

CS 147 - Assignment #5



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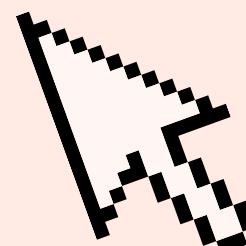
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MetaGym

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]

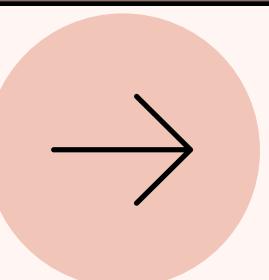
Make working out fun and motivating by feeling present with a community and learning from live experts.

[Value Proposition]

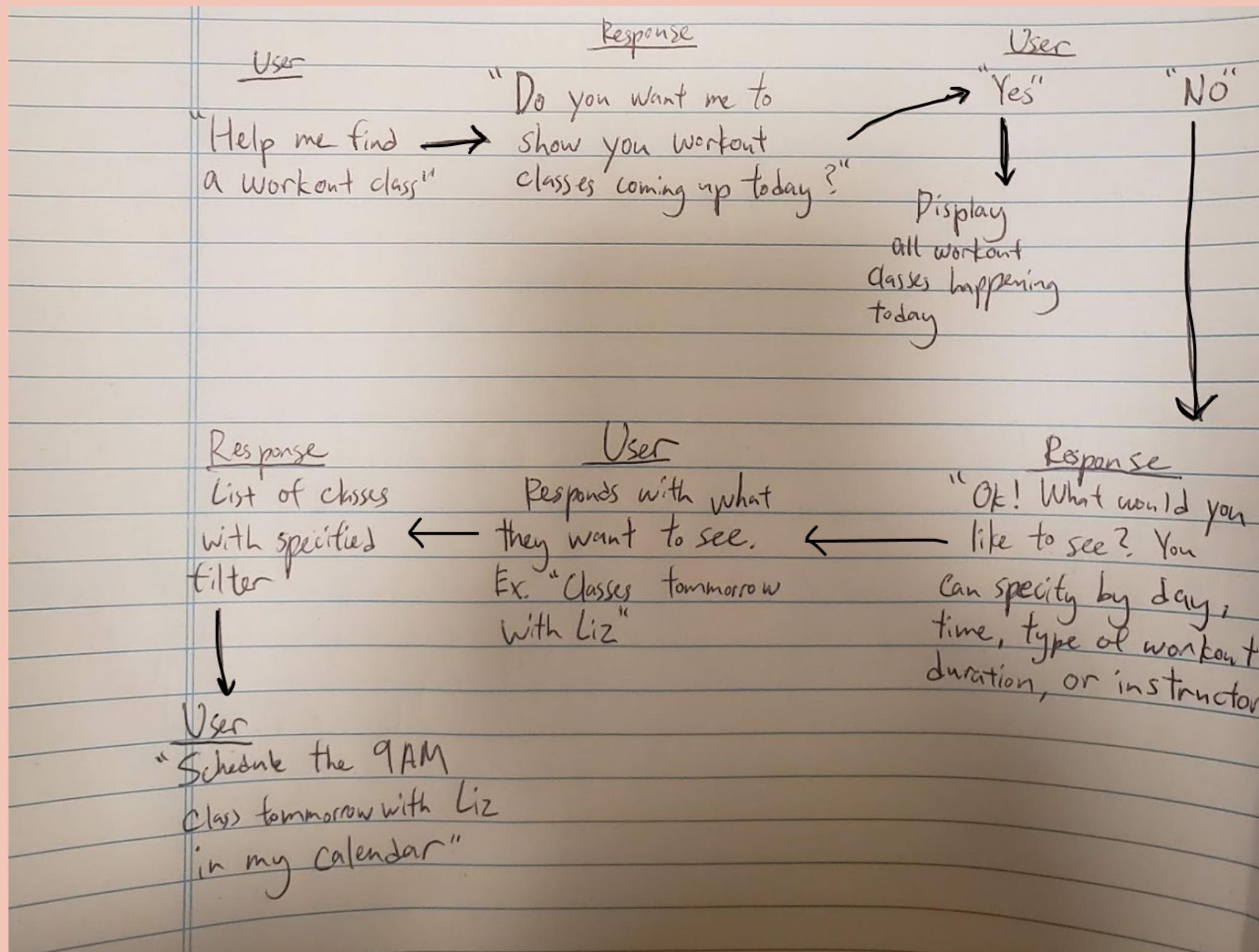
Get fit with anyone, anywhere

