

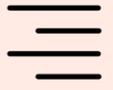
CS 147 - Assignment #5



B

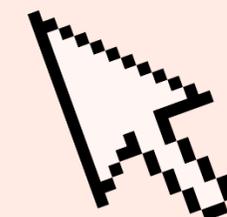
I

U



MetaGym

Lo-Fi Prototype +
Initial User Testing



PRESENTATION OVERVIEW

1. **EXPLORING DESIGN IDEAS**

2. **MOBILE + VR LO-FI PROTOTYPES**

3. **USABILITY TESTING + ANALYSIS**



OUR PRODUCT: METAGYM

[Mission Statement]

Make working out fun and motivating by feeling present with a community and learning from live experts.

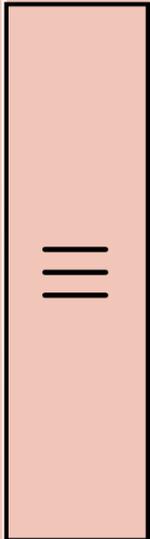
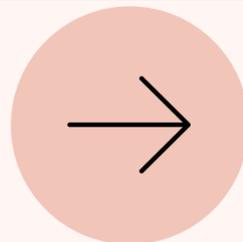
[Value Proposition]

Get fit with anyone, anywhere

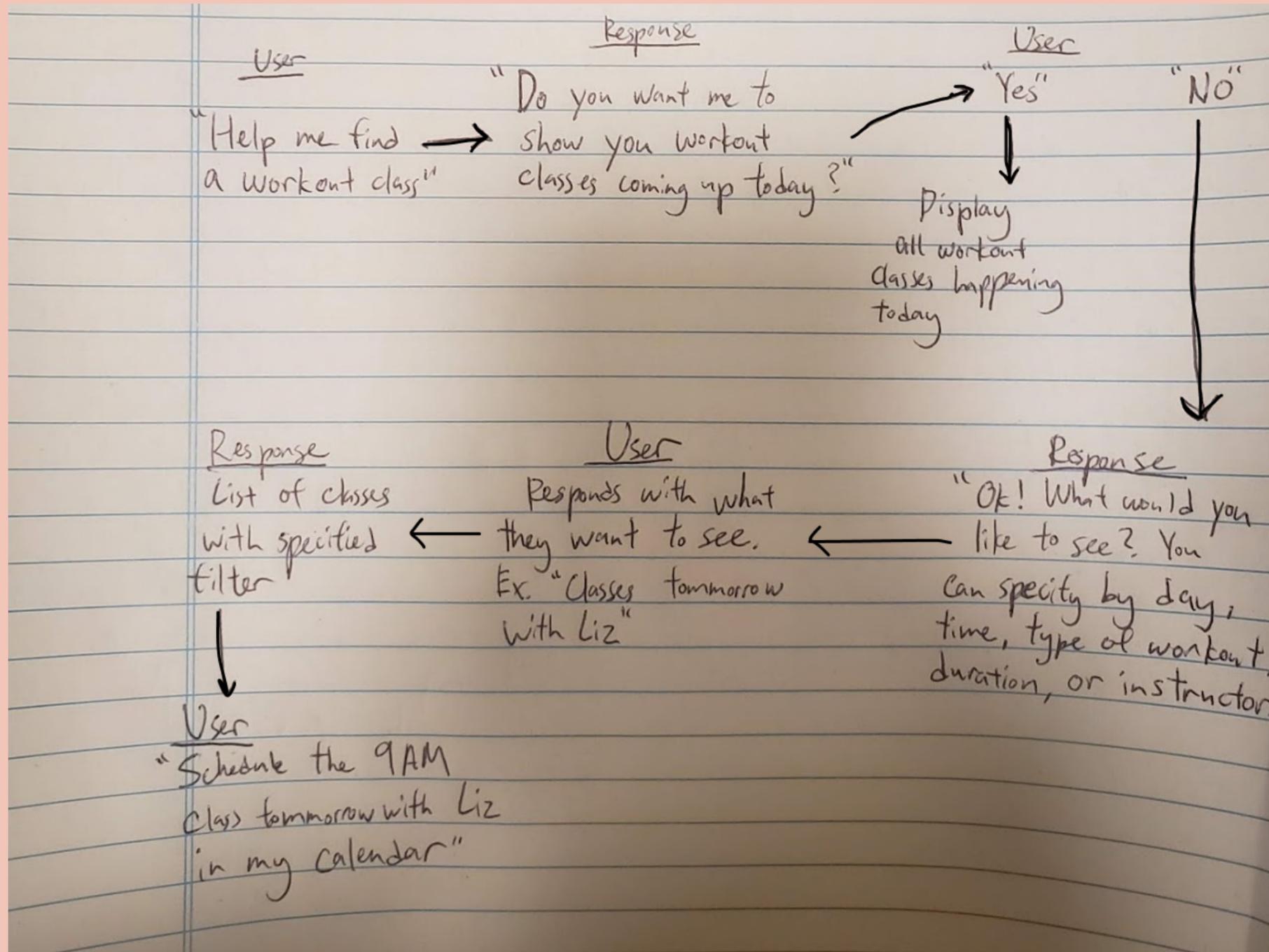




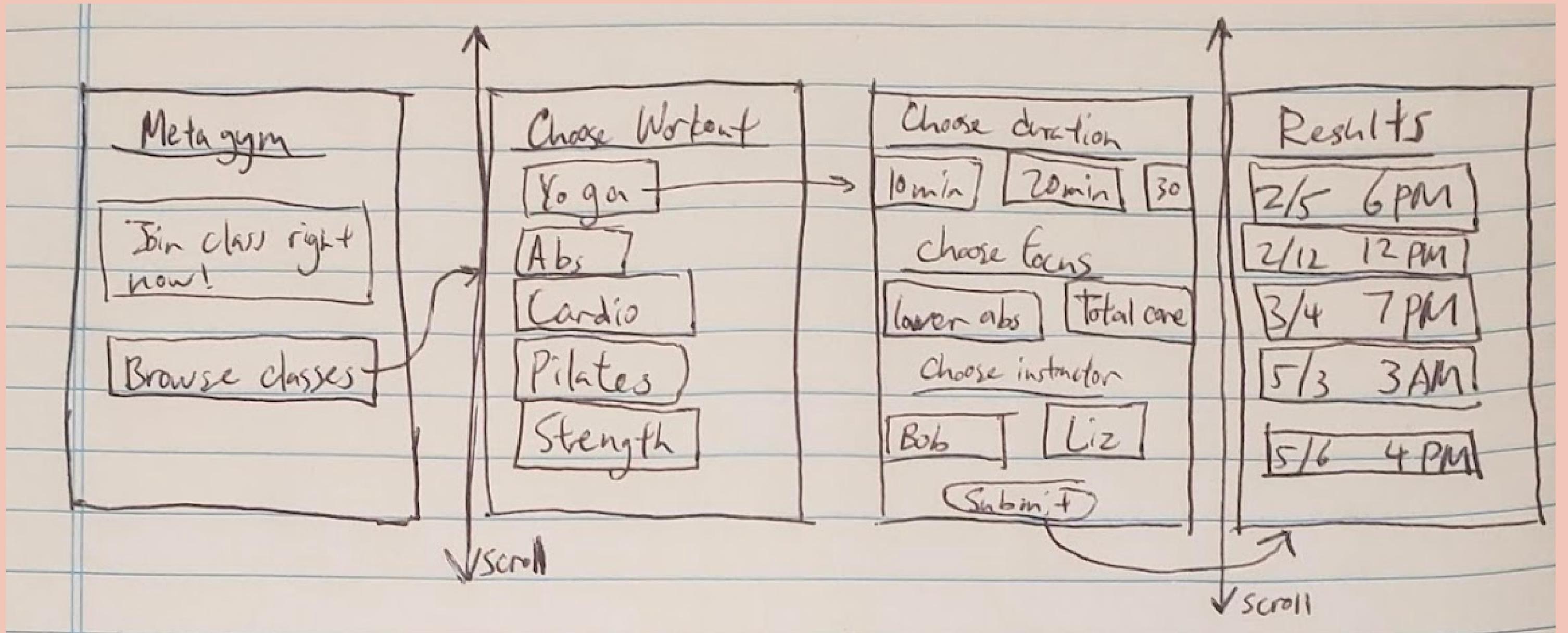
EXPLORING DESIGN IDEAS



VOICE COMMAND



MOBILE



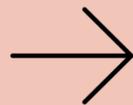
INTERFACE SELECTION & RATIONALE

We decided for on a mobile app interface for browsing and planning workout classes

While asking a voice assistant to help users find classes could feel more personal, we felt that browsing through classes on a smartphone would be more intuitive and would allow users to find the classes they are trying to find more quickly. We ultimately believed that the greater functionality on a mobile device trumps the extra personalization a voice-based system would have.



