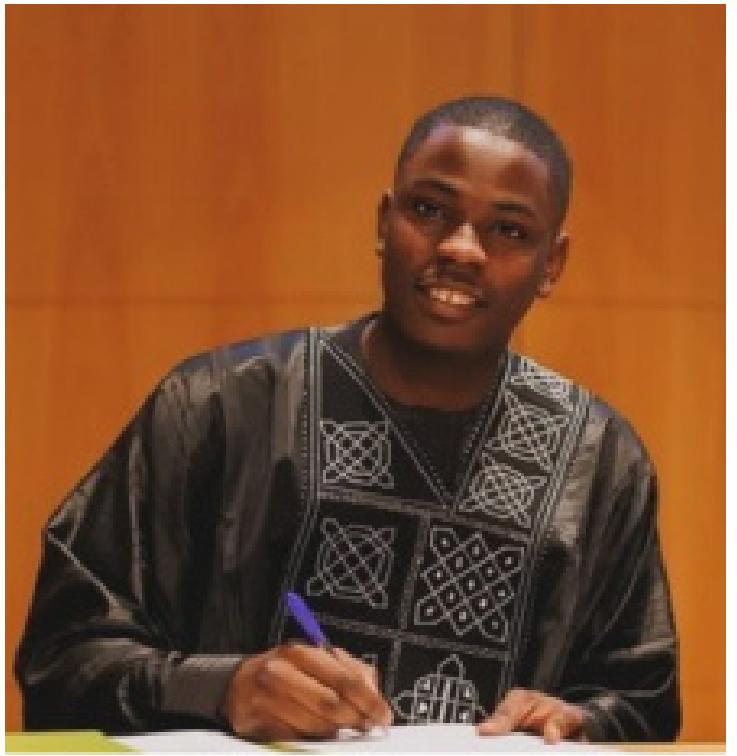


PORTFOLIO 20 25

Sanyaolu Kolawole

Industrial Product Designer | Project Manager | Front-end Developer



ABOUT

I'm a Project Manager, Front-End Developer, and Industrial Design Engineer with experience in the automotive and medical industries. I speak English and am learning Dutch (B1).

EXPERIENCE

PROJECT MANAGER

Rediones

Jan 2023 – Present

FULLSTACK DEVELOPER

Search Agent

Oct 2024 – Present

INDUSTRIAL DESIGNER

Music Dementia Technology

Nov 2023 – Apr 2024

BRAND DESIGNER

Formula Cruiser

Sep 2022 – Feb 2023

INDUSTRIAL DESIGNER

Formula Cruiser

Feb 2022 – May 2022

INDUSTRIAL DESIGNER

Waag

Sep 2021 – Jan 2022

PROJECT MANAGER

Wildwest

Mar 2021 – Jul 2022

INDUSTRIAL DESIGNER

Ahrend

Sep 2020 – Feb 2021

SKILLS

STACK

HTML

CSS

TAILWIND

REACT

FIGMA

GIT

PYTHON

GITHUB

JAVASCRIPT

TYPESCRIPT

MANAGEMENT

BUDGETING & COST CONTROL

RISK MANAGEMENT

SCRUM

AGILE MANAGEMENT

ASANA

STAKEHOLDER ENGAGEMENT

TASK PRIORITIZATION

JIRA

PROJECTS

01

Rediones

REDIONES

03



Music Dementia Technology
MUSIC DEMENTIA TECHNOLOGY

02

Search Agent – Find
Jobs in Your Preferred
Language!

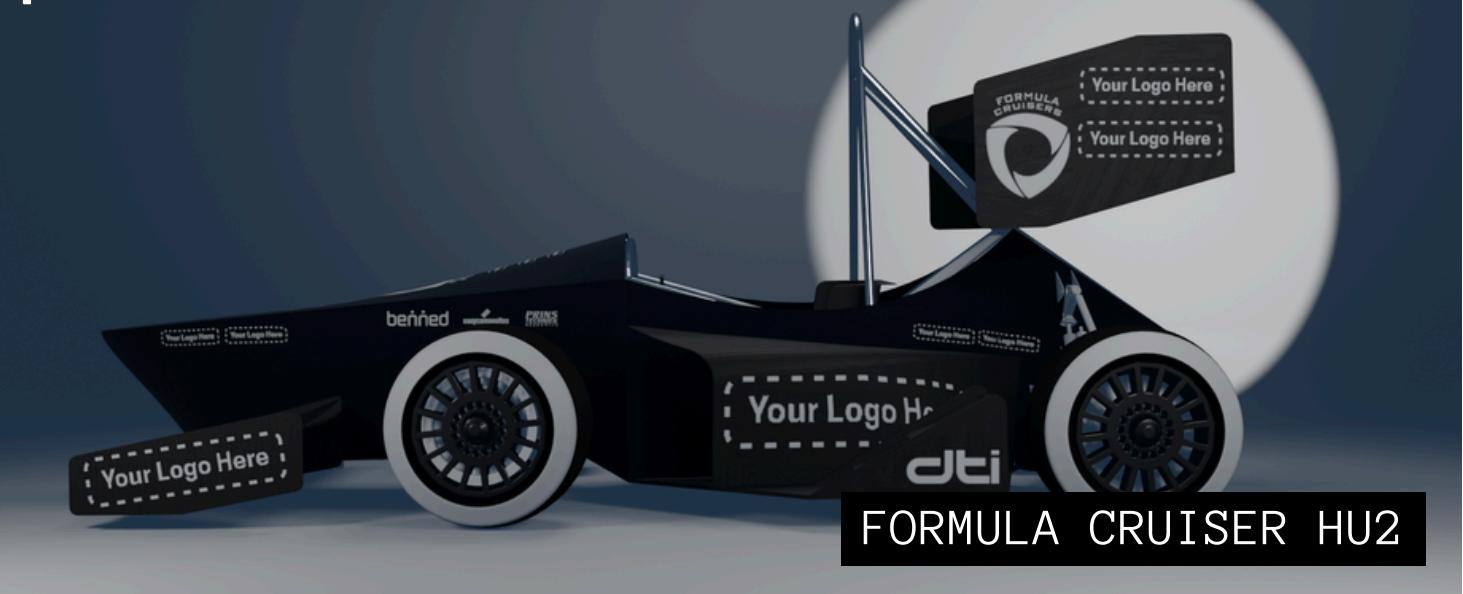
Find jobs abroad in your preferred language, no matter where you're from or going.

Start Search →



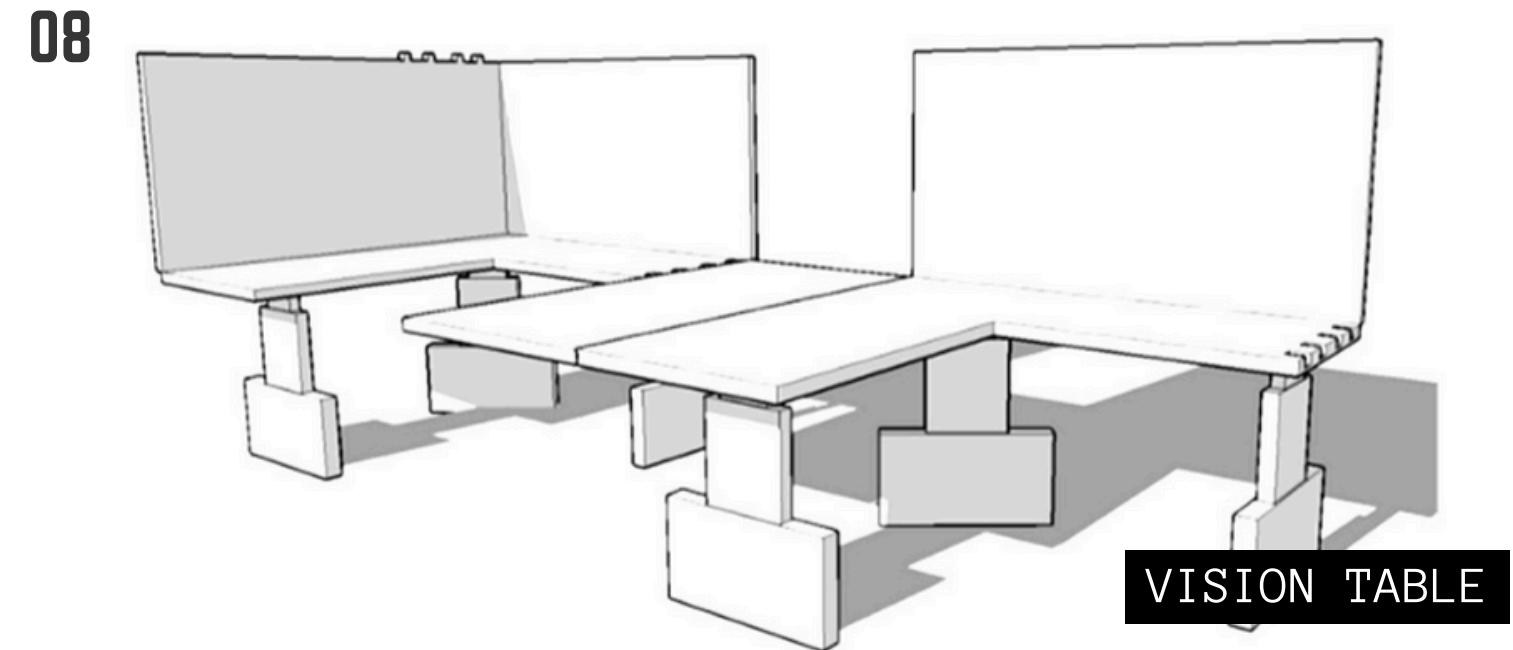
FORMULA CRUISER HU2

04



FORMULA CRUISER HU2

PROJECTS





Rediones

REDIONES

ROLE: FOUNDER & PROJECT MANAGER

DURATION: 12 MONTHS ++

INDUSTRY: SOCIAL MEDIA

TOOLS: EXCEL NOTION FIGMA MS WORD AGILE METHODOLOGIES

01

THE USER

High school students transitioning to university, university students seeking collaboration and academic support, and internship seekers building connections and gaining professional experience.



Name: Stephen Adekunle

Age: 21

Hobbies: Reading, listening to music, playing chess

PROBLEM

Traditional social media platforms do not adequately address students' unique academic, emotional, and social needs. A specialized platform like Rediones that supports students' transition, collaboration, and growth is needed.