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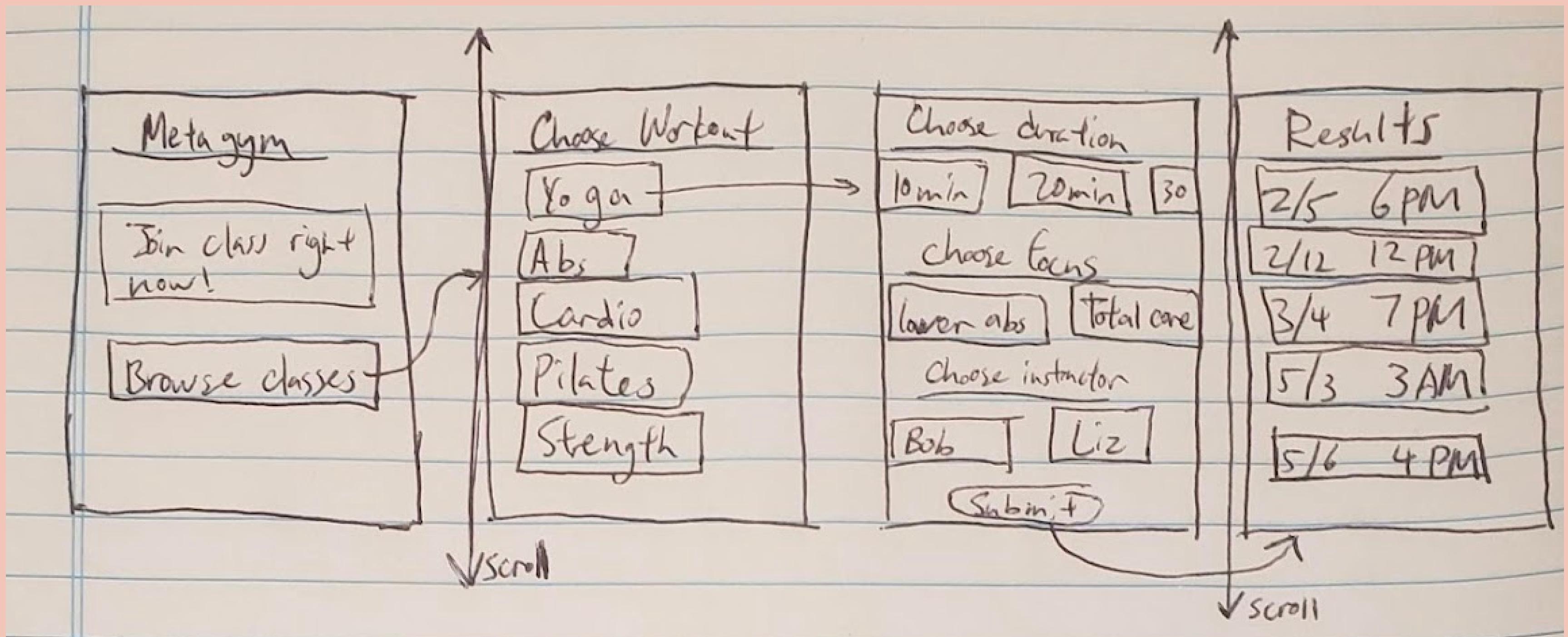
EXPLORING DESIGN IDEAS



VOICE COMMAND



MOBILE

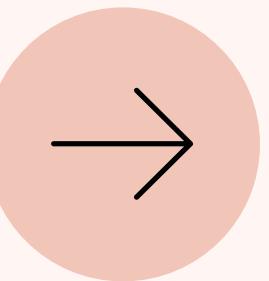


INTERFACE SELECTION & RATIONALE

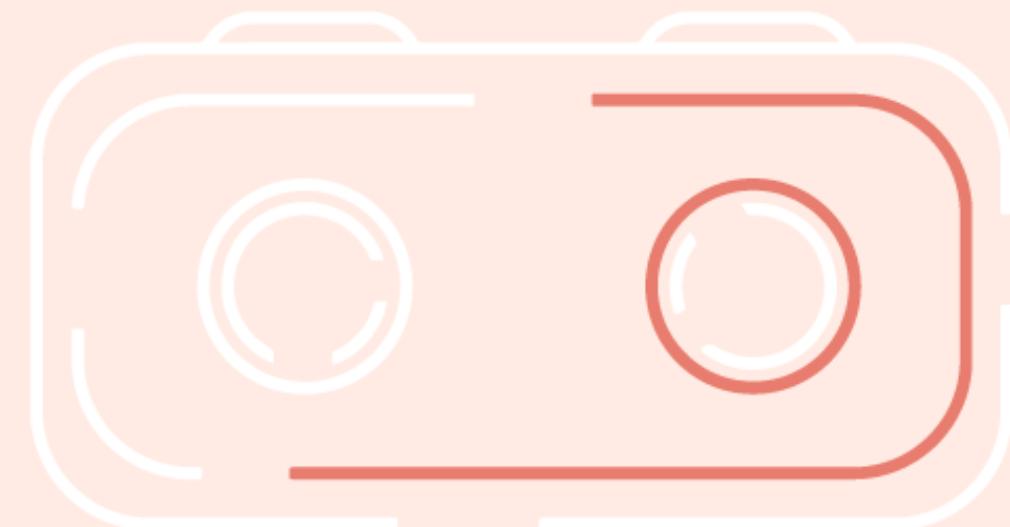
We decided for on a mobile app interface for browsing and planning workout classes

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



DRAFTXR

Mobile Prototype

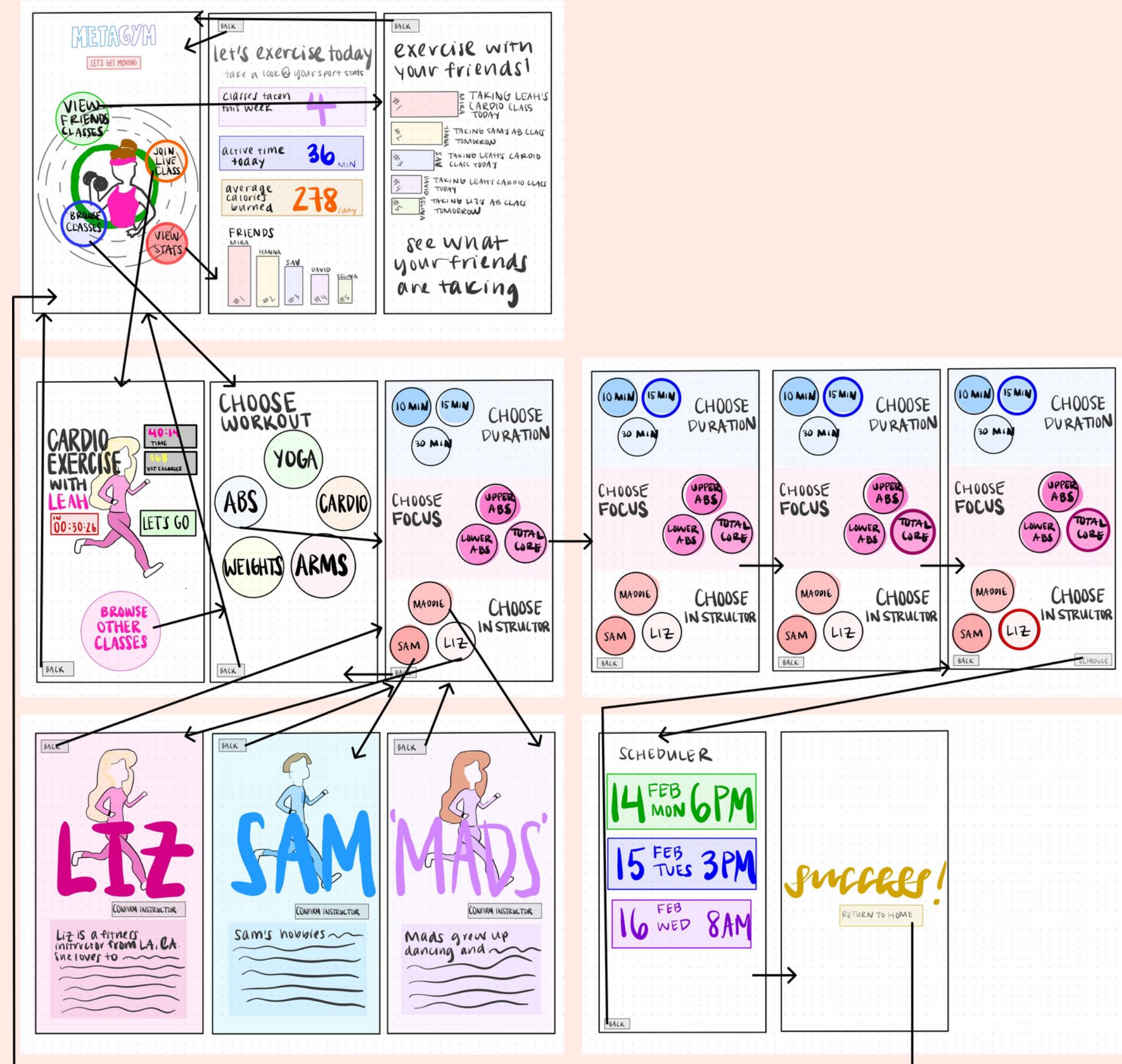
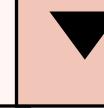


