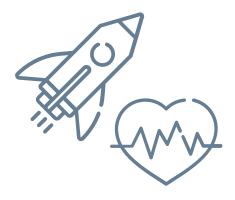


DECO2200 - ASSESSMENT 3

Final Concept Presentation

Cyrilla Lowas 490517105 Luisa Hadinata 490457867 Valencia Yun 490522970

Design Concept



Health in Space

Maintaining muscle and bone health during mid-flight due to microgravity

Design Problem



Fitness Technology

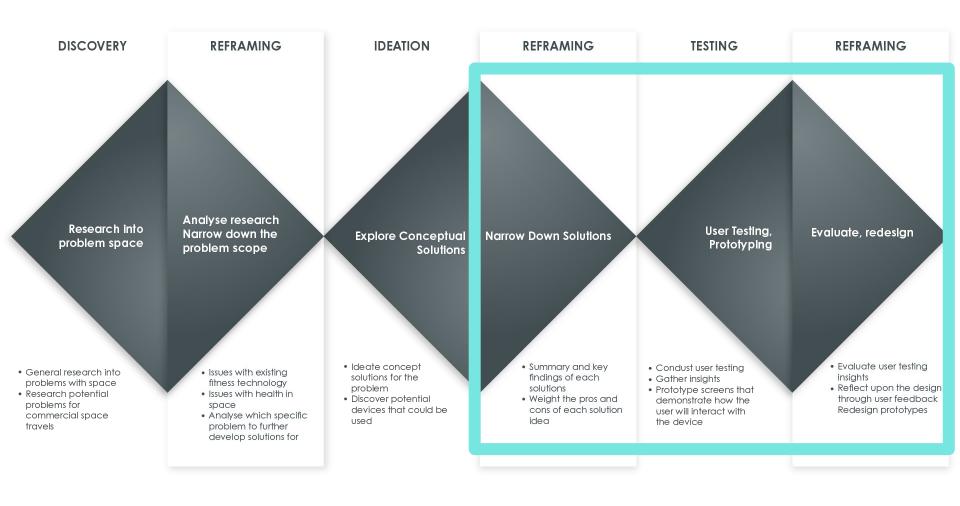
Workout results, efficiency of use, user satisfaction



Health in Space

2+ hours of exercise, efficiency of use, user satisfaction

Design Process



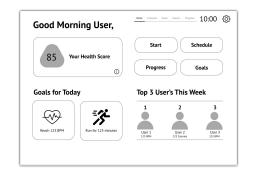
Decision Matrix

3 Concepts



VR exercise device

Concept 1



Concept 2

SMART goal system



Concept 3

Virtual Pet Raising Game

Highest potential

Strength



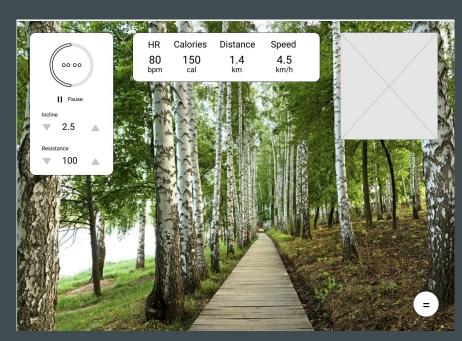
Engaging Experience

great potential in creating a more engaging experience for workouts



Motivation

immersive VR experience gives excitement to them and motivate them to do exercise in space.



First design of virtual reality exercise device



Weakness



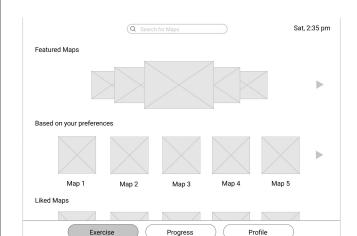


Interaction

lacks a variety of gesture interactions

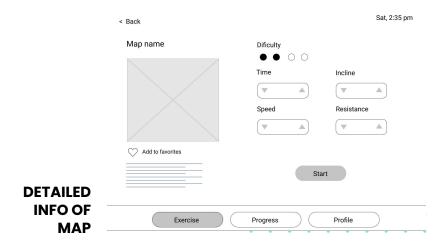
Aesthetics

lacks uniqueness



DIFFERENT MAPS

It just looks bland...