LO-FI PROTOTYPES



Prototyping Tools Used

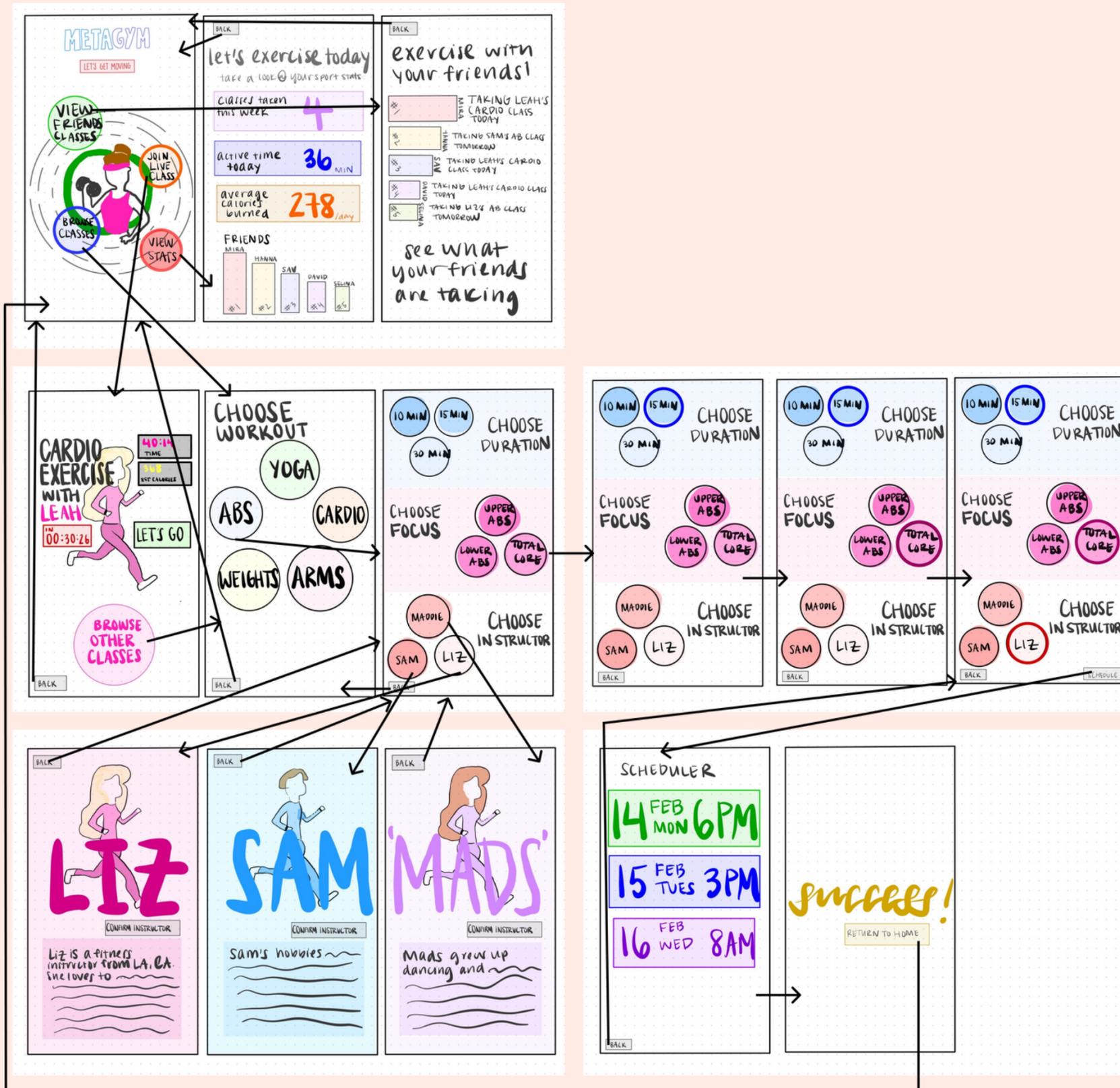


Mobile Prototype



TASK 1:
BROWSE & PLAN
FITNESS CLASS

Browse & Plan Fitness Classes





CHOOSE WORKOUT + DURATION/FOCUS/INSTRUCTOR

CARDIO EXERCISE WITH LEAH

40:14
TIME

368
EST. CALORIES

IN 00:30:26

LET'S GO

BROWSE OTHER CLASSES

BACK

CHOOSE WORKOUT

YOGA

ABS

CARDIO

WEIGHTS

ARMS

BACK

10 MIN 15 MIN 30 MIN

CHOOSE DURATION

CHOOSE FOCUS

UPPER ABS

LOWER ABS

TOTAL CORE

MADDIE

SAM LIZ

CHOOSE INSTRUCTOR

BACK



INSTRUCTOR BIOS

<p>BACK</p>  <p>LIZ</p> <p>CONFIRM INSTRUCTOR</p> <p>Liz is a fitness instructor from LA, CA. She loves to ~~~~~ ~~~~~ ~~~~~ ~~~~~</p>	<p>BACK</p>  <p>SAM</p> <p>CONFIRM INSTRUCTOR</p> <p>Sam's hobbies ~~~~~ ~~~~~ ~~~~~ ~~~~~</p>	<p>BACK</p>  <p>MADS</p> <p>CONFIRM INSTRUCTOR</p> <p>Mads grew up dancing and ~~~~~ ~~~~~ ~~~~~ ~~~~~</p>
--	---	---



TRACK PERSONAL PROGRESS + FRIEND ACTIVITY

METAGYM
LET'S GET MOVING

VIEW FRIENDS CLASSES
JOIN LIVE CLASS
BROWSE CLASSES
VIEW STATS

BACK

let's exercise today
take a look @ your sport stats:

classes taken this week **4**

active time today **36** MIN

average calories burned **278** /day

FRIENDS

Friend	Activity
MIRA (#1)	TAKING LEAH'S CARDIO CLASS TODAY
HANNA (#2)	TAKING SAM'S AB CLASS TOMORROW
SAV (#3)	TAKING LEAH'S CARDIO CLASS TODAY
DAVID (#4)	TAKING LEAH'S CARDIO CLASS TODAY
SELINA (#5)	TAKING LIZ'S AB CLASS TOMORROW

see what your friends are taking

Browse & Select Fitness Classes



CHOOSE DURATION, FOCUS, AND INSTRUCTOR

The image displays three sequential hand-drawn screens on a dotted background, illustrating the selection process for fitness classes. Each screen is divided into three horizontal sections: 'CHOOSE DURATION', 'CHOOSE FOCUS', and 'CHOOSE INSTRUCTOR'.
- **Screen 1:** In the 'CHOOSE DURATION' section, three circles represent 10 MIN, 15 MIN (highlighted with a blue border), and 30 MIN. In the 'CHOOSE FOCUS' section, three circles represent UPPER ABS, LOWER ABS, and TOTAL CORE. In the 'CHOOSE INSTRUCTOR' section, three circles represent MADDIE, SAM, and LIZ. A 'BACK' button is at the bottom left.

- **Screen 2:** This screen is identical to the first, showing the initial selection options for duration, focus, and instructor.