TASK 1:

BROWSE & PLAN

FITNESS CLASS

Browse & Plan Fitness Classes



Browse & Plan Fitness Classes



CHOOSE WORKOUT + DURATION/FOCUS/INSTRUCTOR

The image displays three mobile application screens for fitness class selection, arranged horizontally. Each screen has a light orange header and a white body with black text and graphics.

- Left Screen:** A cartoon illustration of a woman running. The text reads "CARDIO EXERCISE WITH LEAH" in large letters, "IN 00:30:26" in a red box, "40:14 TIME" in a grey box, "368 EST. CALORIES" in a yellow box, and "LET'S GO" in a green box. A pink circle at the bottom says "BROWSE OTHER CLASSES". A small "BACK" button is at the bottom left.
- Middle Screen:** The title "CHOOSE WORKOUT" is at the top. Below it are five circular options: YOGA (green), ABS (white), CARDIO (orange), WEIGHTS (yellow), and ARMS (pink). A small "BACK" button is at the bottom left.
- Right Screen:** The title "CHOOSE DURATION" is at the top. Below it are three blue circles: "10 MIN", "15 MIN", and "30 MIN". The title "CHOOSE FOCUS" is in the middle. Below it are four pink circles: "UPPER ABS", "LOWER ABS", "TOTAL CORE", and "MADDIE". The title "CHOOSE INSTRUCTOR" is at the bottom. Below it are three red circles: "SAM", "LIZ", and "BACK".



INSTRUCTOR BIOS

BACK

LIZ

CONFIRM INSTRUCTOR

Liz is a fitness instructor from LA, CA. She loves to ~~~~~~

BACK

SAM

CONFIRM INSTRUCTOR

SAM'S Hobbies ~~~~~~

BACK

'MADS'

CONFIRM INSTRUCTOR

Mads grew up dancing and ~~~~~~



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

NAME	ACTIVITY	STATUS
MIRA	CARDIO	TAKING LEAH'S CARDIO CLASS TODAY
HANNA	AB	TAKING SAM'S AB CLASS TOMORROW
SAN	CARDIO	TAKING LEAH'S CARDIO CLASS TODAY
DAVID	CARDIO	TAKING LEAH'S CARDIO CLASS TODAY
SELINA	AB	TAKING LIZ'S AB CLASS TOMORROW

BACK

exercise with your friends!

see what your friends are taking

MIRA TAKING LEAH'S CARDIO CLASS TODAY

HANNA TAKING SAM'S AB CLASS TOMORROW

SAN TAKING LEAH'S CARDIO CLASS TODAY

DAVID TAKING LEAH'S CARDIO CLASS TODAY

SELINA TAKING LIZ'S AB CLASS TOMORROW

Browse & Select Fitness Classes



CHOOSE DURATION, FOCUS, AND INSTRUCTOR

The image shows a three-step process for selecting a fitness class, each step represented by a vertical card:

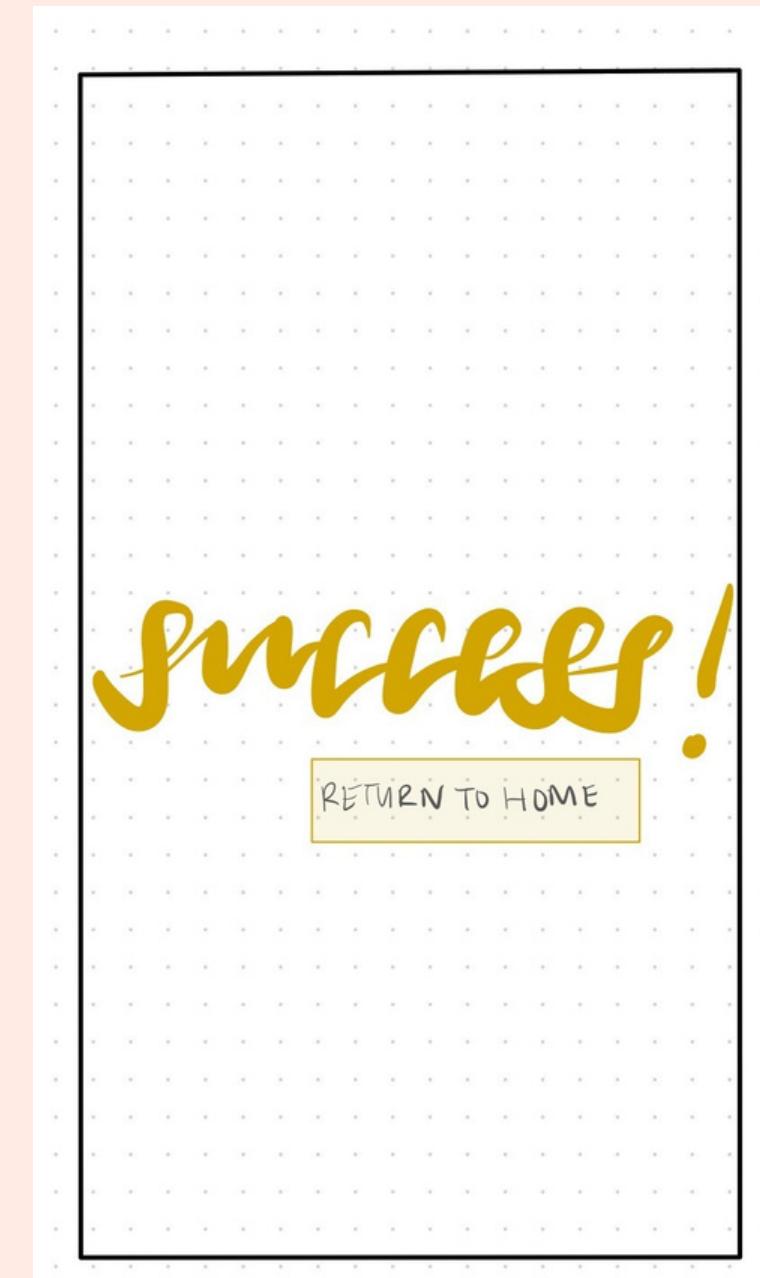
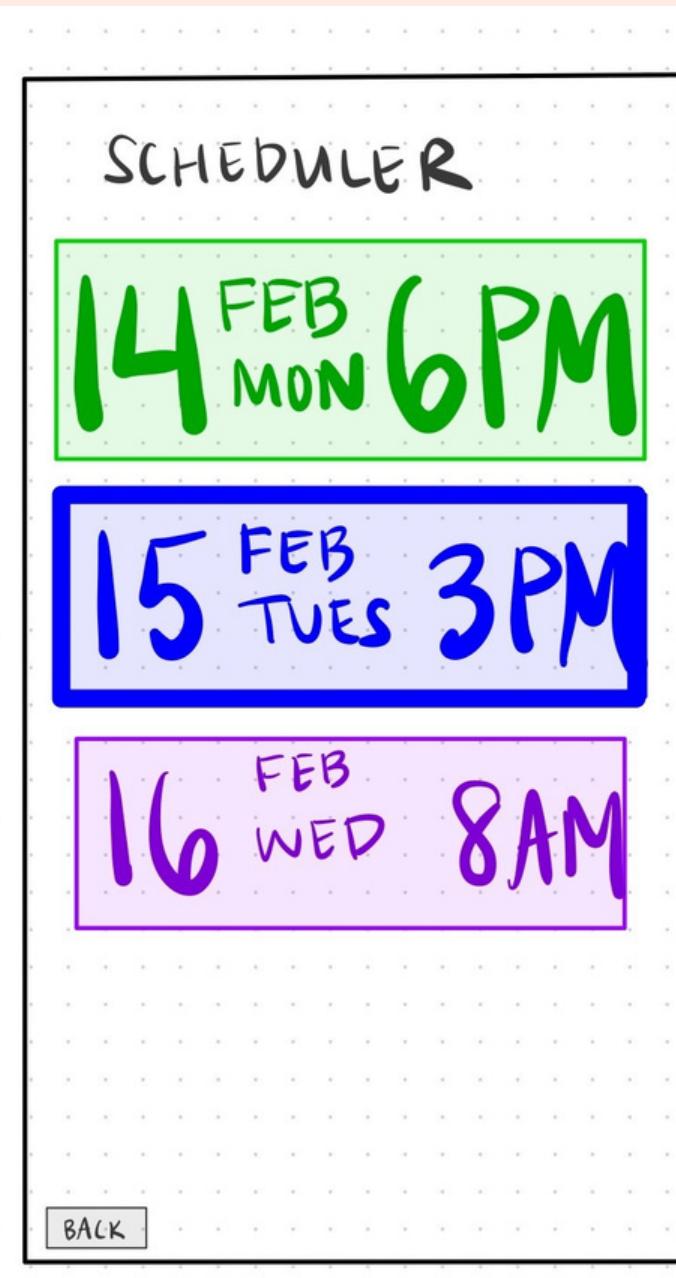
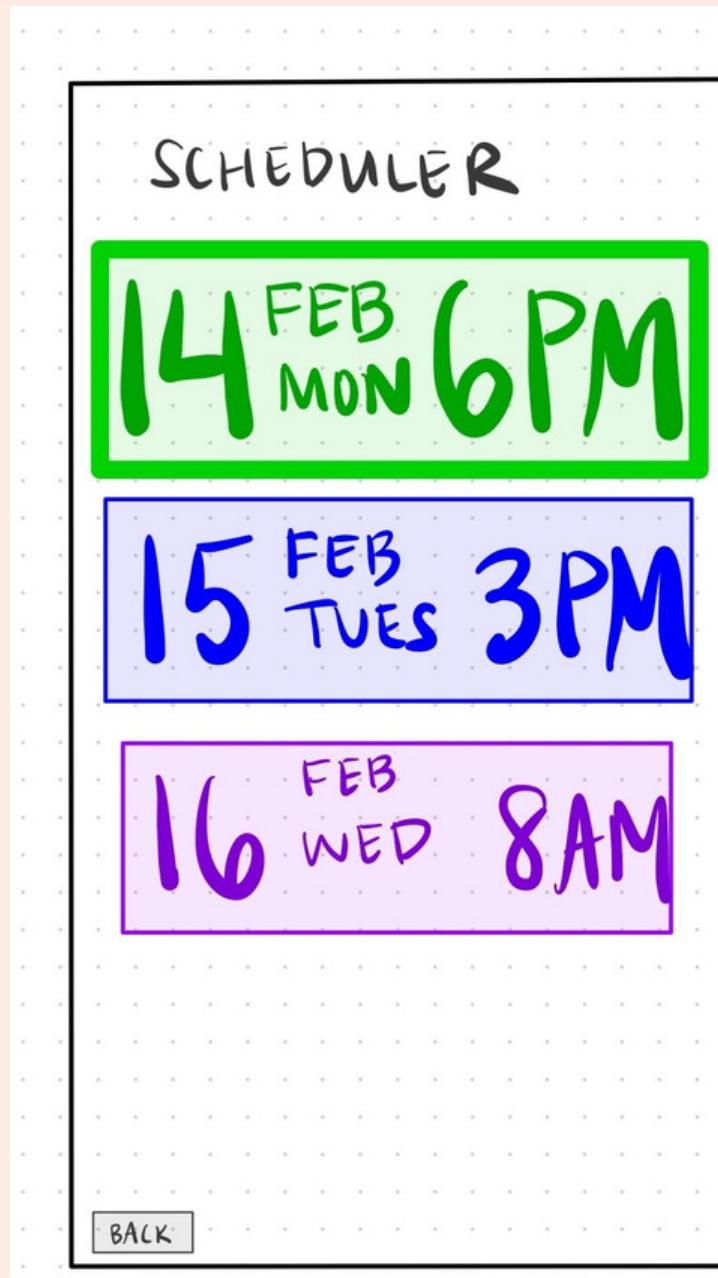
- Step 1: CHOOSE DURATION**
 - Options: 10 MIN (light blue), 15 MIN (blue), 30 MIN (white)
- Step 2: CHOOSE FOCUS**
 - Options: UPPER ABS (pink), LOWER ABS (pink), TOTAL CORE (pink)
- Step 3: CHOOSE INSTRUCTOR**
 - Options: MADDIE (pink), SAM (pink), LIZ (white)