Redesign

User Interface



("Female spy | Detective aesthetic, Spy girl, Heist society", 2020)



("Newretro.Net", 2020)



("Resonance: Samsung's Design Exhibit at Fuorisalone 2019", 2020)

Concept

A spy in a secret agency

Theme & Style

Cyberpunk world with neon colours

Interface

Responsiveness to interaction; sense of accomplishment

Valorant interface animation when user hit the target Attractive guy rewarding the user

("Pin on 二次元", 2020)



("I will coach you to attain high scores in beat saber", 2020)

Beat Saber user interface

Interface

Rewarding Results
Sound & Graphics
Interface Experience

Features



("Google's New Phone: A Lesson In The Dangers Of Gesture-Heavy Uls", 2020) **Gesture**

Gesture Navigation



("The Busy Man's Workout", 2020

Types of Workouts

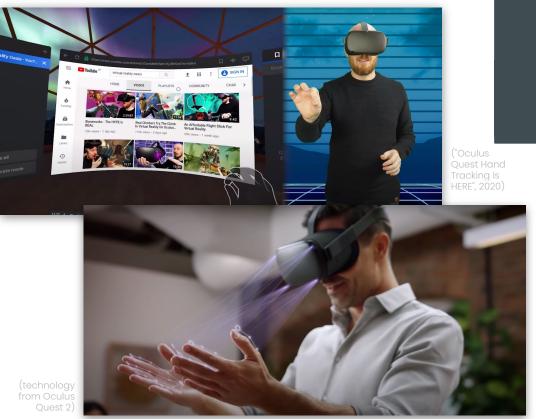


Rewarding Experience



Immersive Experience

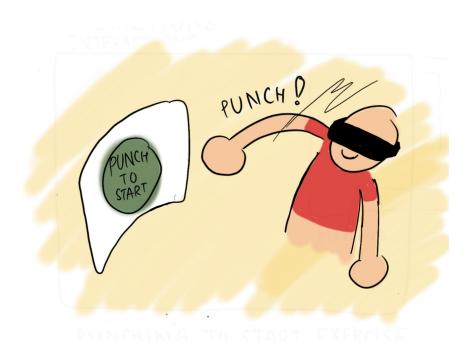
Pinching to click and navigate



Hand gesture recognition

Gesture Navigation

From mouse click to pinching



Gesture Navigation

Punch to Start

Creates excitement Gets user pumped up Prepares them to get active



Workouts









EXOSKELETON

simulate gravitational pressure

VARIETY OF WORKOUTS

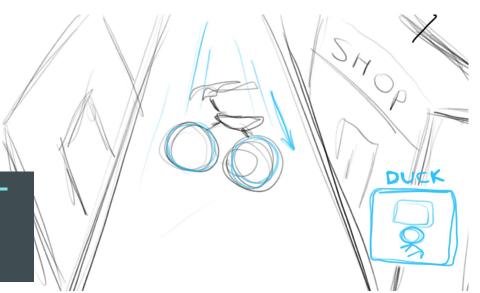
Ducking Jumping Throwing Punching



TV Show "Hole in the Wall"

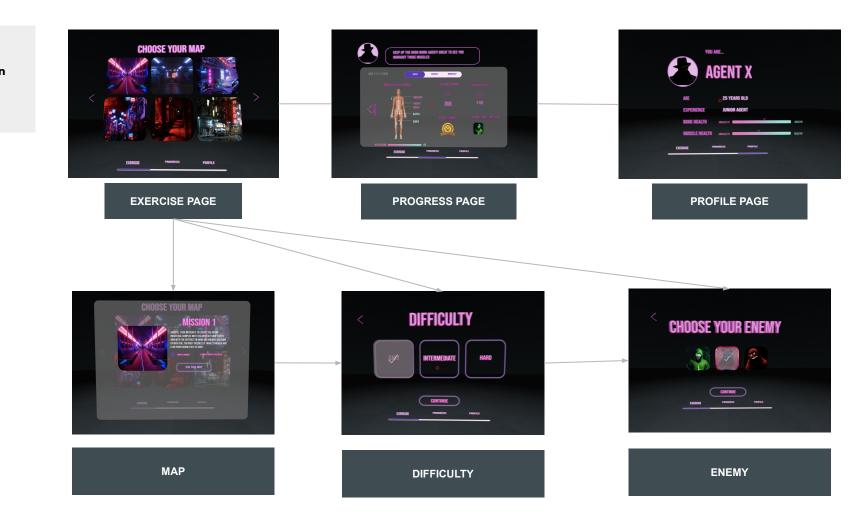
("Hole in the Wall (TV Series 2008–2012) - IMDb", 2020)

