

The image shows a minimalist design portfolio cover. It features the word "design" in a black script font, positioned above the word "PORTFOLIO" in a large, bold, dark blue sans-serif font. The "O"s in "PORTFOLIO" are stylized with a white circle in the center, each containing a small orange plus sign. A thin orange line forms a partial frame around the text, starting from the top left, going down, across, and up the right side. Below the word "PORTFOLIO", the name "Munguntsooj Chimeddorj" and the years "2023-2025" are written in a smaller, dark blue sans-serif font.

design
PORTFOLIO
Munguntsooj Chimeddorj
2023-2025

+

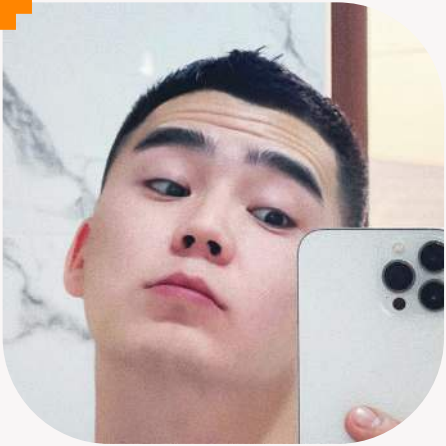
graphic design

+

JOJO

student

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SOFT SKILLS

+

#problemsolving

#creativethinking

#timemanagement

#leadership

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SOFTWARE SKILLS

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Fundemental Design Project N°3

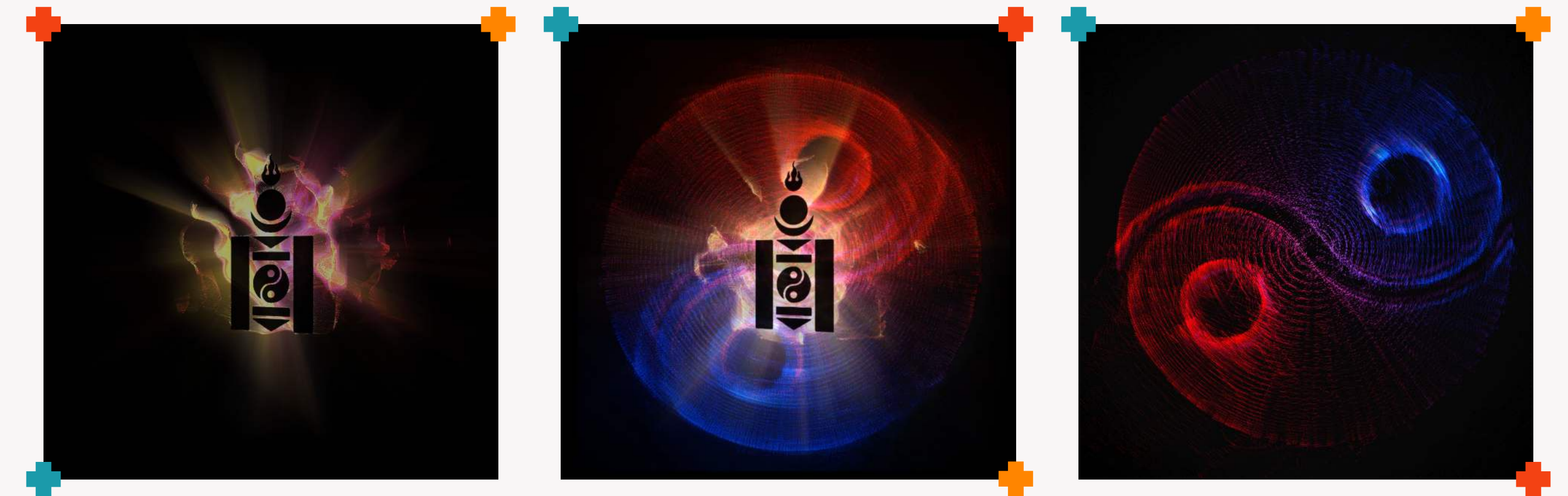
MUSIC VISUALIZATION

ABOUT

The objective of this project was to develop an audio-reactive model using **Rhino**, initially intended to be constructed with **Grasshopper** and the **Firefly** plugin. However, I chose to leverage the **TouchDesigner** application due to its advantageous features for music visualization such as real-time audio analysis, interactive visual effects, and dynamic parameter mapping etc.

Our teacher graciously allowed us to switch programs, recognizing the potential benefits of **TouchDesigner** for our project. Also one of the most important part was our professor instructed us to select **three songs** that authentically represent our country. The challenge was to intricately connect the audio-reactive model with these chosen songs, incorporating **TouchDesigner's** capabilities.

As part of the project requirements, we were also tasked with writing **nodes** to enhance the functionality of our model. Furthermore, we had to design a **poster** that effectively communicates the essence and features of our **audio-reactive model** project.



CONCEPT

When observing the entire screen, the concept aligns seamlessly with the iconic **Mongolian flag**, featuring the vibrant colors of **red**, **blue**, and **yellow**.

The background's **Yin and Yang**, synchronized with the music's **rhythm, snare, and kicks**, mirrors the flag's dynamic design.