- **Screen 3:** This screen shows the final selection. In the 'CHOOSE DURATION' section, the 15 MIN circle is highlighted with a blue border. In the 'CHOOSE FOCUS' section, the UPPER ABS circle is highlighted with a pink border. In the 'CHOOSE INSTRUCTOR' section, the LIZ circle is highlighted with a red border. A 'BACK' button is at the bottom left, and a 'SCHEDULE' button is at the bottom right.

Browse & Select Fitness Classes



SCHEDULE CLASSES

SCHEDULER

14 FEB MON 6PM

15 FEB TUES 3PM

16 FEB WED 8AM

BACK

SCHEDULER

14 FEB MON 6PM

15 FEB TUES 3PM

16 FEB WED 8AM

BACK

SCHEDULER

14 FEB MON 6PM

15 FEB TUES 3PM

16 FEB WED 8AM

BACK

Success!

RETURN TO HOME

VR Prototype



TASK 2: BUILD MOTIVATION AND COMMUNITY

Build Motivation and Community



MG PREMIUM

ALRIGHT METAGYM...
LET'S LEARN TO SHOOT!

LIVE CHAT

The legend himself!

WOW!!

Hi fellow MGers

Sick class!!!

🔥🔥

New Chat...

John, Sarah, Juliette, and 13 other friends are live **SAY HI! →**

MG PREMIUM

ALRIGHT METAGYM...
LET'S LEARN TO SHOOT!

LIVE CHAT

The legend himself!

WOW!!

Hi fellow MGers

Sick class!!!

🔥🔥

New Chat...

MG PREMIUM

LOOKING GOOD CLASS!

ASK FOR PERSONAL FEEDBACK

LIVE CHAT

WOW!!

Hi fellow MGers

Sick class!!!

🔥🔥

New Chat...

MG PREMIUM

ALRIGHT METAGYM...
LET'S LEARN TO SHOOT!

LIVE CHAT

The legend himself!

WOW!!

Hi fellow MGers

Sick class!!!

🔥🔥

recording...

SEND

New Chat...

Build Motivation and Community



ENTER VR PLATFORM

METAGYM

LET'S GET MOVING

MG PREMIUM

FAVORITE INSTRUCTORS

SARAH B. STEPH C. JOHN P. EMILY Z.

VIEW CLASSES VIEW CLASSES VIEW CLASSES VIEW CLASSES

MILESTONES



FRIEND ACTIVITY

- John is taking Yoga Fundamentals
- Whitney just finished her 10th MG
- Leila, Joey, and sam are taking...
- Tony just joined MG — welcome!

UPCOMING CLASS

LIVE IN 00:00:05
Steph Curry teaches the fundamentals of shooting & scoring.
15 friends joining

BROWSE OTHER CLASSES

- TENNIS 101 w/ SERENA WILLIAMS
- JOG ON w/ USAIN BOLT
- PUTTING FUNDAMENTALS w/ PHIL MICKELSON
- STRENGTH & STRETCH w/ SIMONE BILES
- HIIT & YOGA w/ SARAH B.
- LIFTING 1 w/ BARRY G.
- SOCCER 101 w/ LIONEL MESSI
- CYCLING w/ SAMUEL B.