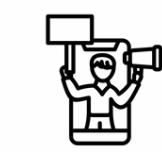
PAIN POINTS AND CHALLENGES



Information Gaps



Collaboration Barriers



Networking Challenges

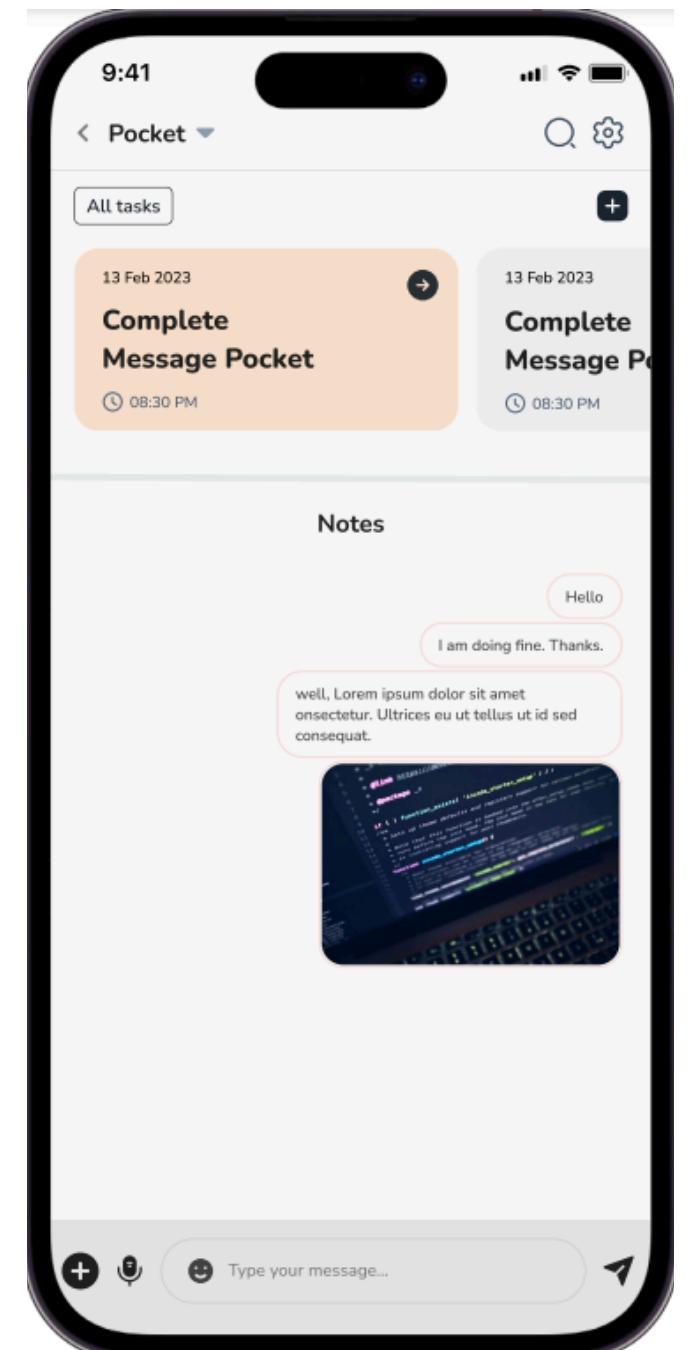
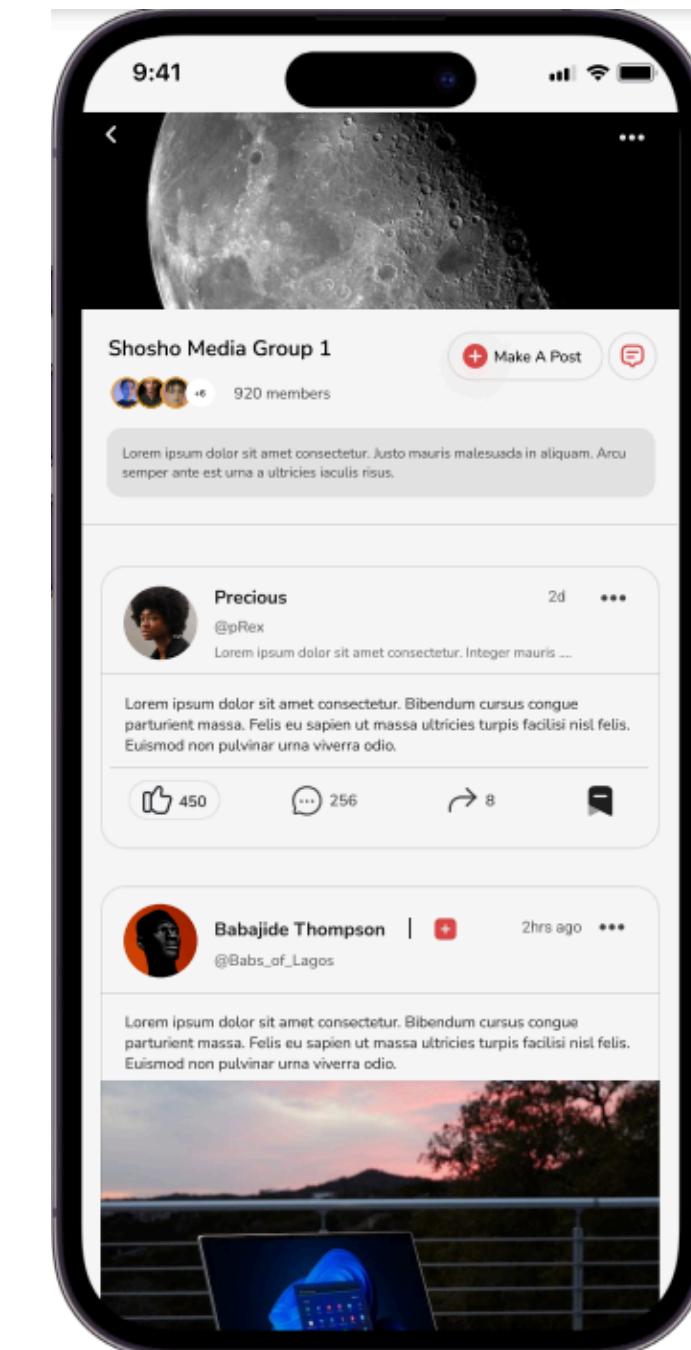
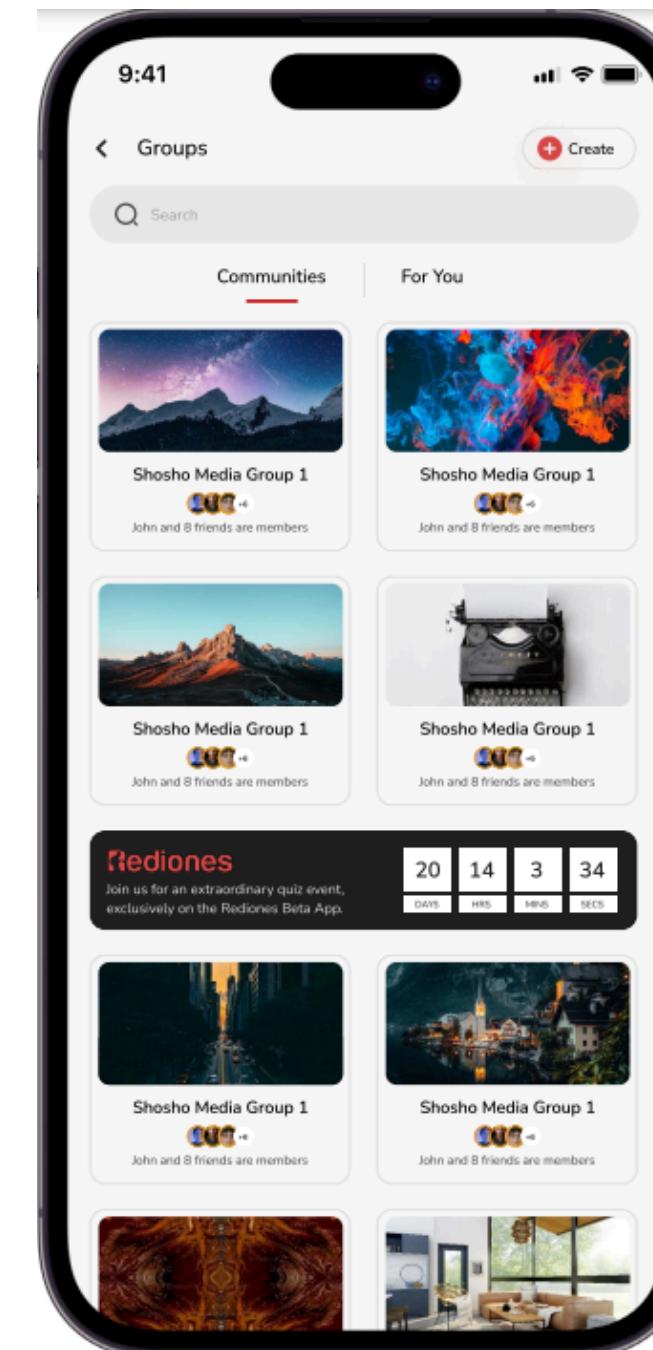
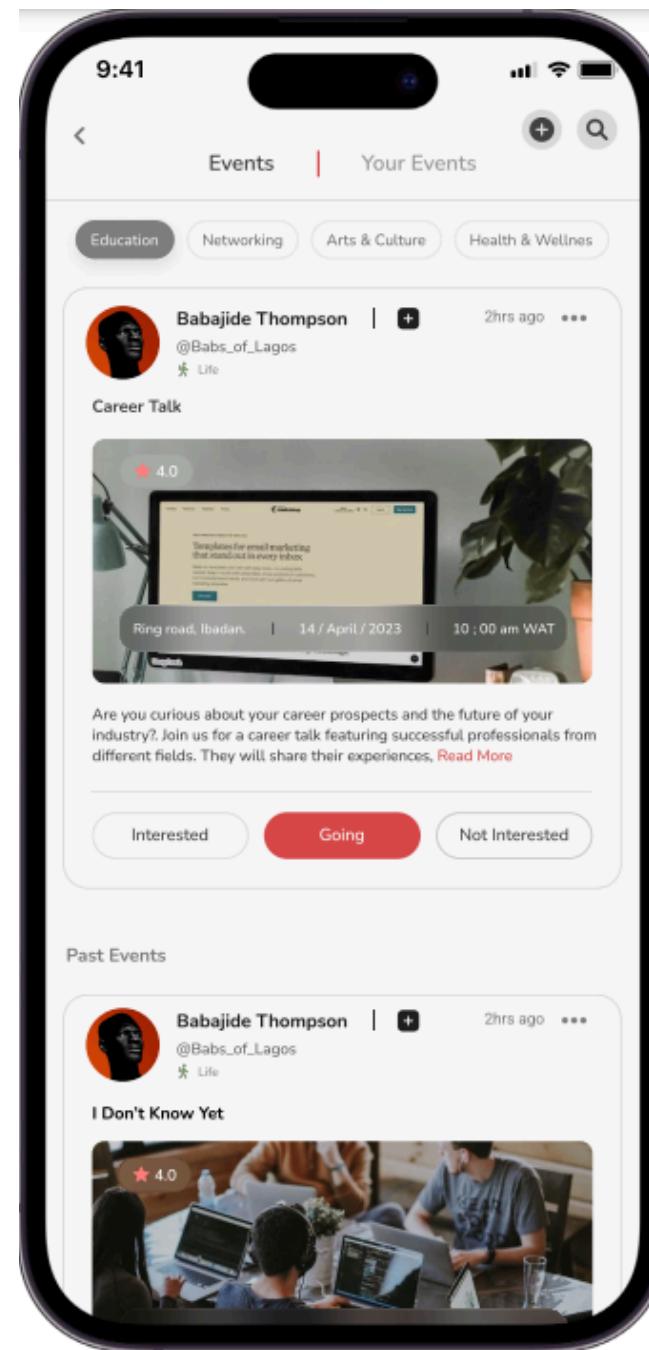
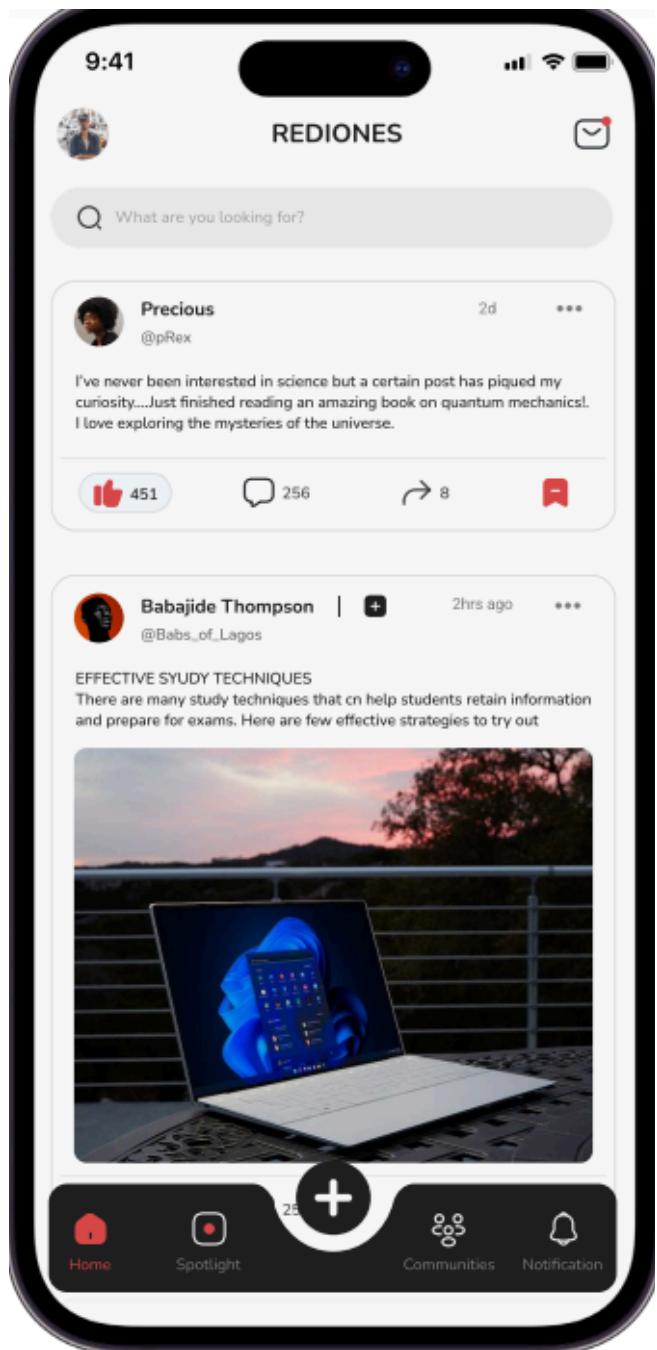


Engagement and Motivation

DESIGN BRIEF

Build a student-focused social media platform that transforms how students collaborate, network, and grow by addressing their academic and personal challenges.