Each card has a "BACK" button at the bottom left and a "NEXT" button at the bottom right. In the third card, the "LIZ" option is highlighted with a red border, and the "SCHEDULE" button is located at the bottom right.

Browse & Select Fitness Classes



SCHEDULE CLASSES



VR Prototype



TASK 2: BUILD MOTIVATION AND COMMUNITY

Build Motivation and Community

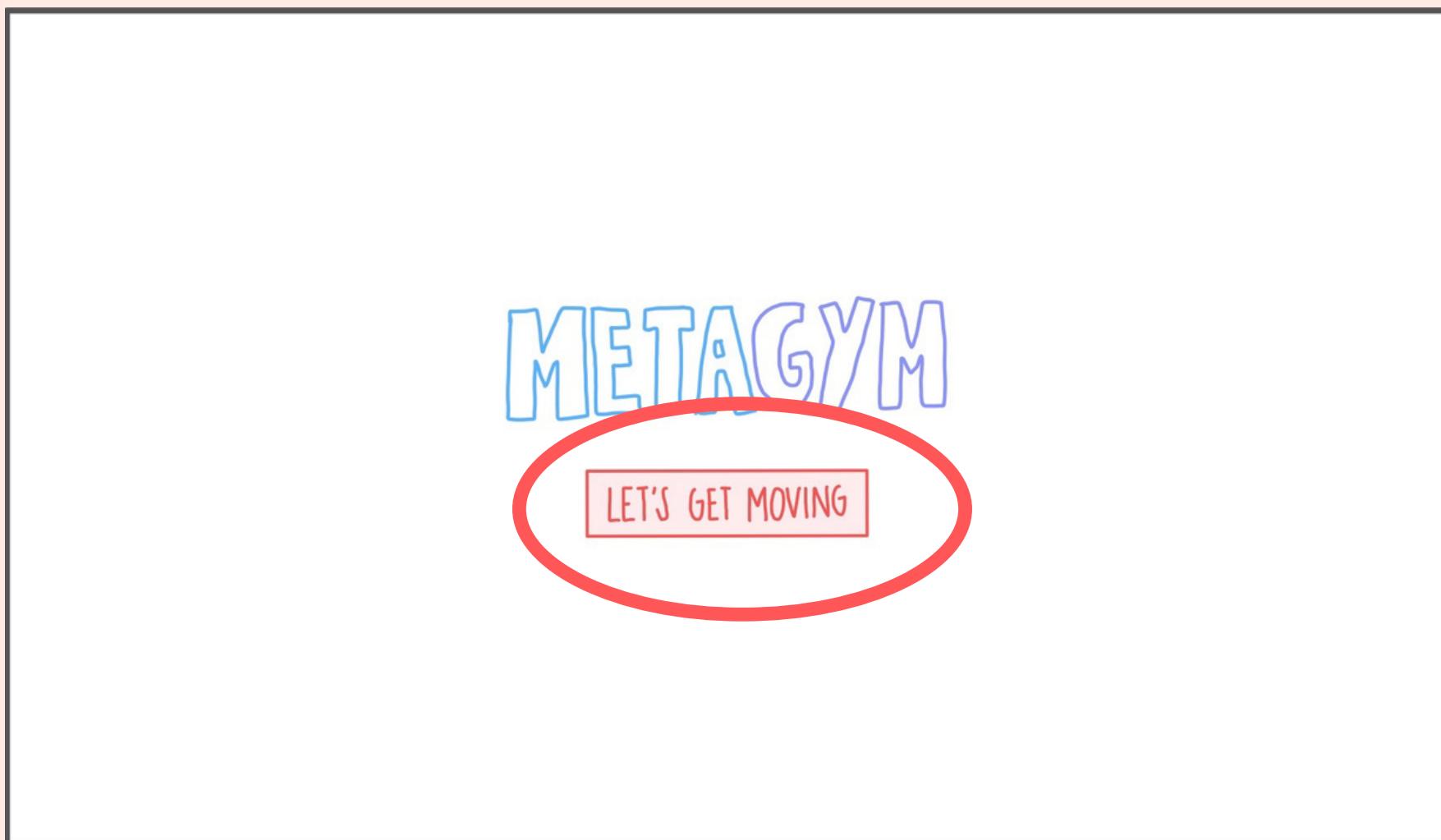
The storyboard illustrates a live basketball training session on MG Premium, showing four stages of interaction:

- Panel 1:** The host, a man with a beard in a grey tank top, holds a basketball and says "LET'S LEARN TO SHOOT!". A speech bubble above him reads "ALRIGHT METAGYM... LET'S LEARN TO SHOOT!". The chat sidebar shows messages like "The legend himself!", "WOW!!", "Hi fellow MGers", "Sick class!!!", and two fire emojis. A "SAY HI!" button is at the bottom.
- Panel 2:** The host continues his lesson. A red arrow points from the "SAY HI!" button in Panel 1 to the microphone icon in the "New Chat..." field here, indicating where to interact.
- Panel 3:** The host says "LOOKING GOOD CLASS!". A speech bubble above him reads "ALRIGHT METAGYM... LOOKING GOOD CLASS!". A blue box below him says "ASK FOR PERSONAL FEEDBACK". The chat sidebar shows messages like "WOW!!", "Hi fellow MGers", "Sick class!!!", and two fire emojis. A "New Chat..." button is at the bottom.
- Panel 4:** The host is shown recording a video, indicated by a microphone icon and the word "recording...". A red arrow points from the "ASK FOR PERSONAL FEEDBACK" button in Panel 3 to the "SEND" button here, indicating where to submit feedback. The chat sidebar shows messages like "The legend himself!", "WOW!!", "Hi fellow MGers", "Sick class!!!", and two fire emojis. A "New Chat..." button is at the bottom.

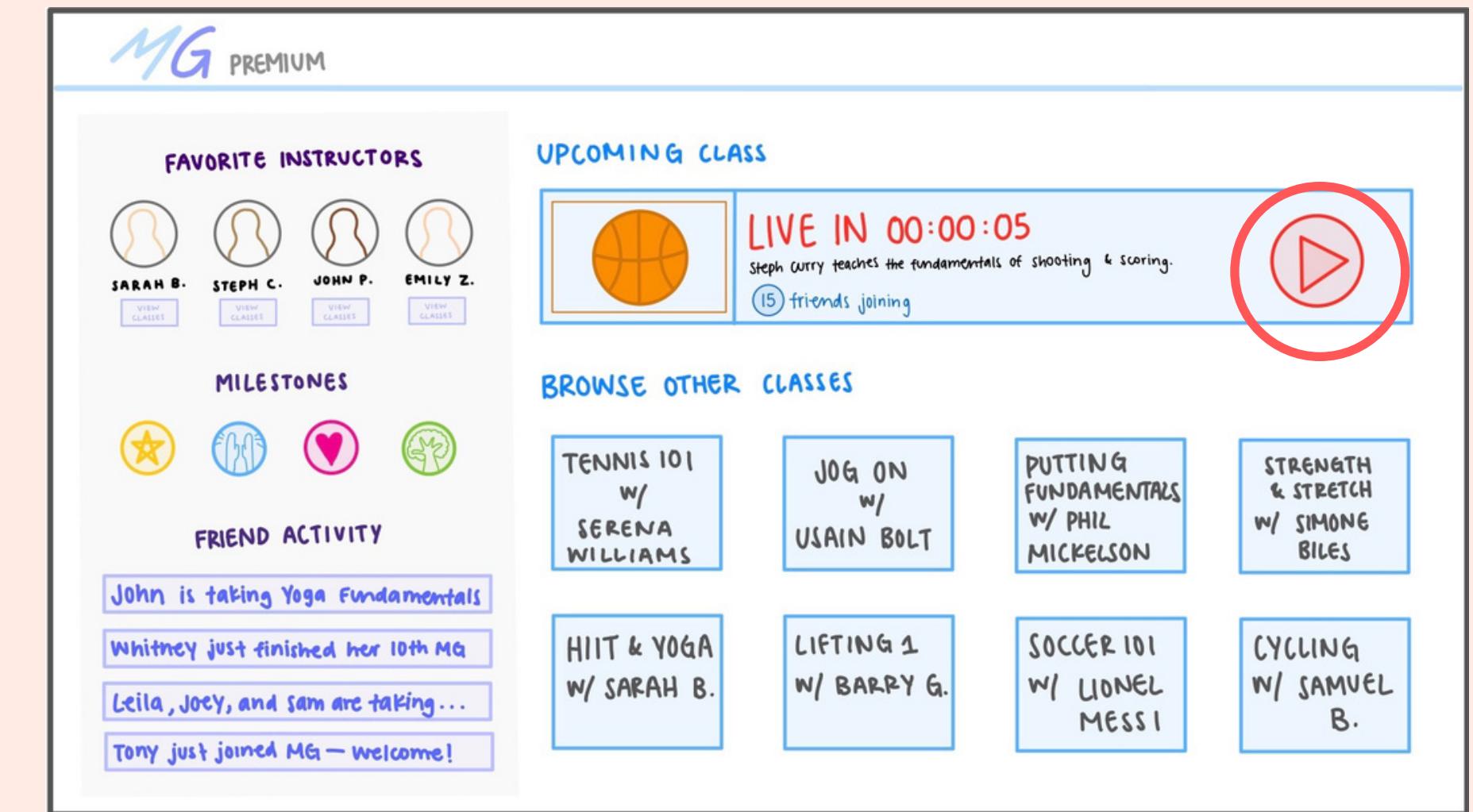
Build Motivation and Community



ENTER VR PLATFORM



The Metagym landing page features a large "METAGYM" logo at the top. Below it is a prominent red button with the text "LET'S GET MOVING". A red oval highlights this button.