Build Motivation and Community



JOIN LIVE CLASS

MG PREMIUM



ALRIGHT METAGYM...
LET'S LEARN TO SHOOT!

LIVE CHAT

The legend himself!

WOW!!

Hi fellow MGers

Sick class!!!

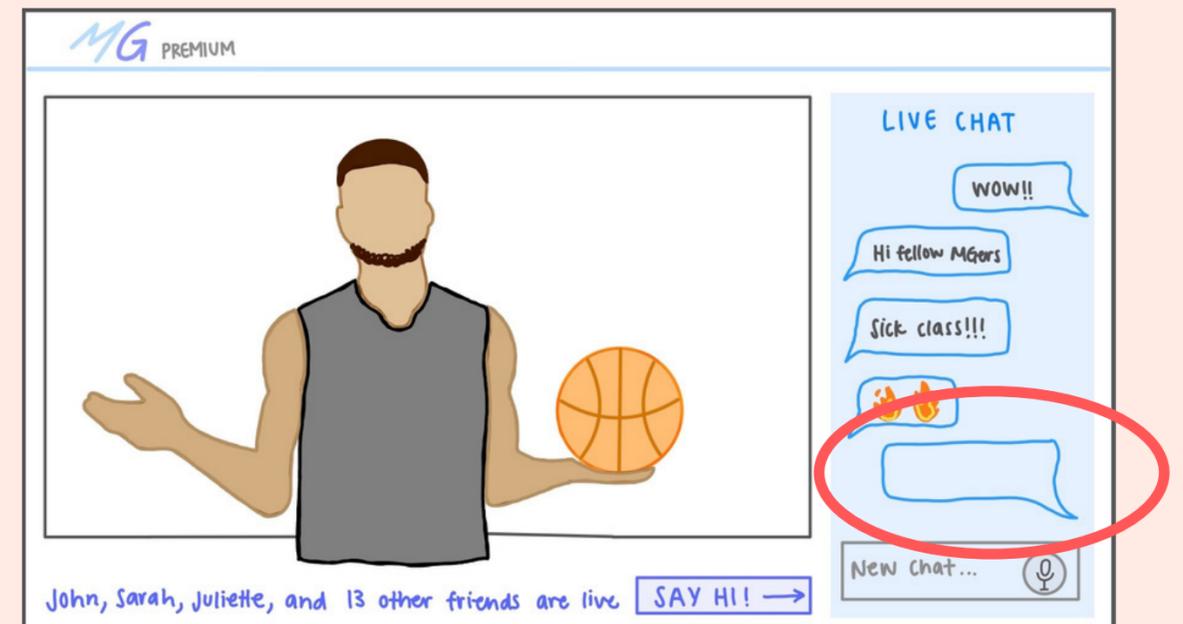
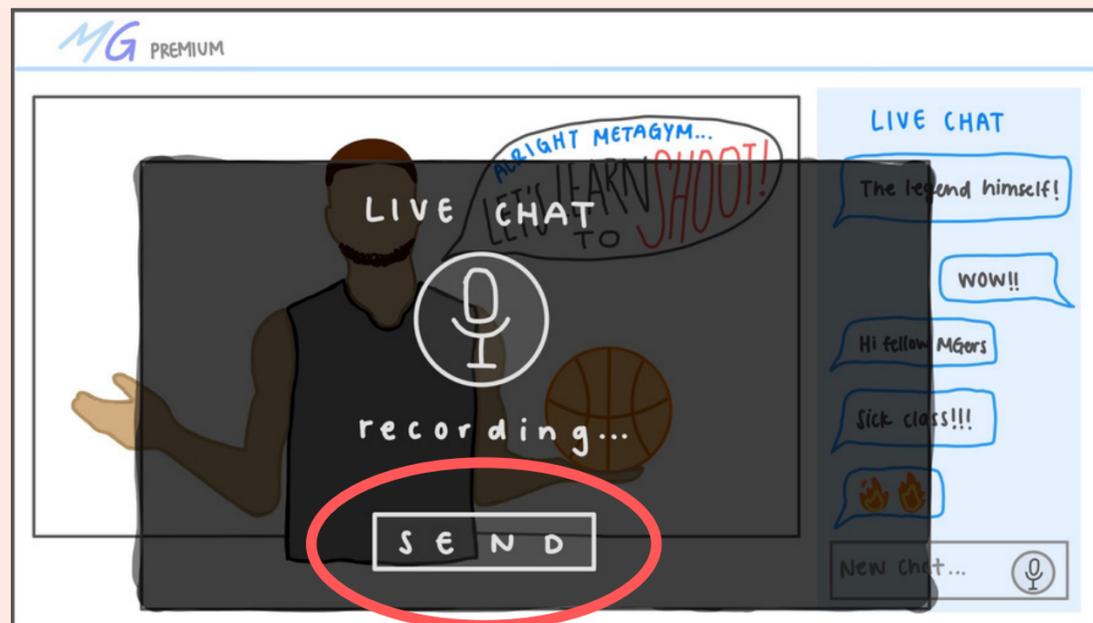
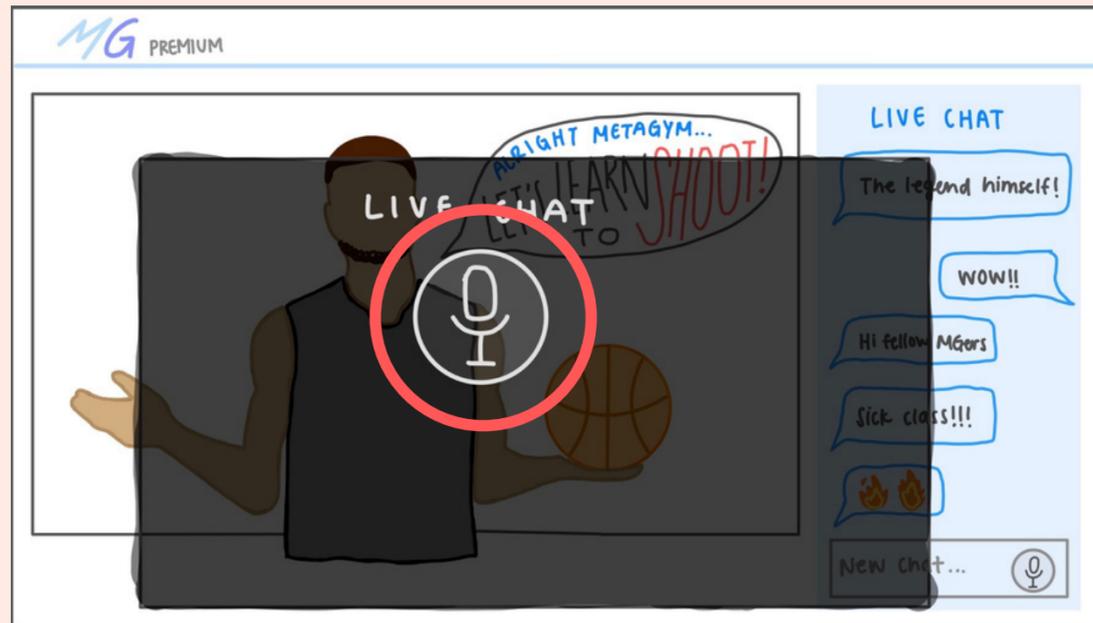
🔥 🔥