SCREENS



WHY THIS FEATURES?



peer-to-peer learning and support



Centralized space for academic support



Collaboration on projects



Networking opportunities



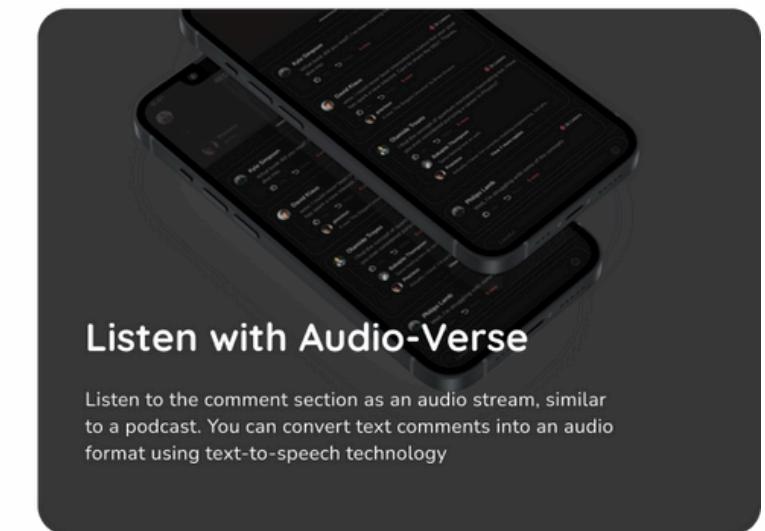
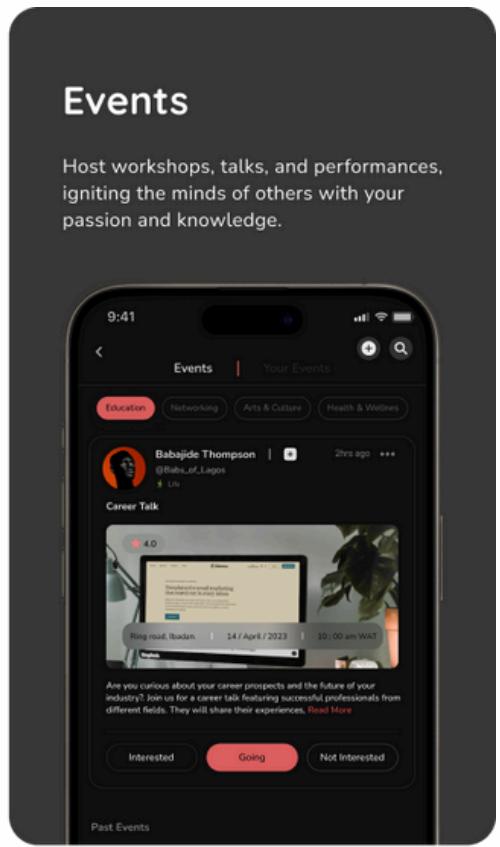
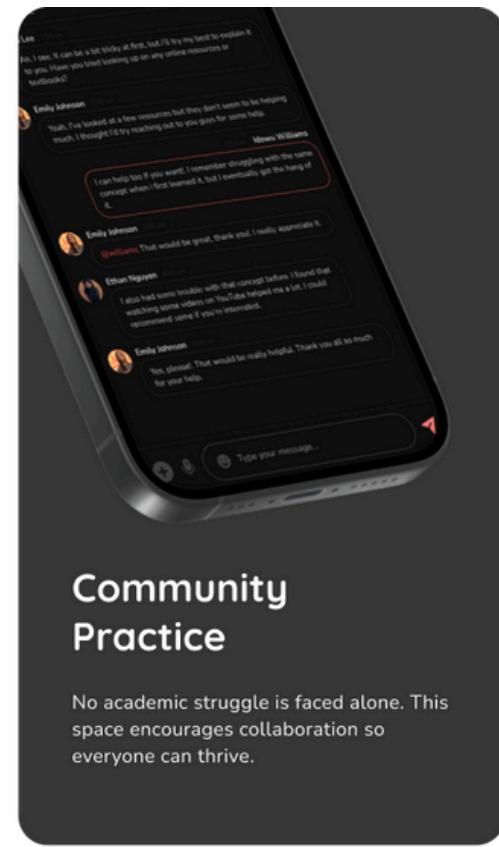
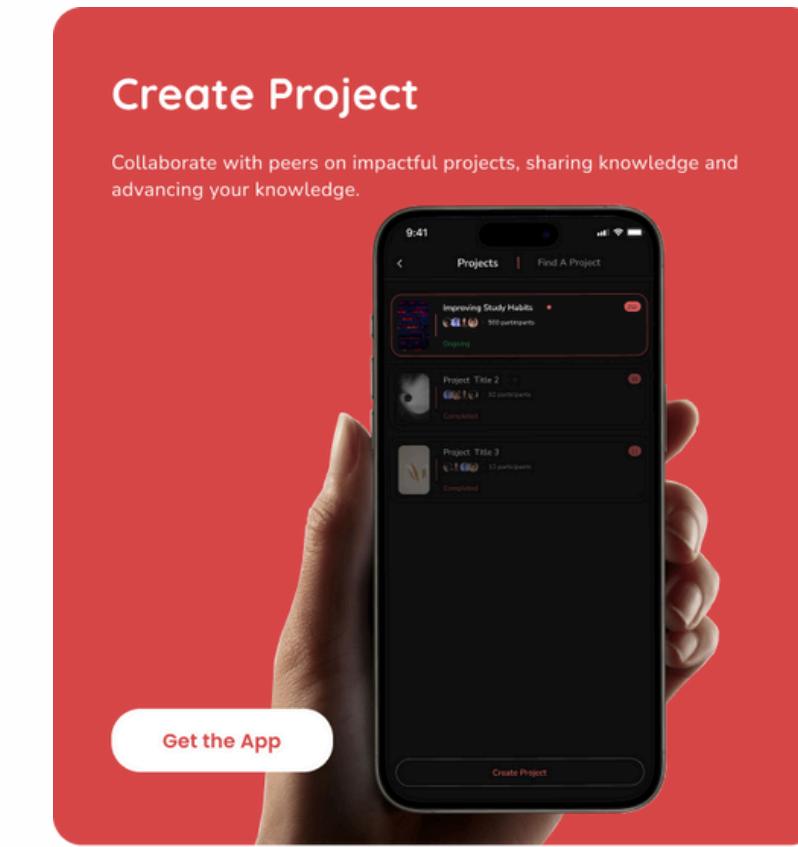
Hosting activities



Community-building



Sharing personal stories, tips and achievements



NOTE: The features were selected based on primary and secondary research



Search Agent

Discover Jobs Effortlessly

SEARCH AGENT

ROLE: FOUNDER & PROJECT MANAGER

DURATION: 6 MONTHS

INDUSTRY: JOB SEARCH

TOOLS: HTML JS TAILWIND FIGMA PYTHON (BEAUTIFUL SOUP)

02

THE USER

An international job seekers, looking for jobs in the Netherlands, who require a platform to find employment opportunities tailored to their language and preferences.



Name: Fatima Lee

Age: 25

— “ —

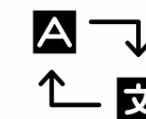
It's hard to find jobs in foreign countries where the descriptions and requirements align with my skills and language

— ” —

PROBLEM

International job seekers struggle to find relevant and accurate job opportunities in foreign countries due to language barriers and the inefficiency of generic job search platforms.

PAIN POINTS AND CHALLENGES



Language Barriers



Inefficient Search Results



Time-Consuming Searches

DESIGN BRIEF

Develop a job search platform that filters listings based on user-specified languages and preferences, providing accurate and relevant results for international job seekers.

SCREENS

The home screen features a large headline "Search Agent – Find Jobs in Your Preferred Language!" above a sub-headline "Find jobs abroad in your preferred language, no matter where you're from or going." A "Start Search" button with a magnifying glass icon is at the bottom left. A central image shows two people working on a laptop together.

Search Agent

Home How it Works About Us Contact Us

Search Agent – Find Jobs in Your Preferred Language!

Find jobs abroad in your preferred language, no matter where you're from or going.

Start Search

A four-step guide: 1. Select Your Preferred Country and Job Title, 2. Choose Your Preferred Language, 3. View Relevant Job Listings, 4. Apply for the Role. A "Start Search" button is at the bottom left.

Search Agent

Home How It Works About Us Contact Us

Simplifying Your Global Job Search in 4 easy steps

- 1 Select Your Preferred Country and Job Title
- 2 Choose Your Preferred Language
- 3 View Relevant Job Listings
- 4 Apply for the Role

Start Search

Sections include "Our Mission" (about breaking down language barriers), "Who We Are" (about the platform's purpose), and "What we do" (about web scraping technology).

Search Agent

Home How It Works About Us Contact Us

Our Mission

At Search Agent, our mission is to break down language barriers for international job seekers. We're here to help people who want to work abroad but face the challenge of searching for jobs in a language they're not yet fluent in.

Who We Are

Search Agent was created to address a specific problem faced by many expats and internationals: navigating job markets in foreign languages. Our platform enables users to filter job listings by both country and language, ensuring they only see opportunities they can comfortably apply for.

What we do

We use innovative web scraping technology to collect job listings from job seeking platforms and organizes them in a way that fits your needs.

A search interface with fields for "Developer", "Location", "Language", "Date posted", "Job Type", and "Experience". Below is a list of job posts: "Web Developer" (1 week ago), "Junior Front-End Developer" (2 days ago), and "Full Stack Developer".

Search Agent

Home How Works About Us Contact Us

Developer Location Search

Language Date posted Job Type Experience

Web Developer 1 week ago

Junior Front-End Developer 2 days ago

Full Stack Developer

A "Ready to Explore?" section with a "Start Search" button. To the right, a "Keep up to date" section with a "Subscribe" button. Below is a "Job Description" for a "Web Developer" role.

Search Agent

Home How Works About Us Contact Us

Ready to Explore?

Start Search

Keep up to date

Subscribe

Job Description:
We are looking for a skilled Web Developer to join our team. You will be responsible for developing and maintaining our website, ensuring it is fast, responsive, and user-friendly. The ideal candidate has a passion for coding, problem-solving, and creating seamless web experiences.

Responsibilities:
We are looking for a skilled Web Developer to join our team. You will be responsible for developing and maintaining our website, ensuring it is fast, responsive, and user-friendly. The ideal candidate has a passion for coding, problem-solving, and creating seamless web experiences.

A "Search by Language" section with a "Start Search" button. Below is a "For the Global Job Seeker" section with a "Start Search" button.

