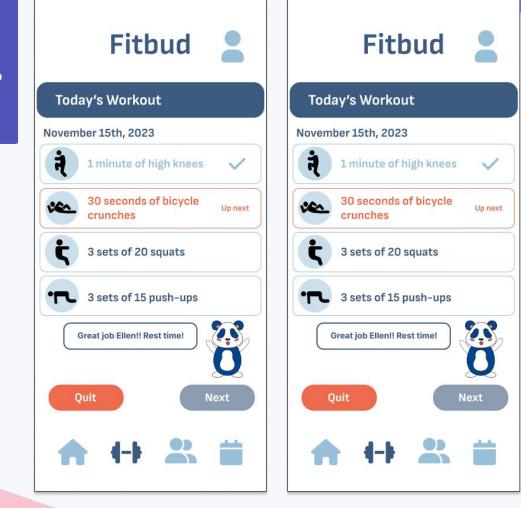
- SEV 1
- Removed word "exercise" to avoid cluttering



- SEV 1
- Made headers of workout page (i.e. High Knees) a darker blue for better visibility

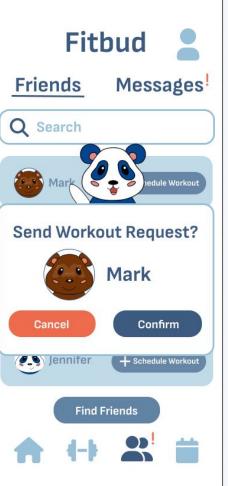


- SEV 2
- Made next button unavailable for a couple of seconds to give users a forced resting period



- Not a heuristic violation but integrated well with our addition of a friends tab and made the app more intuitive
- Removed Schedule with Friends from calendar page and moved to friends tab



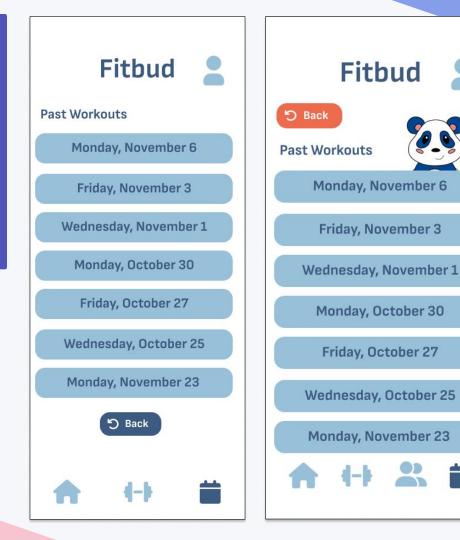


#### SEV 2

Was unclear what upcoming workouts are with a friend or not



- SEV 2
- Move up back button on screens with scroll so users can easily see
- Make all back buttons orange
- Added Buddy for greater prominence in app



### Fitbud

**Getting Started** 

What are your fitness goals? Select all that apply

Muscle Gain/Strength

Weight Loss

Build Endurance

Balance and Coordination

#### Where do you want to work out?

Select all that apply
Gym
Home
Server

#### How long do you want to exercise? Select ore 15 minutes 45 minutes 0 60 minutes 0 70 minutes 100 minutes 100 minutes 100 minutes

#### What days do you prefer?

Select all that apply

 S
 M
 T
 W
 T
 F
 S

 Image: Image of the second se

#### What time of day do you prefer? Select all that apply Morning

Afternoon

#### Have you been injured? Optional

Ves No

Submit

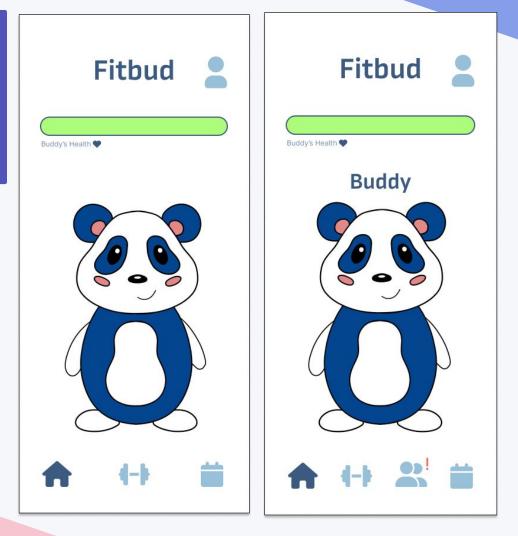
Fitbud 🐼		
5 Back		
Getting Started		
What is your current fitness level? Select the best one		
Intermediate Advanced		
What are your fitness goals? Select all that apply		
To get stronger/build muscle		
To improve stamina		
To be more flexible		
Where do you want to work out? Select all that apply Orm Home Park		
How long do you want to exercise? Exercise? Binitians breammanded for beginners! Stammas Generations For Aminates For Aminates Exercises 120-minates 120-minates		
What days do you prefer?           Select oil that apply           S         M         T         W         T         F         S		
What time of day do you profer? Select all that apply Monning Attension Evening		
Have you been injured before?		
Share the injury for workout plan customization Type here (optional)		
Submit		

#### - SEV 1

- Changed the "box within box" with extra subdivisions
- Included a back button to return to personal information screen

- SEV 2

- Added Buddy's name above Buddy so user can see its name



- SEV 2
- Change Setting Up intro page's button wording to avoid confusion