New chat... 

John, Sarah, Juliette, and 13 other friends are live **SAY HI! →**



SEND CHAT VIA VOICE RECOGNITION

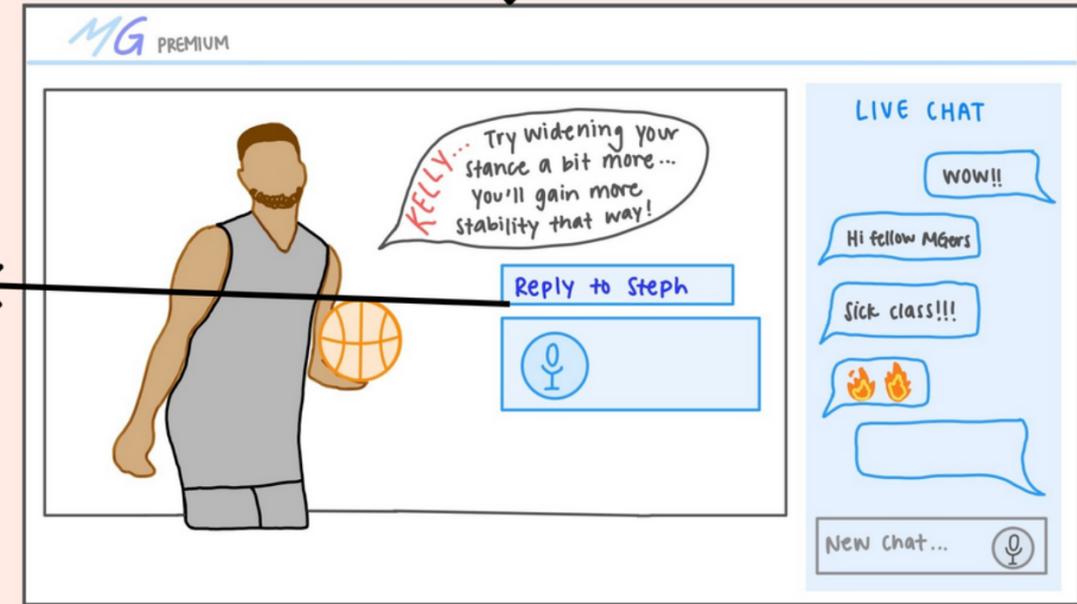