Search Agent

Home How Works About Us Contact Us

Search by Language

Start Search

For the Global Job Seeker

Start Search

CODE

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  <!-- nav starts -->
  <nav class="flex justify-between pt-5 mb-[44px]">...</nav>

  <!-- Header starts -->
  <header class="flex justify-between items-center">...</header>

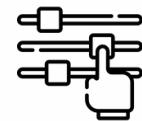
  <!-- How it works starts -->
  <section class="flex justify-between mt-32">...</section>

  <!-- About Search Agent starts-->
  <section class="mt-[100px]">...</section>

  <!-- contact starts -->
  <section class="mt-32 flex justify-between items-center">...</section>

  <!-- footer starts -->
  <footer class="mt-[260px] mb-[50px]">...</footer>
</body>
```

WHY THIS DESIGN?



Language-Based Filtering



Cached Data System



User-Centric Interface



Scalability

WHY THIS DESIGN?

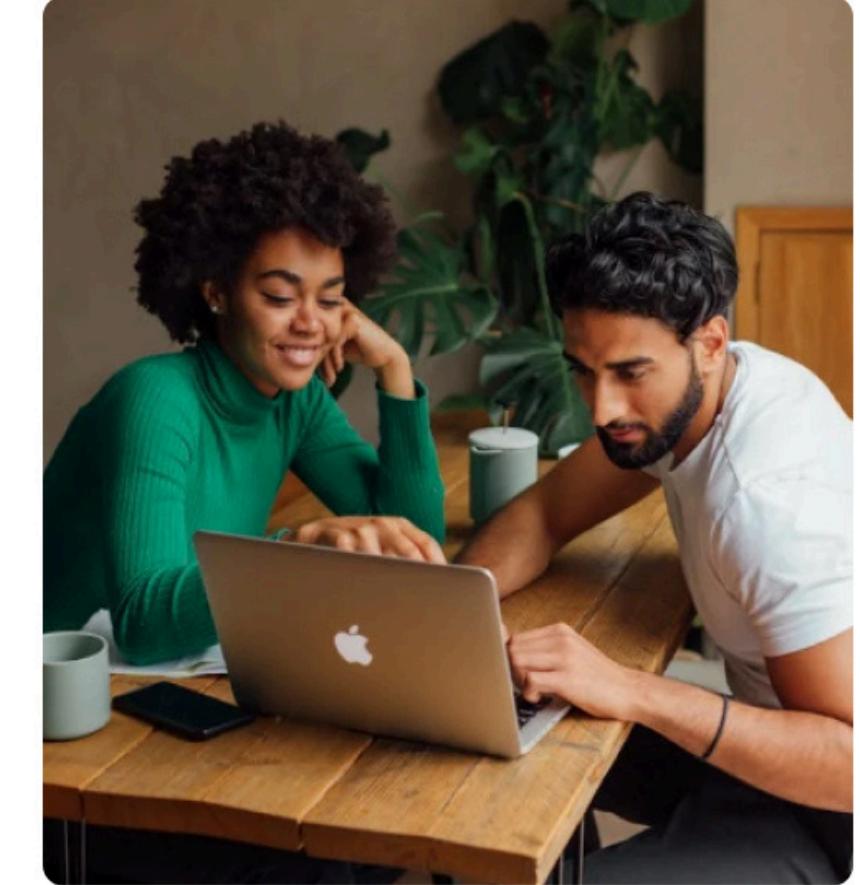
 Search Agent

Home How it Works About Us Contact Us

Search Agent – Find Jobs in Your Preferred Language!

Find jobs abroad in your preferred language, no matter where you're from or going.

Start Search 





Music Dementia Technology

MUSIC DEMENTIA TECHNOLOGY

ROLE: INDUSTRIAL DESIGN ENGINEER

CLIENT: THUAS RESEARCH GROUP

INDUSTRY: HEALTH CARE

DURATION: 6 MONTHS

TOOLS: RASPBERRY PI PYTHON

03

THE USER

The users are dementia patients, their caregivers, and music therapists. The primary focus is on individuals with dementia living in nursing homes, who interact with the MDT prototype as part of their therapeutic activities.



Name: Jolein Jansen

Age: 72

Background: A former accordion player with a family-focused life, who cherishes visits from her grandchildren and walks with her husband.

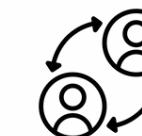