User ducking the bicycle as shown in the **diagram** on the bottom right corner



Wireflow

Exercise, Progress, Profile are on the same hierarchy







PUNCH TO START SCREEN

WHAT THE SCREEN LOOKS LIKE AFTER PUNCHED





MISSION

REWARD SYSTEM

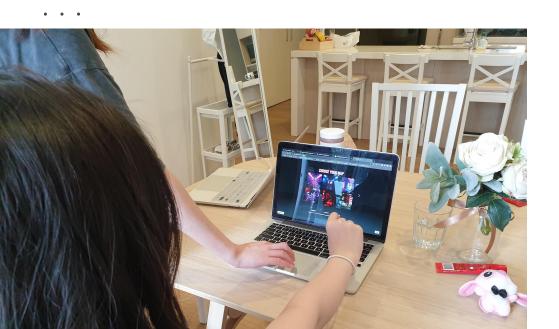
User Test

User Testing Methods



Evaluation

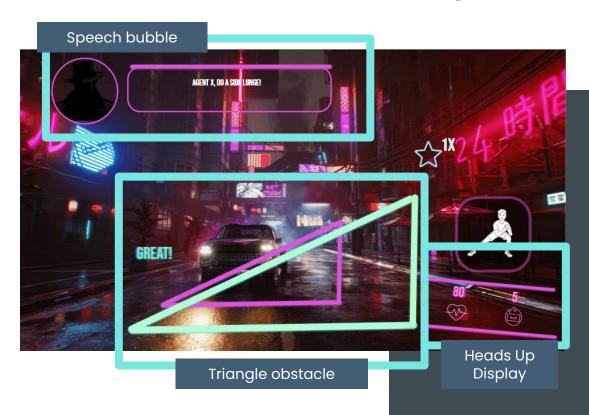
User Test Set-Up



Users were asked to use their hands to navigate through the VR, and we controlled the trackpad to simulate a gesture navigation. We would also read the secret agent's speech in the textbox and played the sound effects as the user went through the different screens.

Insights & Reflections

Visibility Issue



"At first, I couldn't understand what the triangle thing means and what the bars [for dodging] indicate. Maybe you need to put in more context."

- Jess

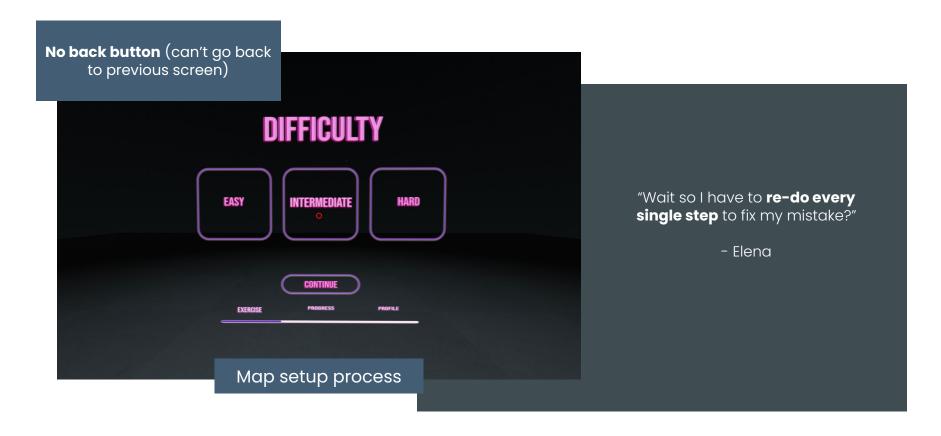
"The agent's **speech bubble** is **not visually impactful enough...**"

- Victoria

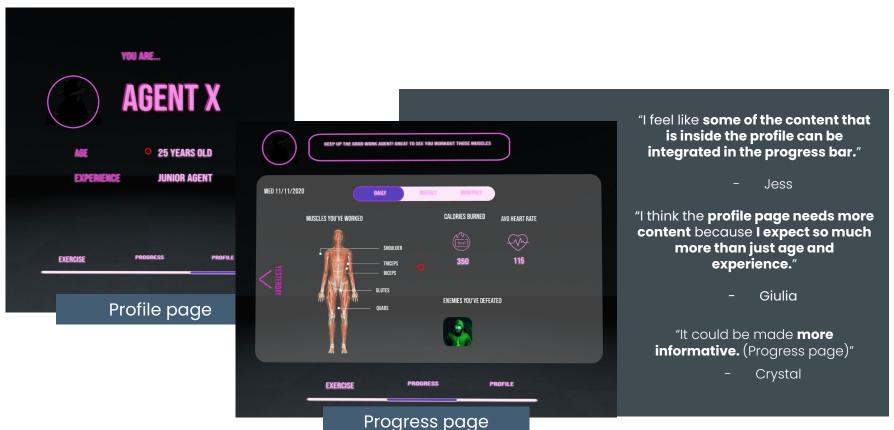
"I'm not sure what this is... Is it the score or what?" (referring to the heads up display)