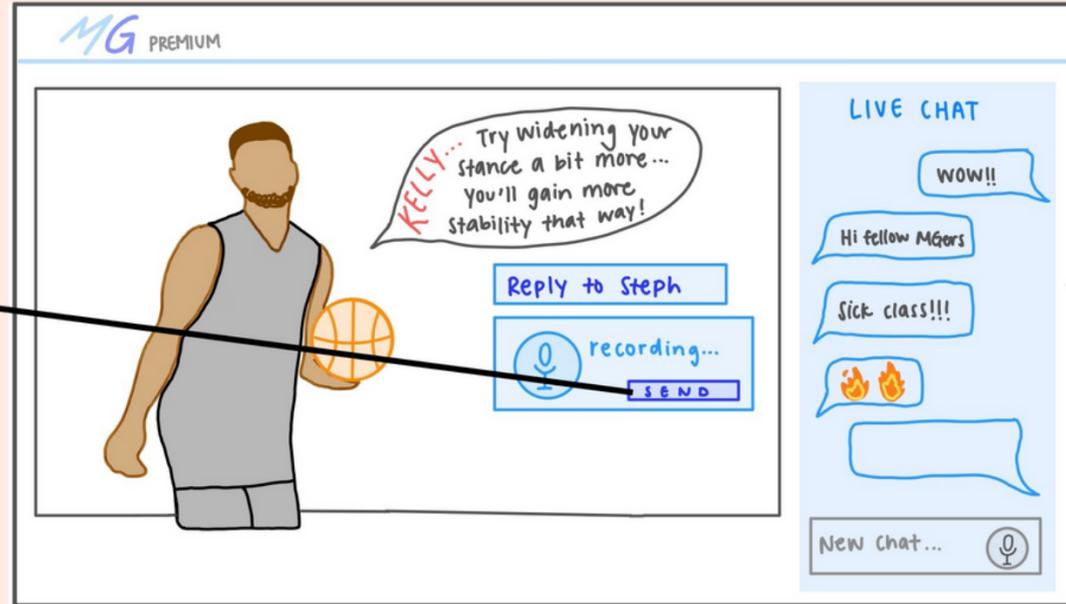
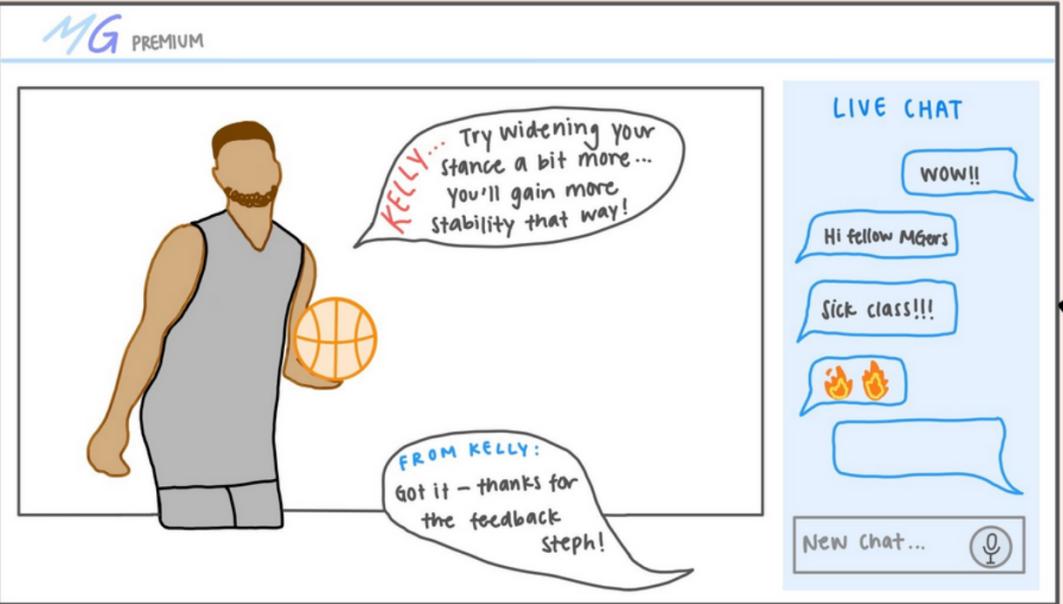
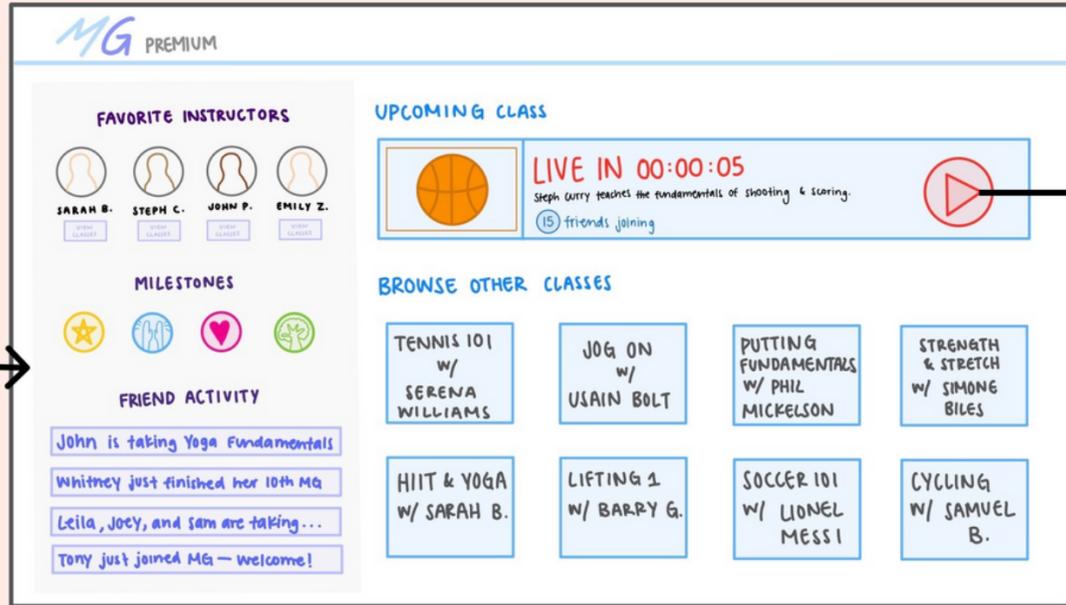
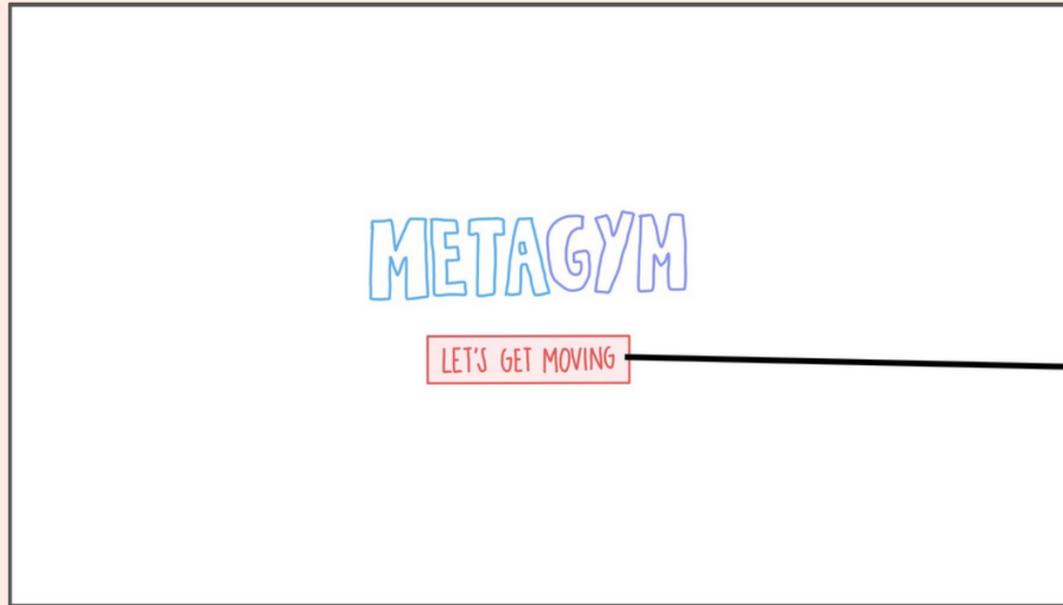