PROBLEM

Traditional therapeutic tools often fail to meet the emotional, cognitive, and social needs of dementia patients, necessitating an accessible and engaging solution like the MDT prototype.

PAIN POINTS AND CHALLENGES



Accessibility
Issues



Engagement
Barriers



Synchronization
Problems

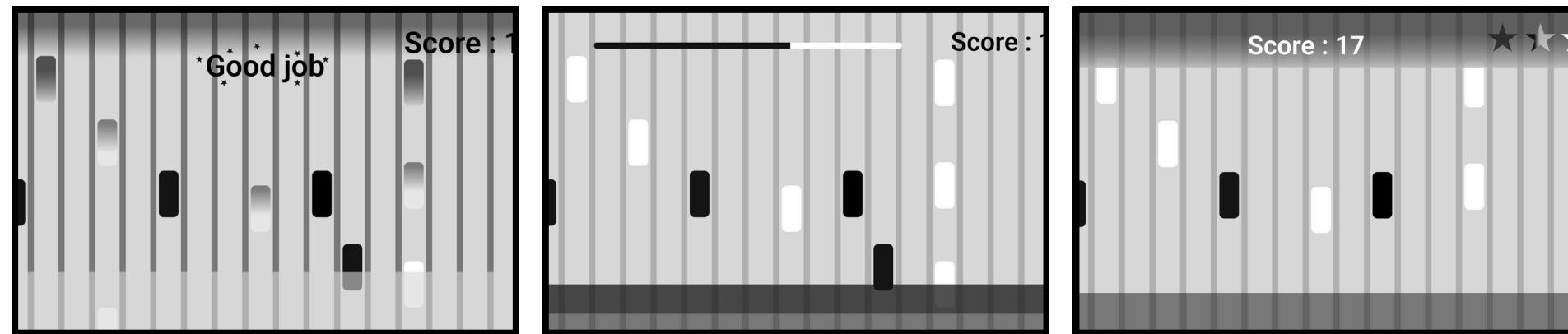
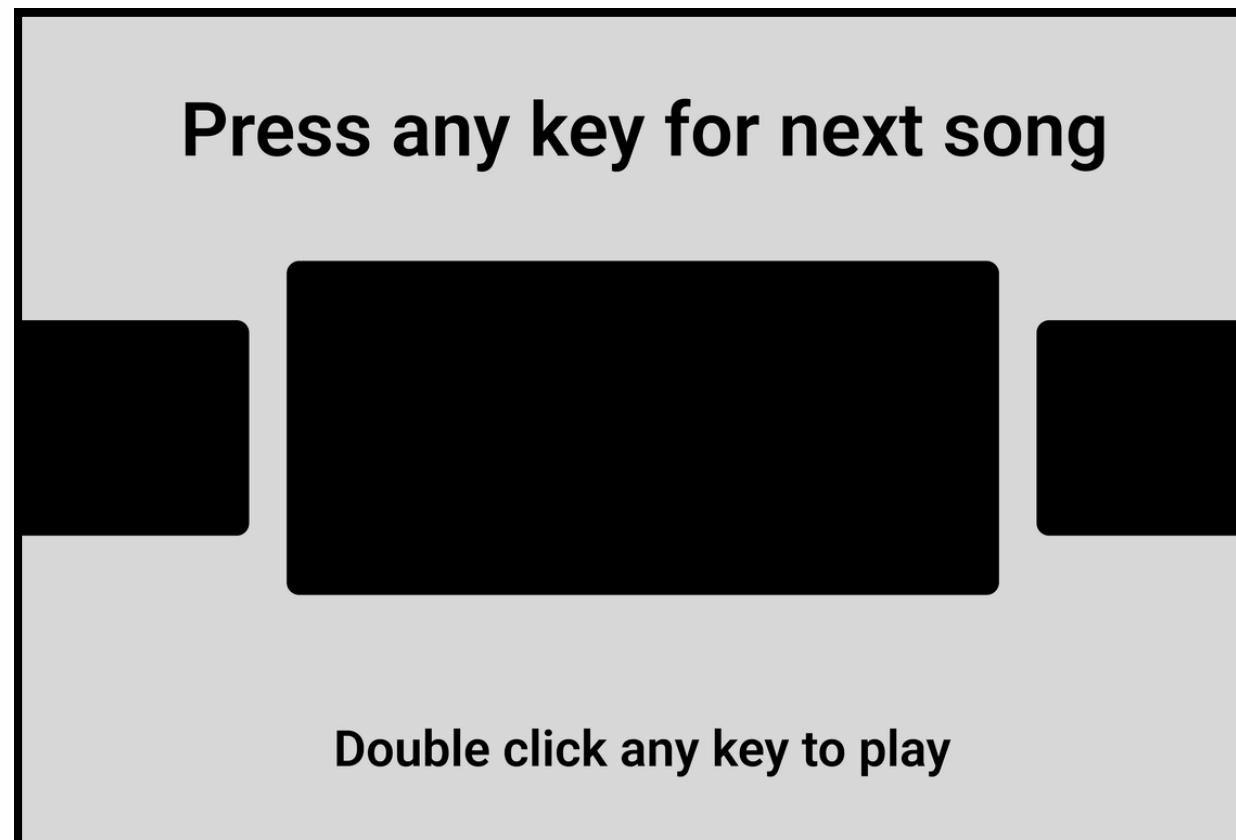


Therapeutic
Challenges

DESIGN BRIEF

Refine the MDT prototype to cater to the therapeutic needs of dementia patients, enhancing emotional well-being, cognitive function, and social interaction.

IDEATIONS

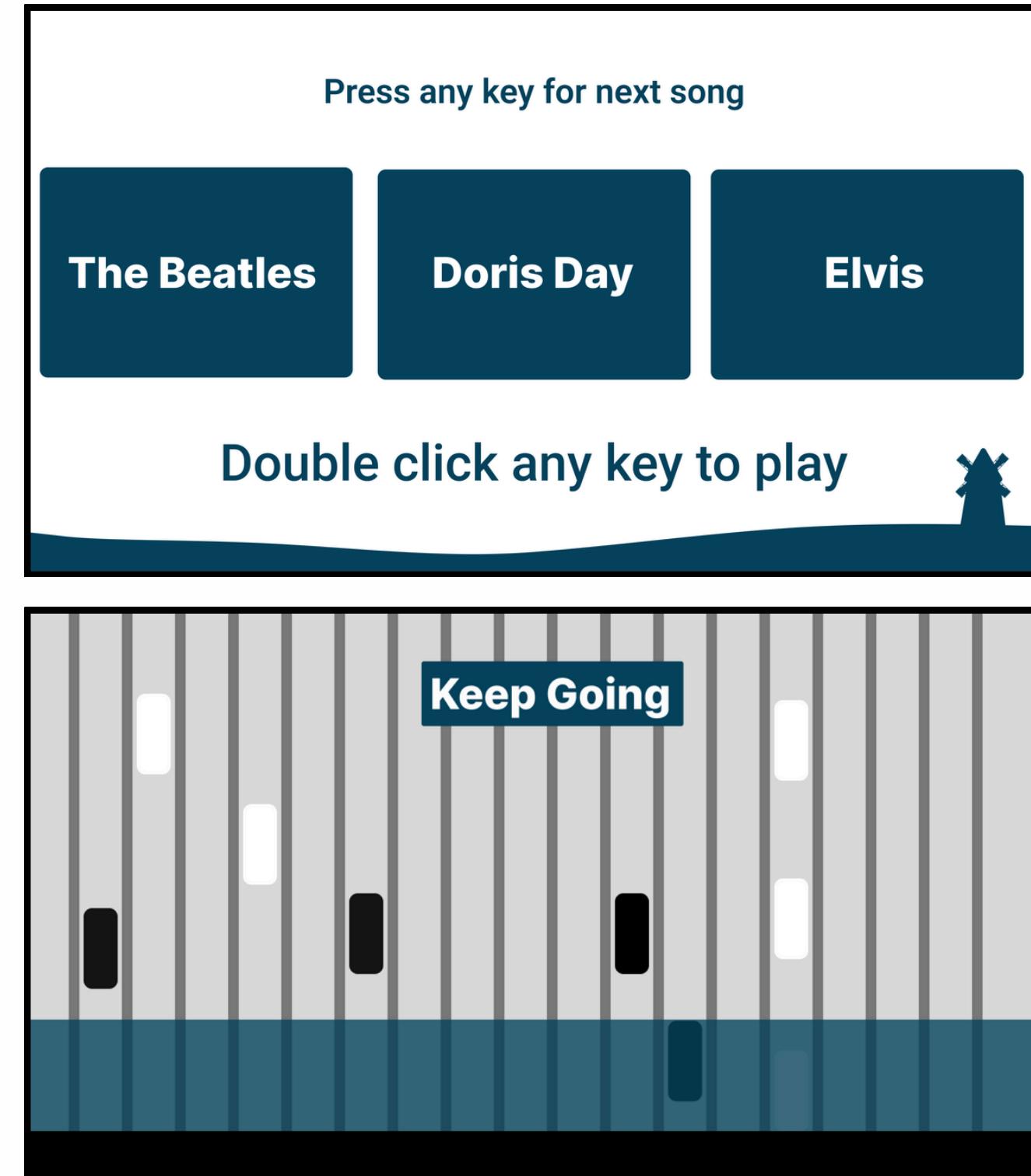


PATIENT TESTING



WHY THIS DESIGN?

-  Personalization
-  Independence
-  Therapeutic Focus
-  Iterative Refinement
-  Simple Interface
-  Inclusive Design





FORMULA CRUISER HU-2

ROLE: BRAND DESIGNER

CLIENT: FORMULA CRUISER

INDUSTRY: AUTOMOTIVE

DURATION: 6 MONTHS

TOOLS: PHOTOSHOP BLENDER

04

THE USER

The users were the HU2 Formula Student team, sponsors, and competition judges who required a compelling brand identity and a well-defined business case to showcase the project's financial and strategic viability.

RESULTS

- Developed a comprehensive business case for the brand by analyzing market trends, customer insights, and competitive landscapes.
- Designed the team's racing shirt
- Created visual displays that highlighted potential sponsorship spots on the race car.

PROBLEM

The HU2 team needed a cohesive brand identity and a strong business case to attract sponsorship, demonstrate financial viability, and set the project apart in the Formula Student competition.

PAIN POINTS AND CHALLENGES



Brand Representation



Financial Justification



Resource Constraints

DESIGN BRIEF