The Metagym dashboard is titled "MG PREMIUM". It includes sections for "FAVORITE INSTRUCTORS" (Sarah B., Steph C., John P., Emily Z.) and "MILESTONES" (represented by icons of a star, hands, heart, and tree). The "FRIEND ACTIVITY" section shows updates from users like John, Whitney, Leila, Joey, and Sam. The "UPCOMING CLASS" section displays a basketball icon and the text "LIVE IN 00:00:05" with a note that Steph Curry will teach fundamentals of shooting & scoring, and 15 friends are joining. A red circle highlights the play button icon. The "BROWSE OTHER CLASSES" section lists various 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", and "CYCLING w/ SAMUEL B.".

Build Motivation and Community



JOIN LIVE CLASS

MG PREMIUM

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

John, Sarah, Juliette, and 13 other friends are live [SAY HI! →](#)

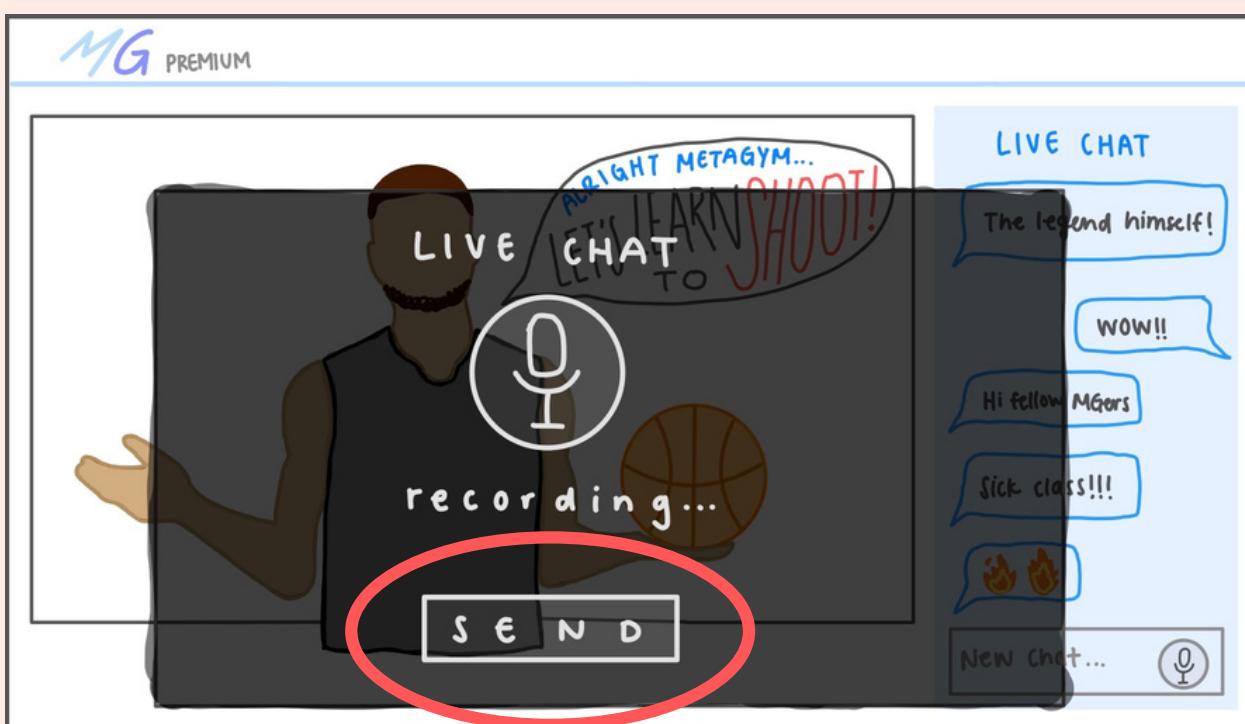
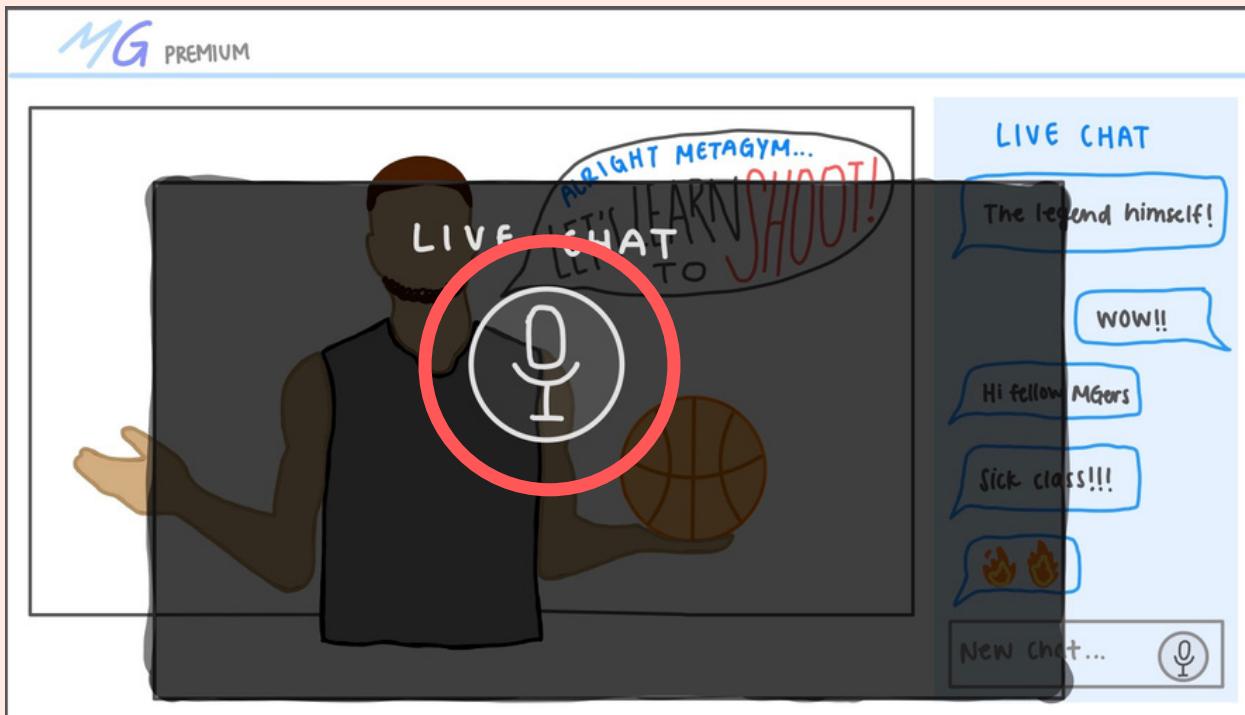
LIVE CHAT

- The legend himself!
- WOW!!
- Hi fellow MGers
- Sick class!!!
- 🔥🔥

New Chat...