VR Prototype



**TASK 3:
RECEIVE
INSTRUCTION FROM
INSTRUCTOR**

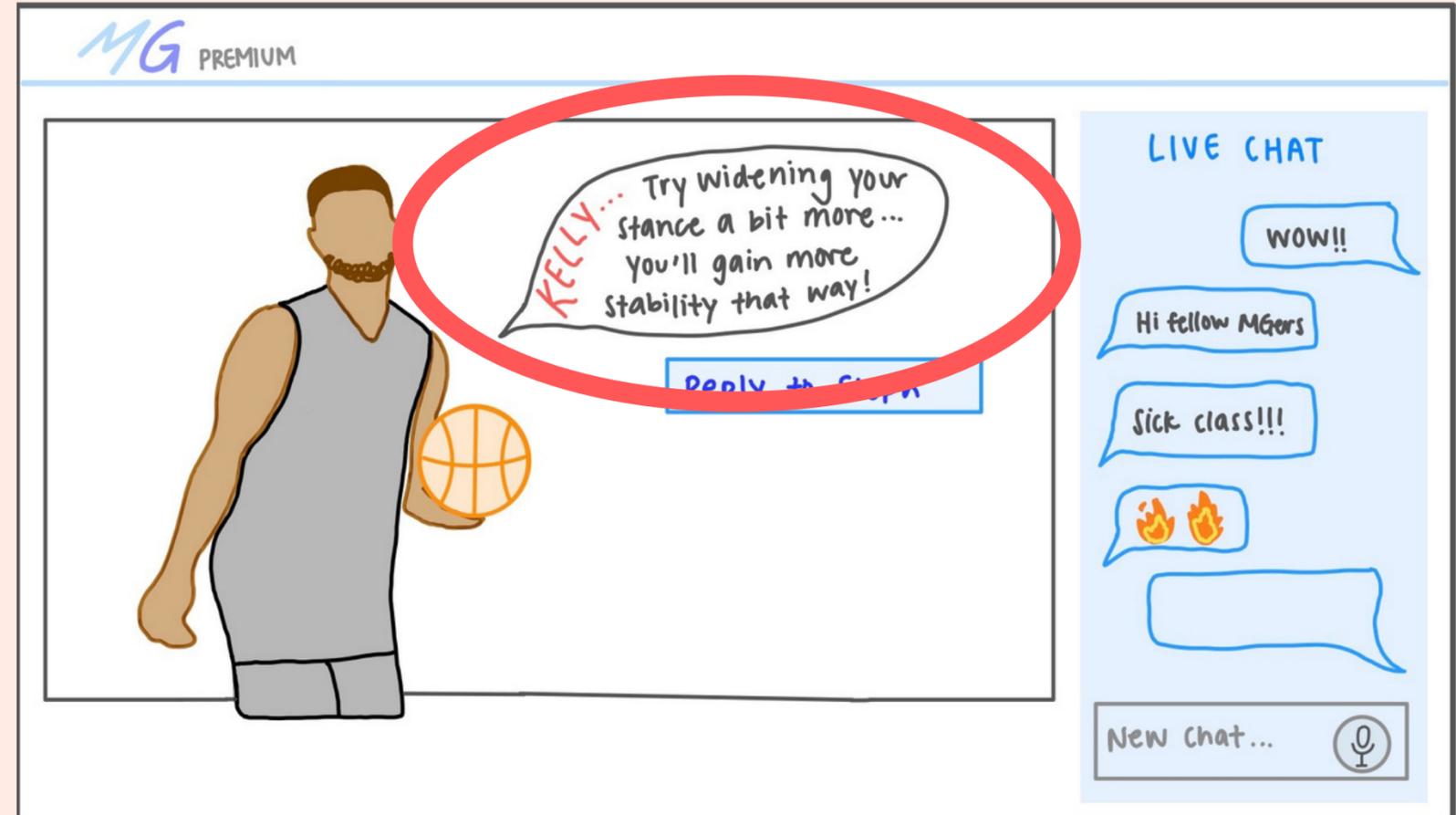
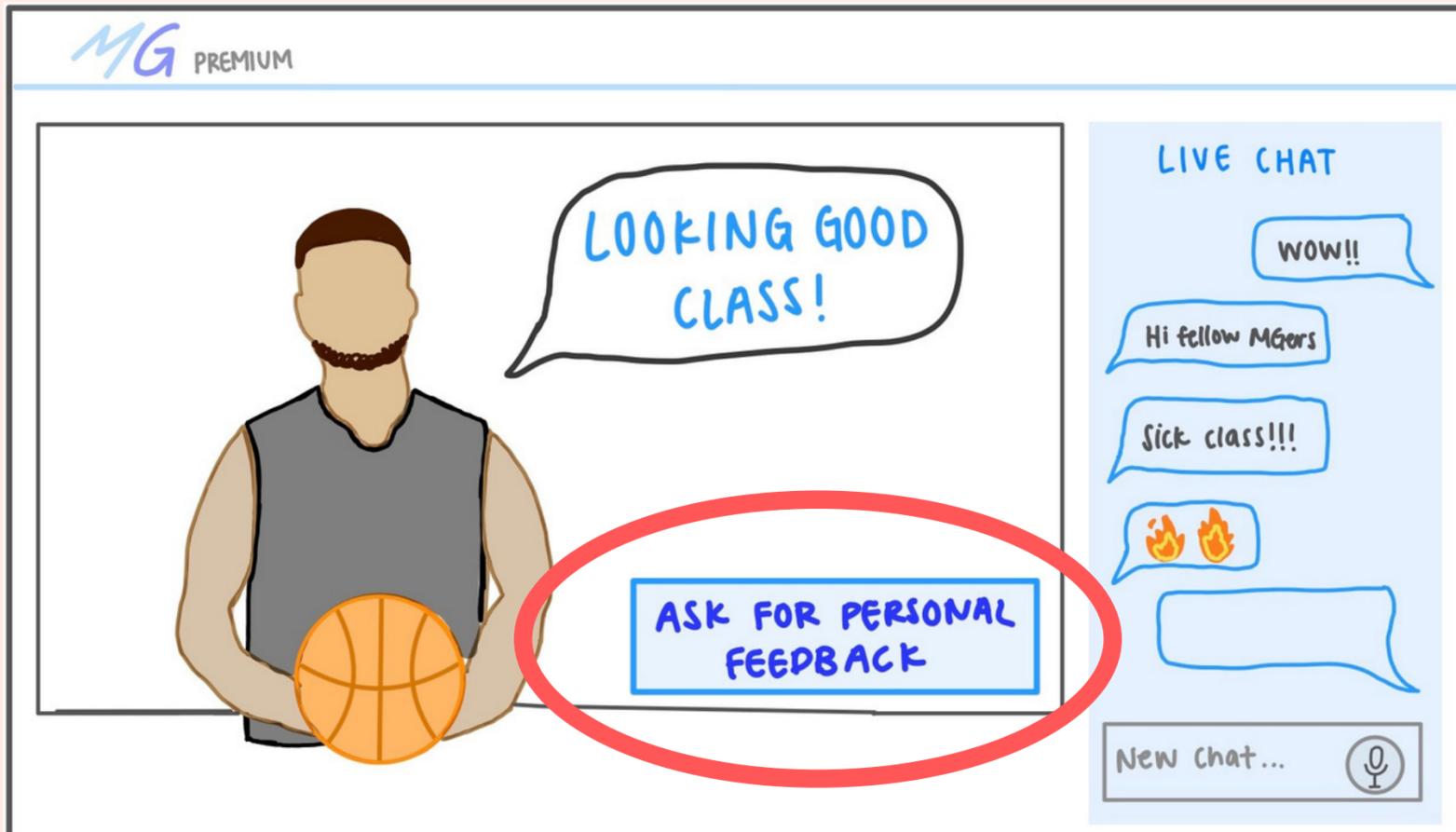
Receive Instruction from Instructor