Develop a dynamic brand identity and a comprehensive business case to showcase the HU2 Formula Student project's innovation, sustainability, and financial feasibility.

IDEATIONS



IN USE



SPONSORS 3D RENDERS SPOTS

TOP VIEW





FORMULA CRUISER HU4

ROLE: INDUSTRIAL DESIGN ENGINEER

INDUSTRY: AUTOMOTIVE

CLIENT: FORMULA CRUISER

DURATION: 3 MONTHS

05

THE USER

Students aged 18–30 within the 5th–95th percentile range

PROBLEM

Create a Formula Student car that meets ergonomic, aerodynamic, and sustainability goals while adhering to competition regulations.

KEY REQUIREMENTS

- Adjustable components (e.g., pedals) for driver inclusivity.
- Aerodynamic optimization through front/rear wings and the Venturi effect.
- Sustainable materials for non-loadbearing components.
- Compliance with Formula Student 2022 regulations for performance and safety.

PAIN POINTS AND CHALLENGES



Aerodynamic Efficiency



Ergonomic Complexity



Compliance Issues

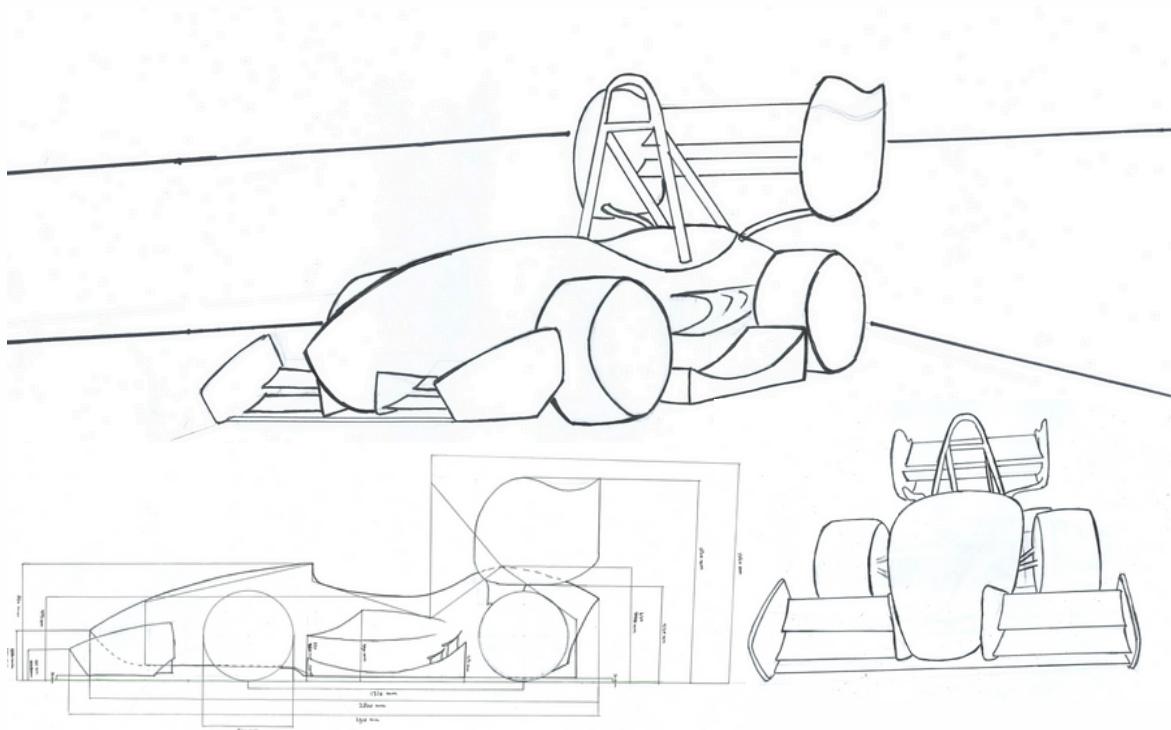


Material Constraints

DESIGN BRIEF

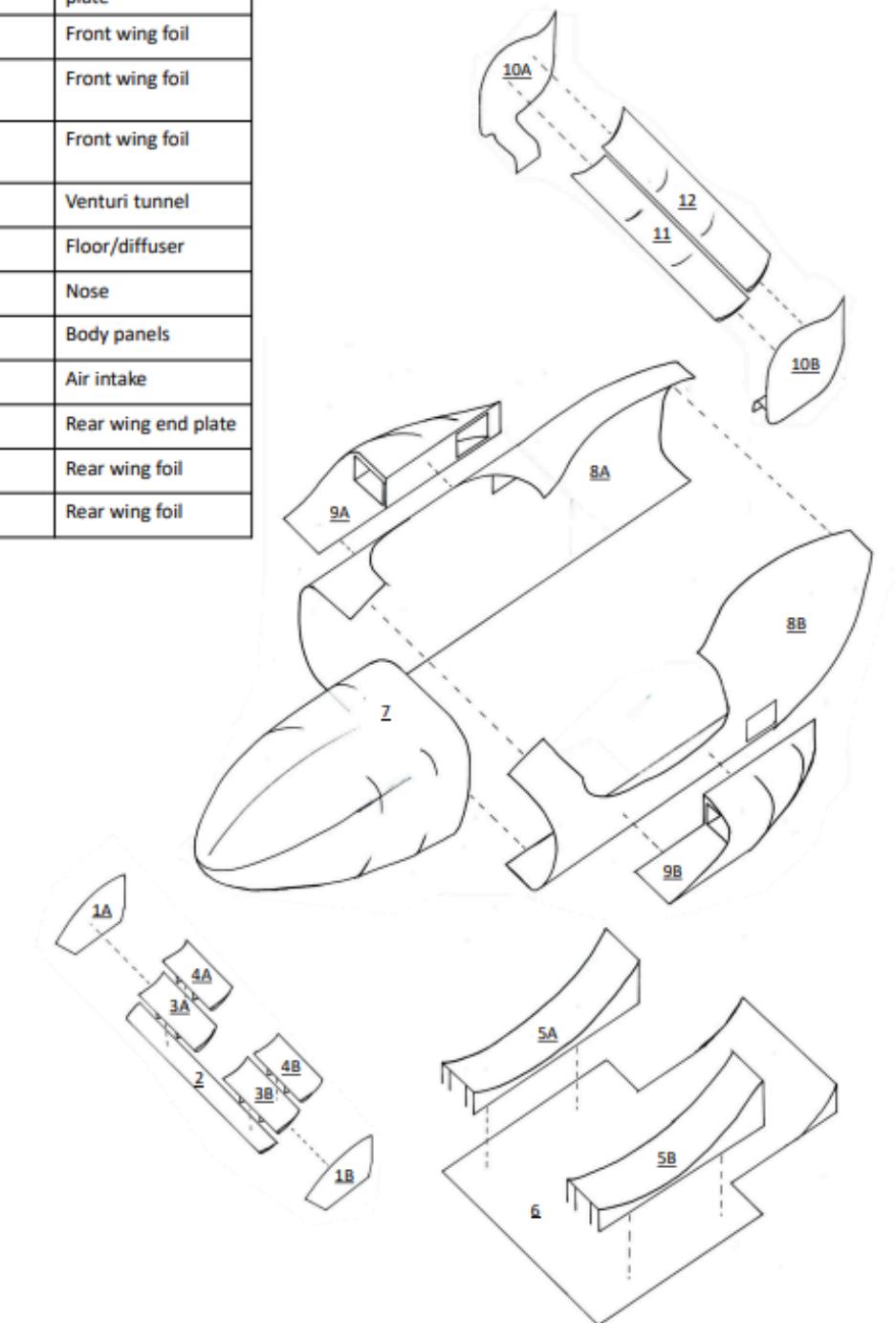
Design and develop a Formula Student car (HU4) that completes all event stages while representing The Hague University of Applied Sciences (THUAS).

IDEATIONS



EXPLODED MODEL

Part Number	Description
1	Front wing end plate
2	Front wing foil
3	Front wing foil
4	Front wing foil
5	Venturi tunnel
6	Floor/diffuser
7	Nose
8	Body panels
9	Air intake
10	Rear wing end plate
11	Rear wing foil
12	Rear wing foil



PROTOTYPING



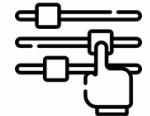
WHY THIS FORM?



Aesthetic Representation



Aerodynamic Excellence



Adjustability



Event-Specific Adaptability



Ergonomic and Safety Focus



Compliance with the FC 2022 regulations



Airbox



AIRBOX

ROLE: INDUSTRIAL DESIGN ENGINEER

INDUSTRY: NON-PROFIT