- Elena

User Control and Freedom



Lack of Meaningful Content

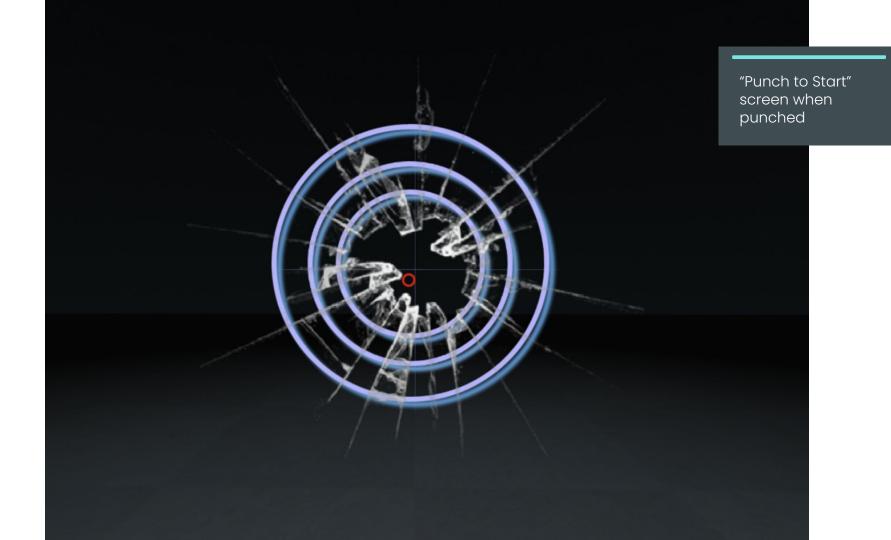




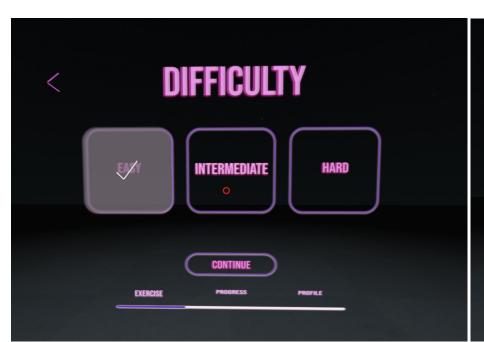
High-Fidelity Prototype

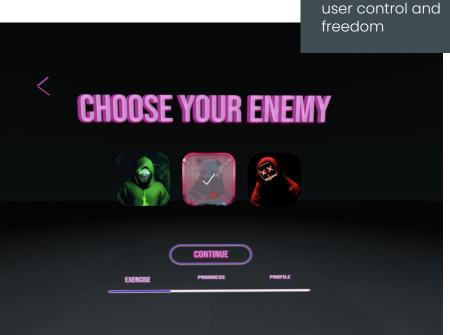
"Punch to Start" screen





Back Button Accessibility









MISSION 1 SUCCESS



DEAR AGENT, I AM PROUD OF THE HARD WORK AND EFFORT THAT YOU PUT INTO THIS MISSION. IT IS MY HONOUR TO TELL YOU THAT WE WOULD LIKE TO WORK WITH YOU ON OUR NEXT MISSION AS WELL.

NEW BADGE EARNED



TRUSTWORTHY BADGE

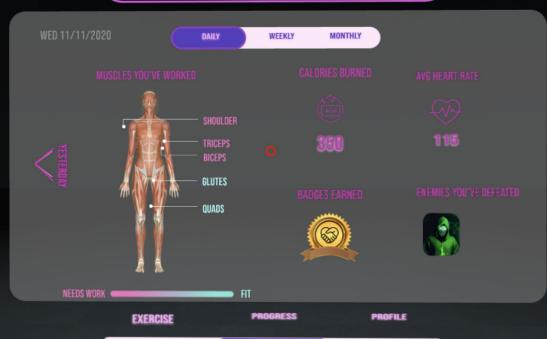
GO TO PROGRESS

"Mission 1 Success" page to make the user feel more rewarding

A badge that could be gained by the user to feel accomplished and proficient in their "mission".



KEEP UP THE GOOD WORK AGENT! GREAT TO SEE YOU WORKOUT THOSE MUSCLES



Health E

Healthy text, Unh pink text

> **Badge** Remind

Remind their suc

AGENT X

Muscle and bone health bars to remind the user's current health status and help them get to where they want to be.



Thank you 😊

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