SEND CHAT VIA VOICE RECOGNITION



VR Prototype



TASK 3: RECEIVE INSTRUCTION FROM INSTRUCTOR

Receive Instruction from Instructor



METAGYM

LET'S GET MOVING

MG PREMIUM

FAVORITE INSTRUCTORS: SARAH B., STEPH C., JOHN P., EMILY Z.

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

MILESTONES:

FRIEND ACTIVITY: John is taking Yoga Fundamentals, Whitney just finished her 10th MG, Lella, Joey, and Sam are taking... Tony just joined MG - Welcome!

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.

MG PREMIUM

LIVE CHAT: WOW!! Hi fellow MGers, Sick class!!!

ASK FOR PERSONAL FEEDBACK: LOOKING GOOD CLASS!

ASK FOR PERSONAL FEEDBACK: ASK FOR PERSONAL FEEDBACK

New Chat...

MG PREMIUM

LIVE CHAT: WOW!! Hi fellow MGers, Sick class!!!

FROM KELLY: Got it - thanks for the feedback Steph!

KELLY: Try widening your stance a bit more... you'll gain more stability that way!

MG PREMIUM

LIVE CHAT: WOW!! Hi fellow MGers, Sick class!!!

Reply to Steph recording...

KELLY: Try widening your stance a bit more... you'll gain more stability that way!

MG PREMIUM

LIVE CHAT: WOW!! Hi fellow MGers, Sick class!!!

Reply to Steph

KELLY: Try widening your stance a bit more... you'll gain more stability that way!

Receive Instruction from Instructor



REQUEST PERSONAL FEEDBACK

MG PREMIUM

LOOKING GOOD CLASS!

ASK FOR PERSONAL FEEDBACK

LIVE CHAT

- WOW!!
- Hi fellow MGers
- Sick class!!!
- 🔥🔥

New Chat...

MG PREMIUM

KELLY: Try widening your stance a bit more... you'll gain more stability that way!

Reply to Chat

LIVE CHAT

- WOW!!
- Hi fellow MGers
- Sick class!!!
- 🔥🔥

New Chat...

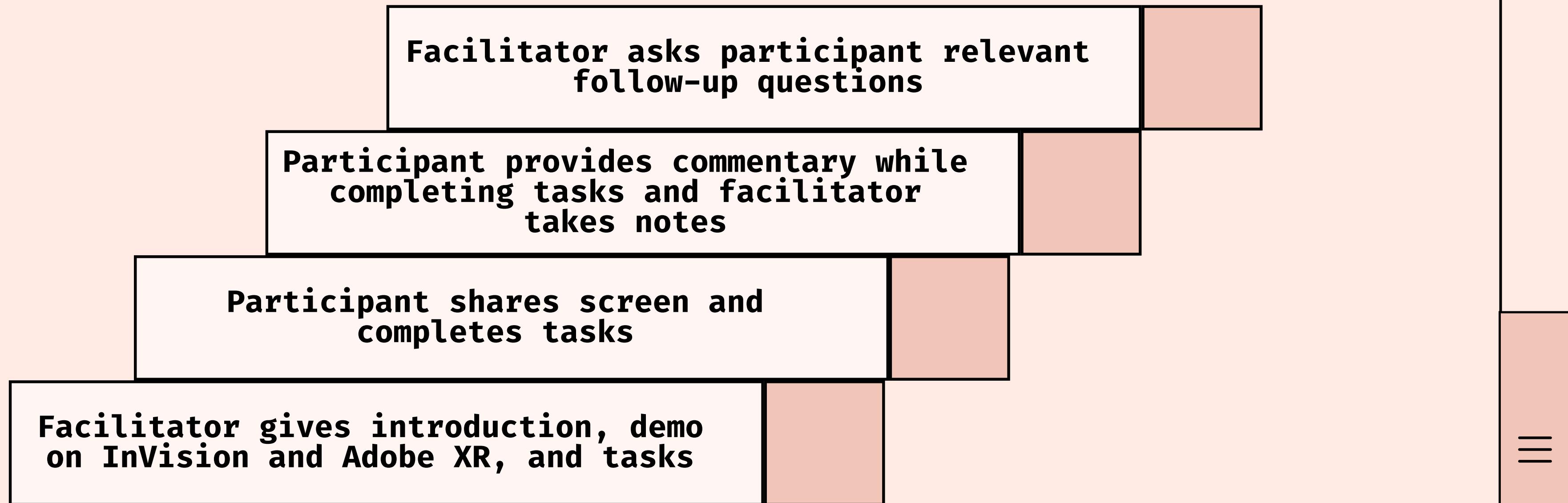
Receive Instruction from Instructor



REPLY TO INSTRUCTOR VIA VOICE



Interview Process



PARTICIPANT OVERVIEW



PARTICIPANT 1

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

PARTICIPANT 2

- 42 year old mother of 2
- homegrown Palo Alto

PARTICIPANT 3

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

PARTICIPANT 4

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

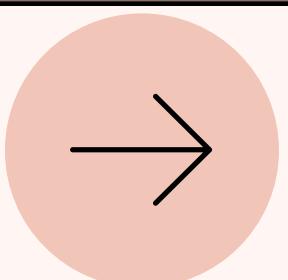
- recruited from a mutual friend

- arbitrarily recruited from SoulCycle class

- recruited from a mutual friend

- 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

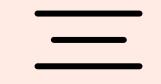
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Thank you!

- MetaGym