CLIENT: WAAG

DURATION: 3 MONTHS

TOOLS: SOLIDWORK BLENDER

06

THE USER

The primary users are citizens of North Holland who are concerned about air quality but lack awareness and engagement with the data provided by Waag's Hollandse Luchten platform.



Name: Sophie van Dijk

Age: 27

Hobby: Walking her dog

I don't feel educated enough about air quality to know what actions to take.

PROBLEM

People lack the knowledge, motivation, and tools to engage with and act on air quality data provided by Waag's platform.

PAIN POINTS AND CHALLENGES



Low Awareness



Complex Data Presentation



Motivational Gaps

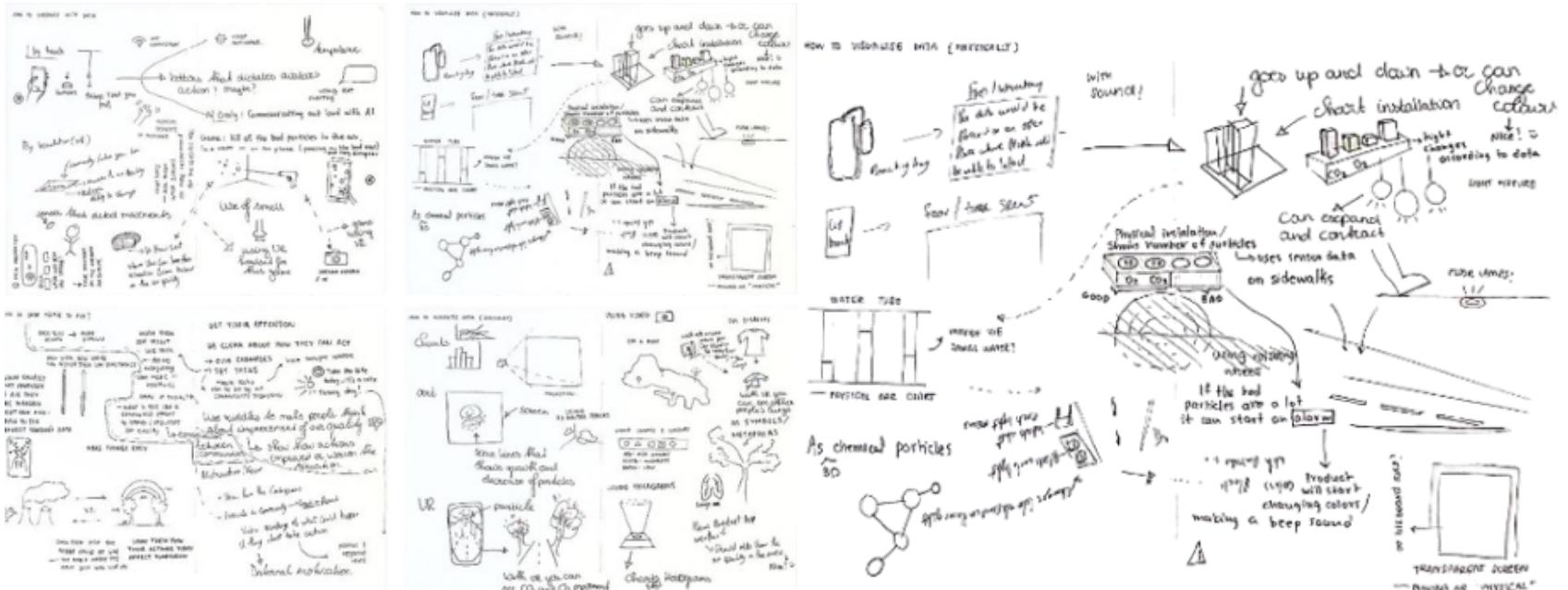


Limited Engagement

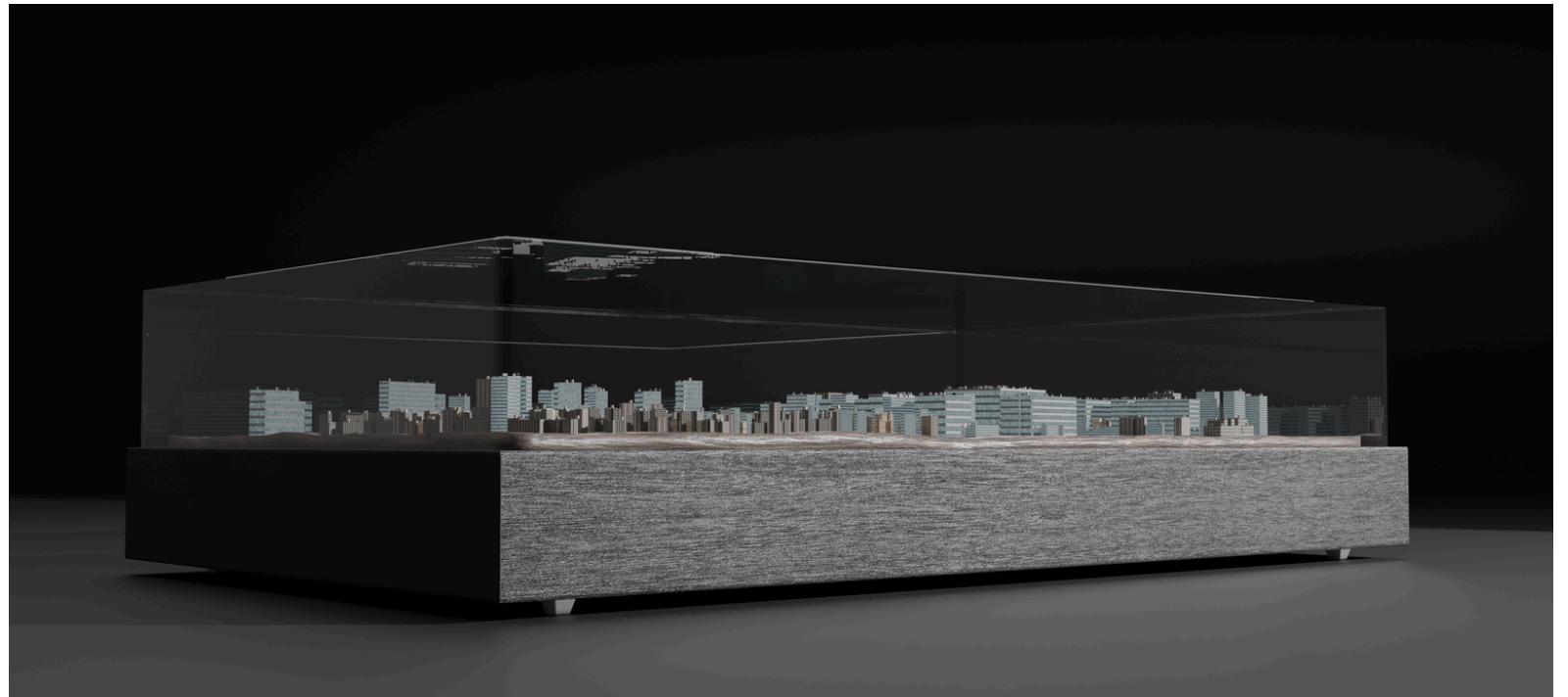
DESIGN BRIEF

Create a creative and inclusive way to visualize air quality data that educates and motivates users.

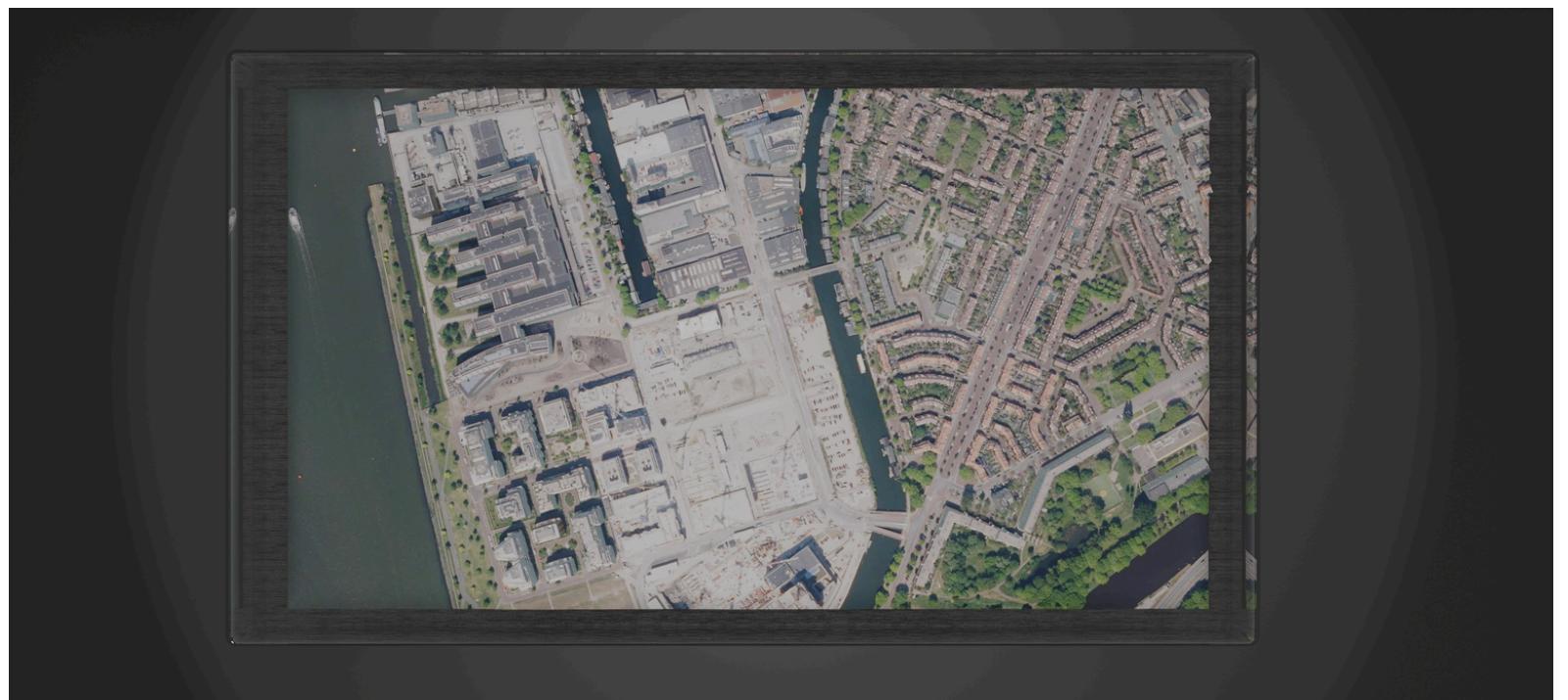
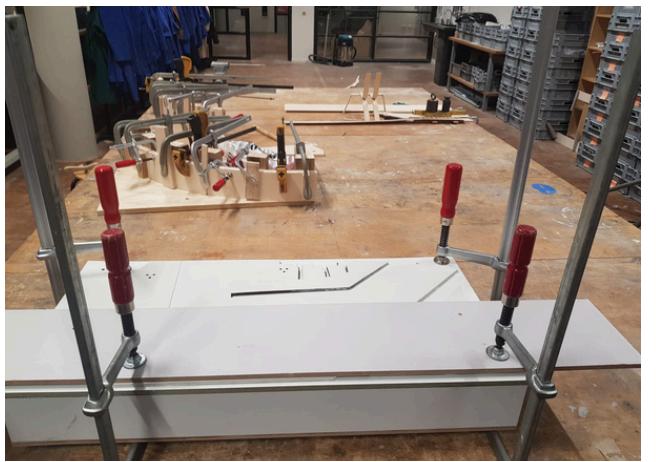
IDEATIONS



3D MODEL



PROTOTYPING



WHY THIS FORM?



Educational focus



Visual accessibility



Practical application



Sustainability awareness



Engaging narrative





WILDWEST

ROLE: CONTENT CREATOR

INDUSTRY: SOCIAL MEDIA

INDUSTRY: SOCIAL MEDIA

DURATION: 16 MONTHS

TOOLS: EXCEL

WHAT?

This project was an experiment to test the feasibility of a faceless and voiceless content creator, with a goal of having 1000 followers within 6 months.

KEY REFLECTION

“
I wanted to see how far I could go as a faceless and voiceless creator with a specific genre and a clear audience target.”

PROBLEM

How to successfully grow a FIFA-focused content channel as a faceless and voiceless creator while leveraging the niche's competitive environment.

PAIN POINTS AND CHALLENGES



Genre-Specific Competition



Building an Audience Without Personality