Receive Instruction from Instructor



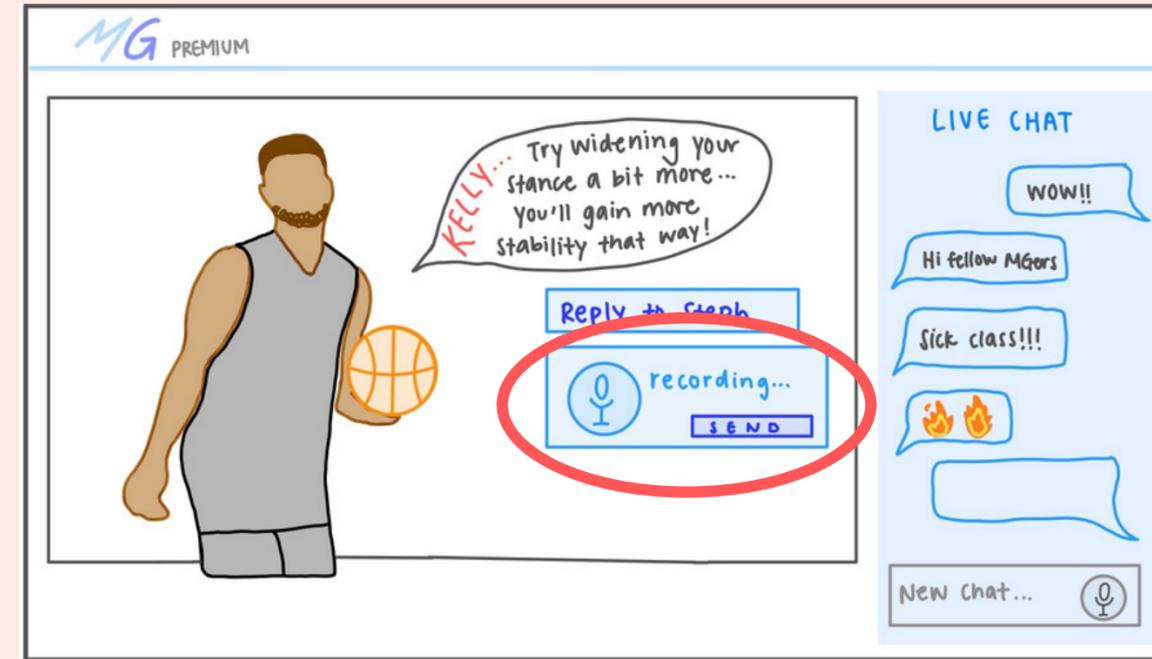
REQUEST PERSONAL FEEDBACK



Receive Instruction from Instructor



REPLY TO INSTRUCTOR VIA VOICE



Interview Process

Facilitator asks participant relevant follow-up questions

Participant provides commentary while completing tasks and facilitator takes notes

Participant shares screen and completes tasks

Facilitator gives introduction, demo on InVision and Adobe XR, and tasks



PARTICIPANT OVERVIEW



PARTICIPANT 1

- 21 year female @ Brown
- from Atlanta, GA
- loves lululemon workout gear and design!

-recruited from a mutual friend



PARTICIPANT 2

- 42 year old mother of 2
- homegrown Palo Alto

- arbitrarily recruited from SoulCycle class



PARTICIPANT 3

- 20 year old female from Binghamton University
- doesn't like working out

-recruited from a mutual friend

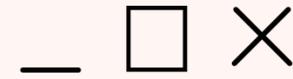


PARTICIPANT 4

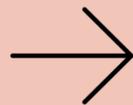
- 30 year male from Nashville, Tennessee
- moderately works out

-recruited from a mutual friend





EXPERIMENTAL RESULTS



RESULTS: SUCCESSES

VOICE

Felt intuitive to use voice rather than having to type while working out

NAVIGATION

Able to successfully navigate through all screens without major intervention

VR PROTOTYPE UI

Loved the interactivity of the 3D UI

DESIGN

Loved the fun colors, circular buttons, and the handwritten font





“I like that it’s
a voice message
because I can’t
really type while
working out”



- PARTICIPANT 1



RESULTS: ERRORS

SCHEDULING THE CLASS

Testers were confused because they thought they had already scheduled the class after confirming an instructor. There were also no details shown about the selected class after confirming.

LIVE CLASS

The VR UI was cluttered with lots of buttons and text, which made it difficult to find the join class button

AUDIO TRANSCRIPTION OR TEXT?

Participants weren't sure if they should speak into the mic or if there was supposed to be a keyboard to text during the live chat task. One participant noted it would be a 'hassle' to keep up with the live chat while working out.

EXIT CLASS

There was no way to exit a live class after the class was over





“It would be nice if we got to see a summary of our schedule on the success page.”



- PARTICIPANT 3





“How can I turn
my avatar cam/mic
off if I want a
water break?”



- PARTICIPANT 1



SUGGESTED UI CHANGES

CLASS SCHEDULER

The wording should be changed to "select instructor" to prevent confusion. Details about scheduled classes should also appear somewhere, and there could also be a Google Calendar event function.

LIVE CLASS

The VR homepage should only have the most important details, and the button to join a live class should be big and obvious with a text label.

AUDIO COMMUNICATION

Rather than having a chat with voice-to-text communication, it may be better to simply have a microphone on/off button and allow users to chat live through voice.

EXIT CLASS

There should be a button to exit a class and return to the homepage at any time.



IN SUMMARY

WE WILL NEED TO...

1. Ensure seamless transitions between different task flows
2. Sharpen the clarity of UI function
3. Simplify the UI



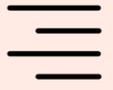
CS 147 - Assignment #5



B

I

U



Thank you!

- MetaGym