Influencer Persona

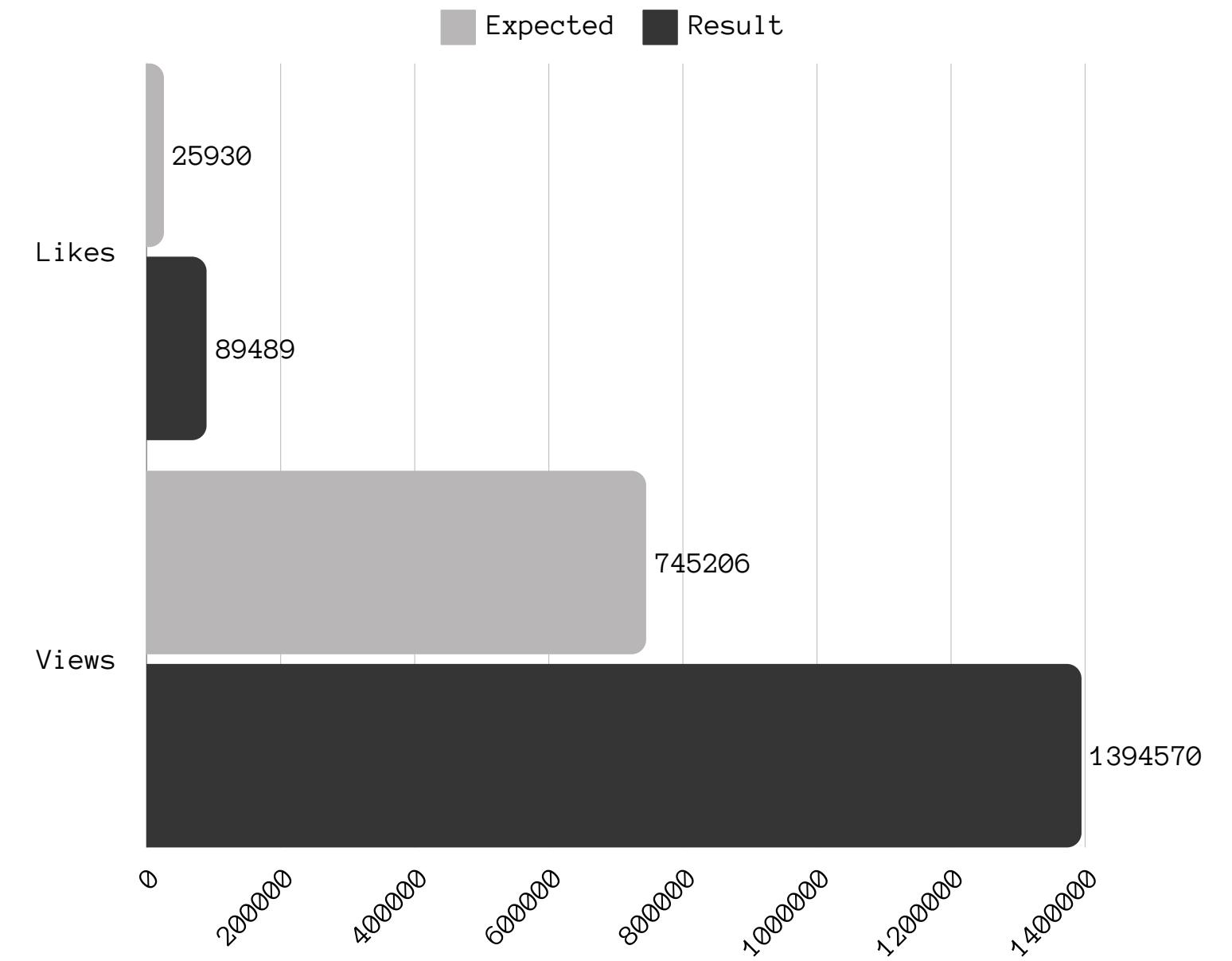
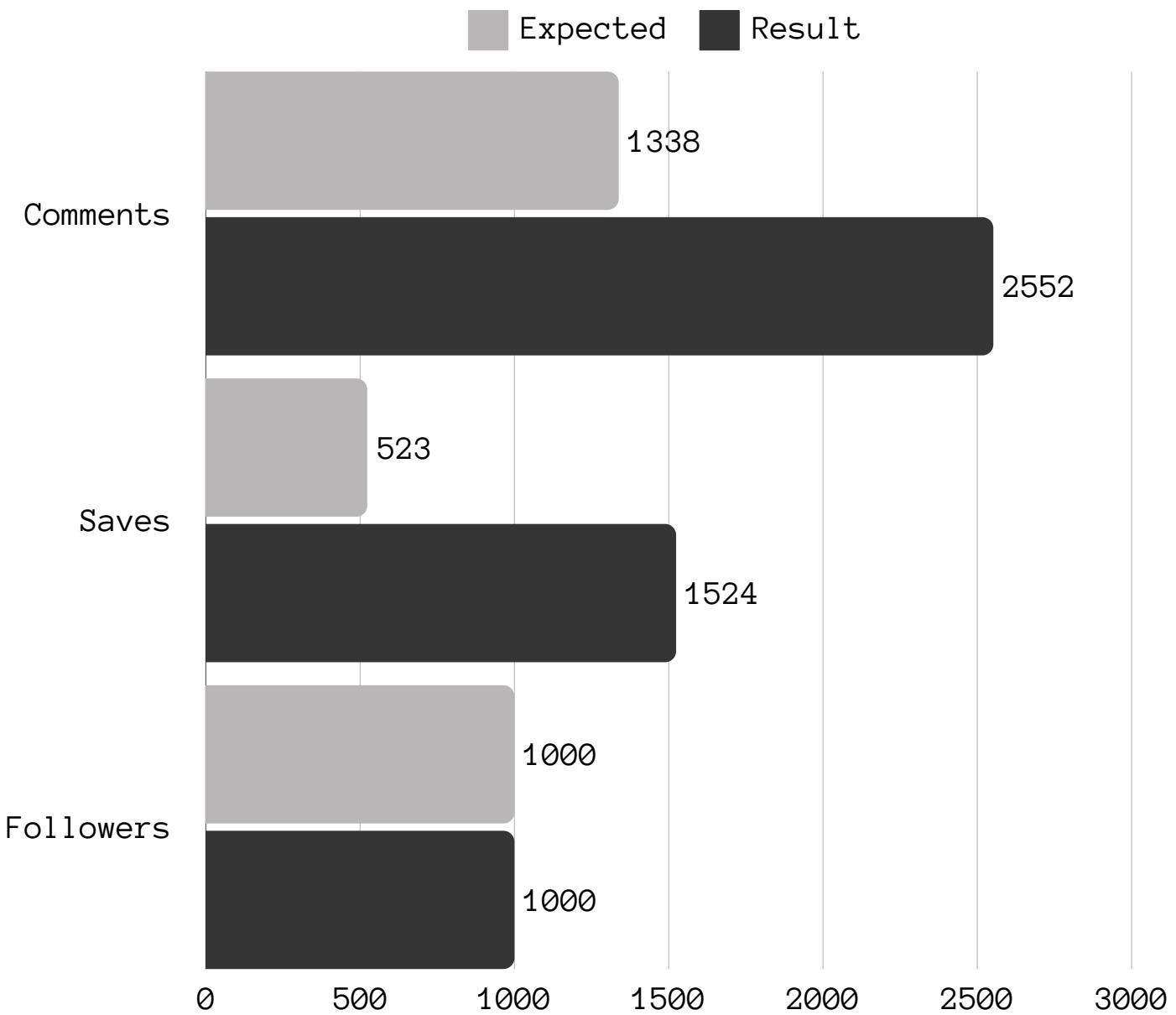


Resource Constraints

DESIGN BRIEF

Test the viability of a faceless, voiceless content creator in the FIFA genre to measure potential reach and engagement.

RESULTS AFTER 6 MONTHS



WHY THE STRATEGY WORKED



Data-Driven Iteration



Targeted Content



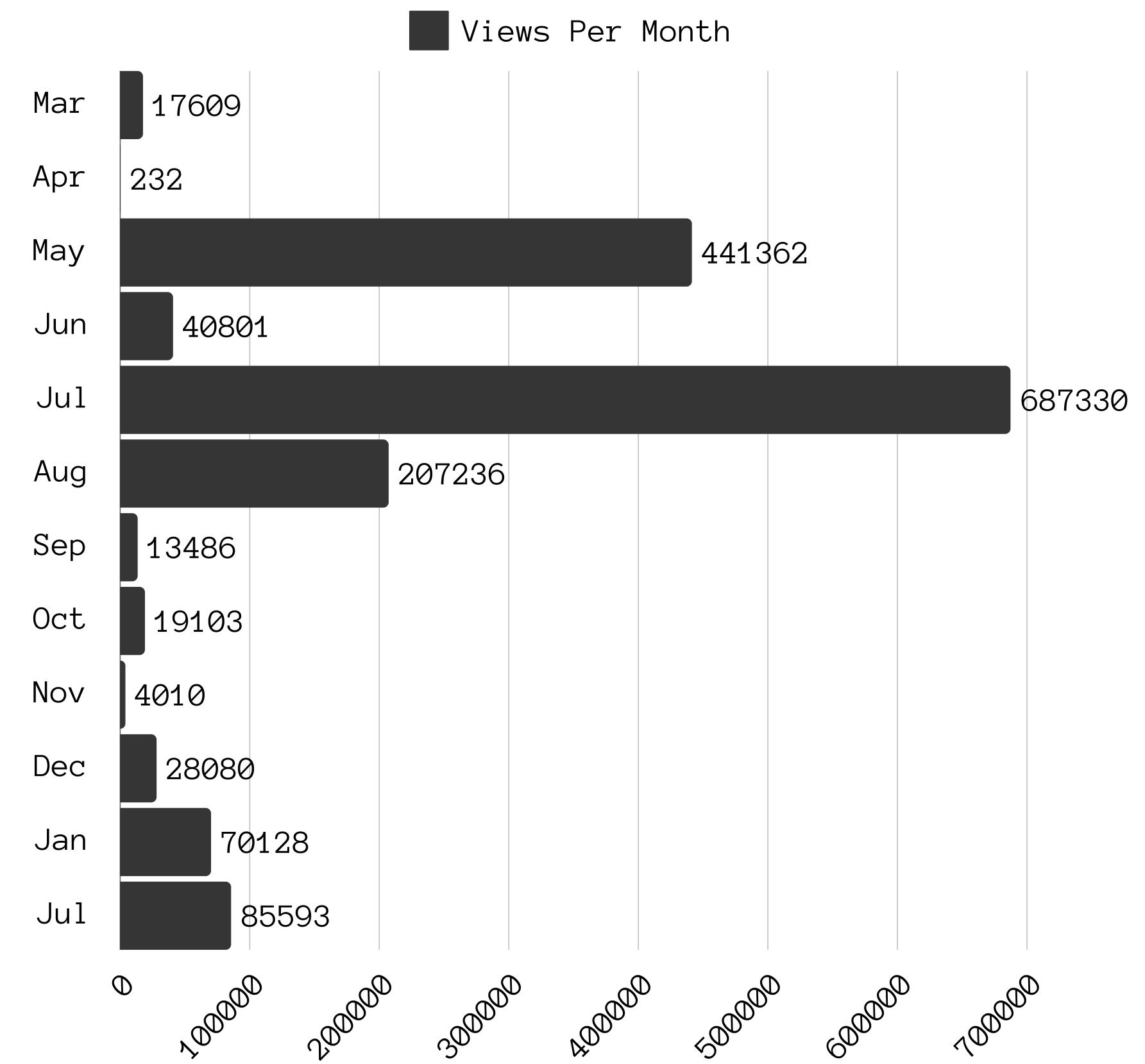
Consistency

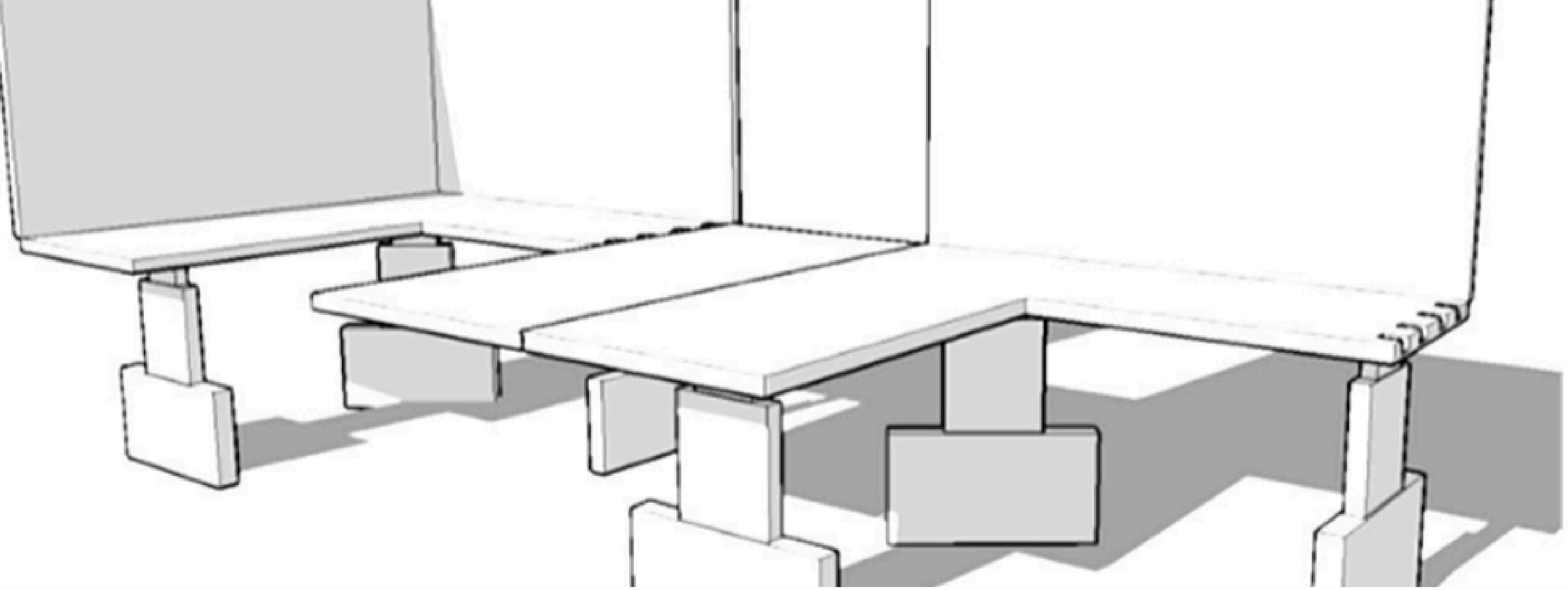


Budget-Friendly



Affordable Manufacturing





VISION TABLE

CLIENT: AHREND

ROLE: INDUSTRIAL DESIGN ENGINEER

INDUSTRY: FURNITURE

DURATION: 6 MONTHS

THE USER

The user represents a diverse group of office workers impacted by the COVID-19 pandemic. These individuals struggle with adapting to remote work or returning to office spaces due to various challenges, including social isolation, reduced productivity, and workspace inefficiencies.



Name: Mark Janssen

Age: 34

Work: Web Developer

I don't feel educated enough about air quality to know what actions to take.

PROBLEM

The pandemic has disrupted the balance between office efficiency and remote work flexibility, causing reduced productivity for employers and mental stress and workspace discomfort for employees.

PAIN POINTS AND CHALLENGES



Social Isolation



Discipline and Routine



Lacks Motivation at Home



Health Concerns

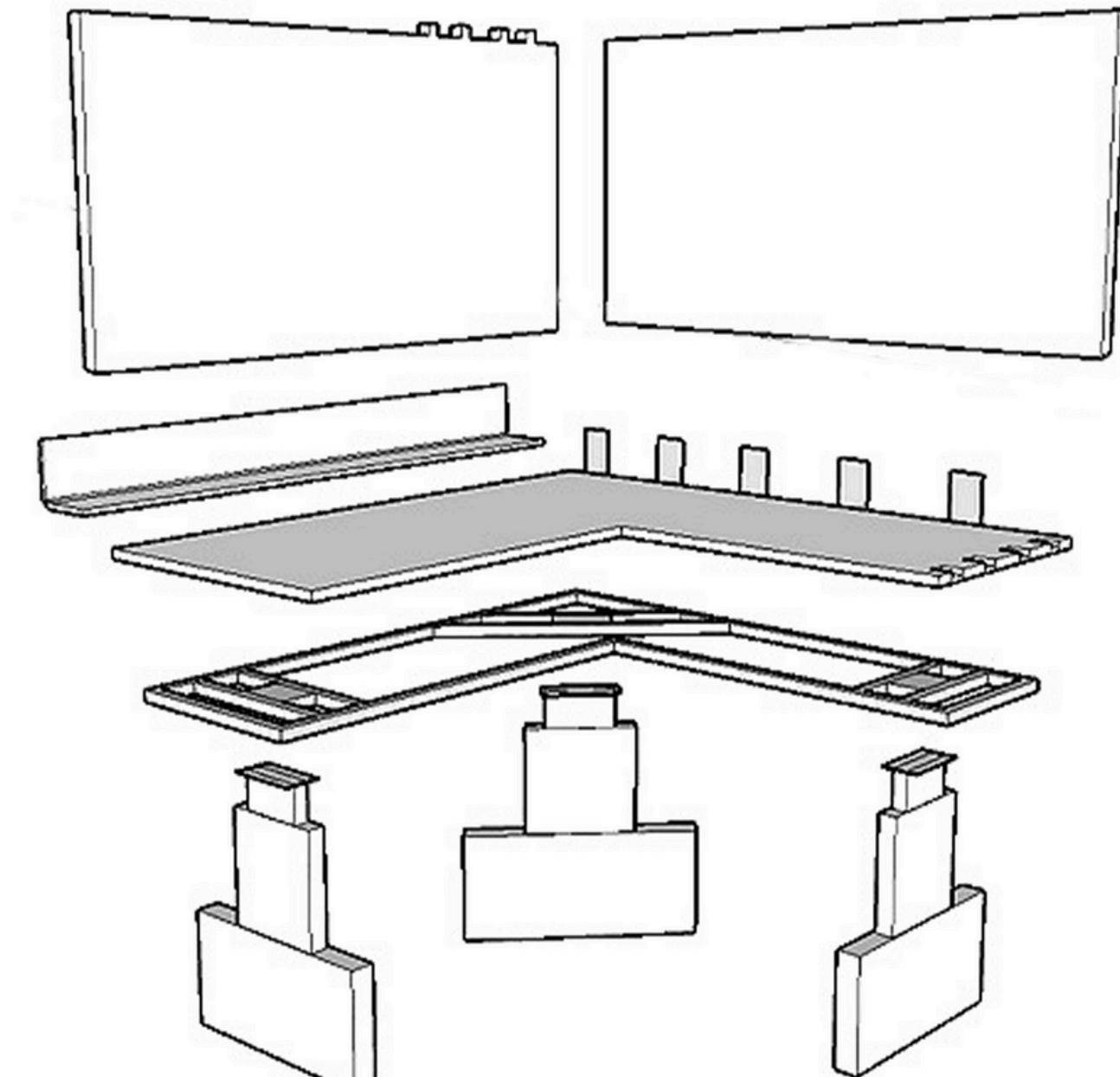
DESIGN BRIEF

Develop a product to create a safe, sanitary, and comfortable work environment in offices during the pandemic and beyond.

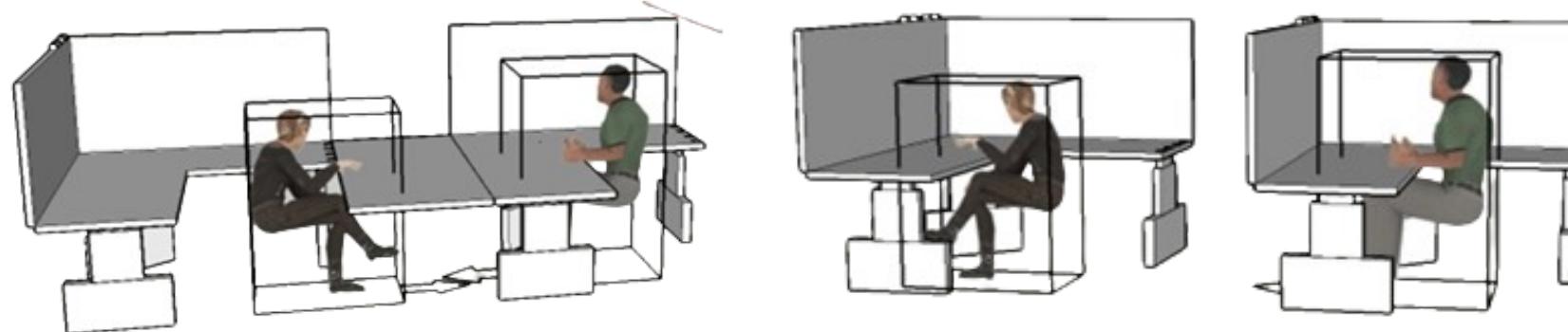
IDEATIONS



3D MODEL



USE CASE



WHY THIS DESIGN?



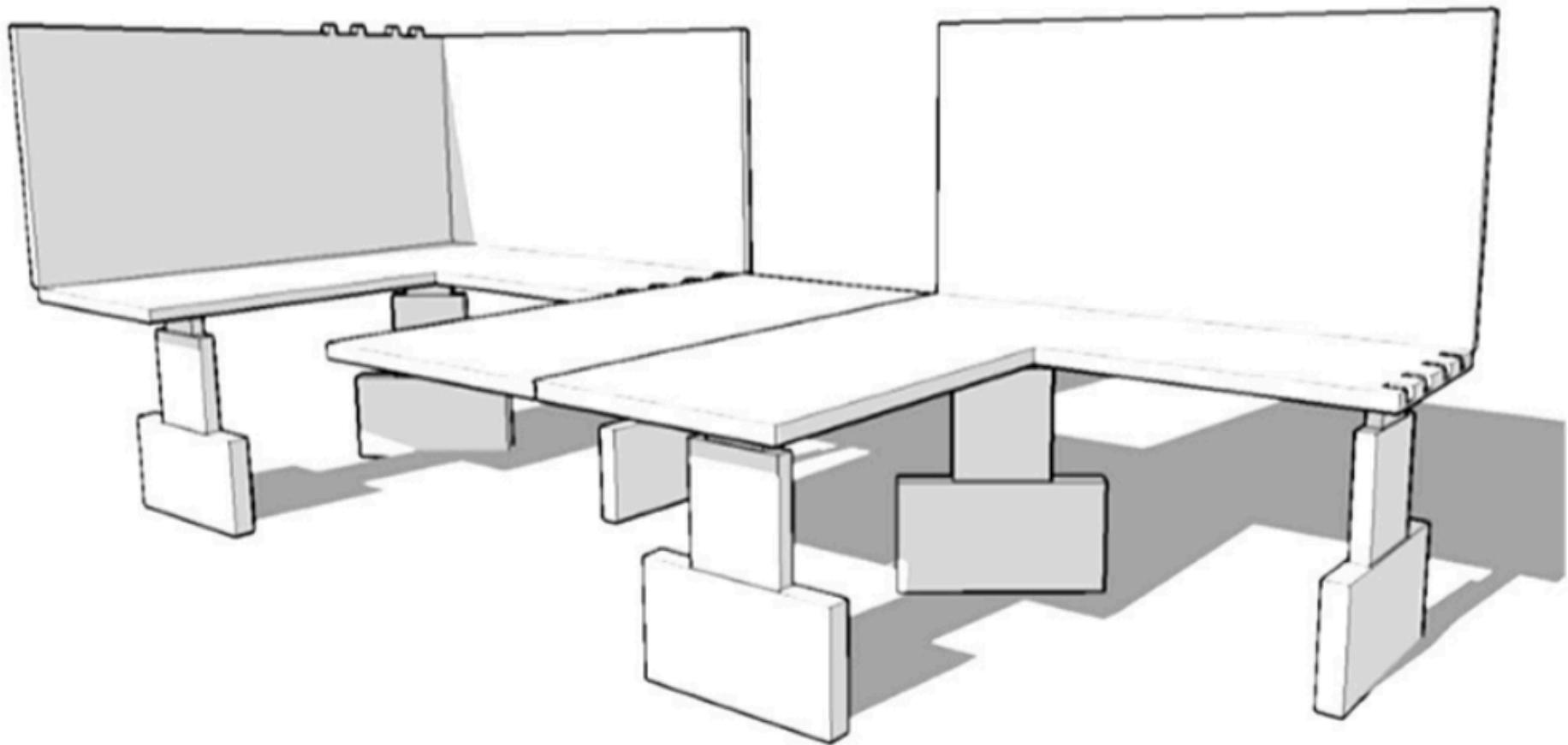
Sanitary and Safe Interaction



Simple Design



Affordable Manufacturing



let's work
TOGETHER