At the forefront, the **Soyombo symbol** stands steadfast with any movement. Meanwhile, the particles that emerge behind the **Soyombo**, glowing in **yellow**, **white**, and **red**, add a modern touch. Notably, this glow dynamically responds to the singer's vocals, harmonizing with the **mid-tones** of the music.

In essence, the project encapsulates a visual representation of **Mongolia**, combining traditional flag colors with dynamic **audio-reactive** elements.



Fundemental Design Project №2

TRAVEL APP / WEB DESIGN

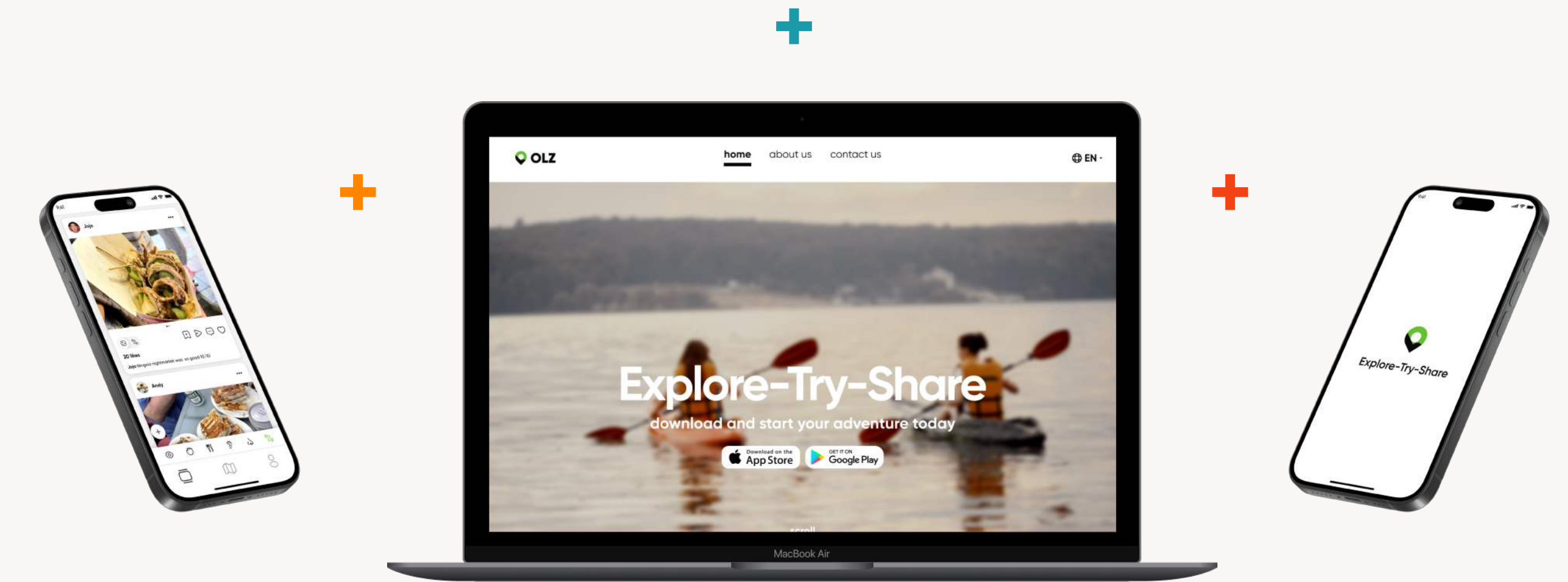
ABOUT

For our second project in **travel website and application design**, our teacher encouraged us to consider the **human senses**.

This proved to be a challenging task, as translating sensory experiences into a digital format required careful thought and creativity.

This challenge added an interesting layer to the design process, aiming to make our travel website or application more engaging and immersive for users.

Moreover, the teacher specified that we must choose between **Figma** and **Adobe XD** for our design, leading me to opt for **Figma** due to my prior familiarity with the program.



CONCEPT

During Project 2, as I navigated using **Google Maps**, a simple yet intriguing idea struck me: why not develop an app seamlessly integrated with maps for user reviews? I named the app **Olz**. The logo, designed with a location icon, represents Olz, meaning ‘**treasure found on our way**’ in Mongolian. The OL in Olz signifies ‘**find**’ in Mongolian, embodying the app’s purpose—to discover treasures along the journey.

Olz serves as a unique blend of a **review-based** map system and **social media** platform. It allows users to share posts encompassing diverse experiences, from delicious foods to captivating places, capturing everything sensed through the **five senses**. The project’s central challenge was to incorporate these senses into the app, and Olz addresses this with a **5-senses search filter**. This feature seamlessly operates across the user’s feed and on the map, enhancing the overall user experience.

Inspired by the simplicity of **Google Maps** and influenced by the user-friendly design of **Instagram**, **Olz** stands as a practical and visually appealing app, encouraging users to explore and share their sensory-rich adventures.

POSTER DESIGN

For the Olz poster, I kept it simple and effective. The app’s logo color takes center stage, glowing in vibrant green.

I chose Montserrat font to shape the Olz word, using the blend tool to give it a subtle glow with straightforward colors and shapes.

The palette includes navy blue, deep green, and crisp white, creating a clean and inviting design that reflects Olz’s sleek and user-friendly nature.



Design Drawing Project №2

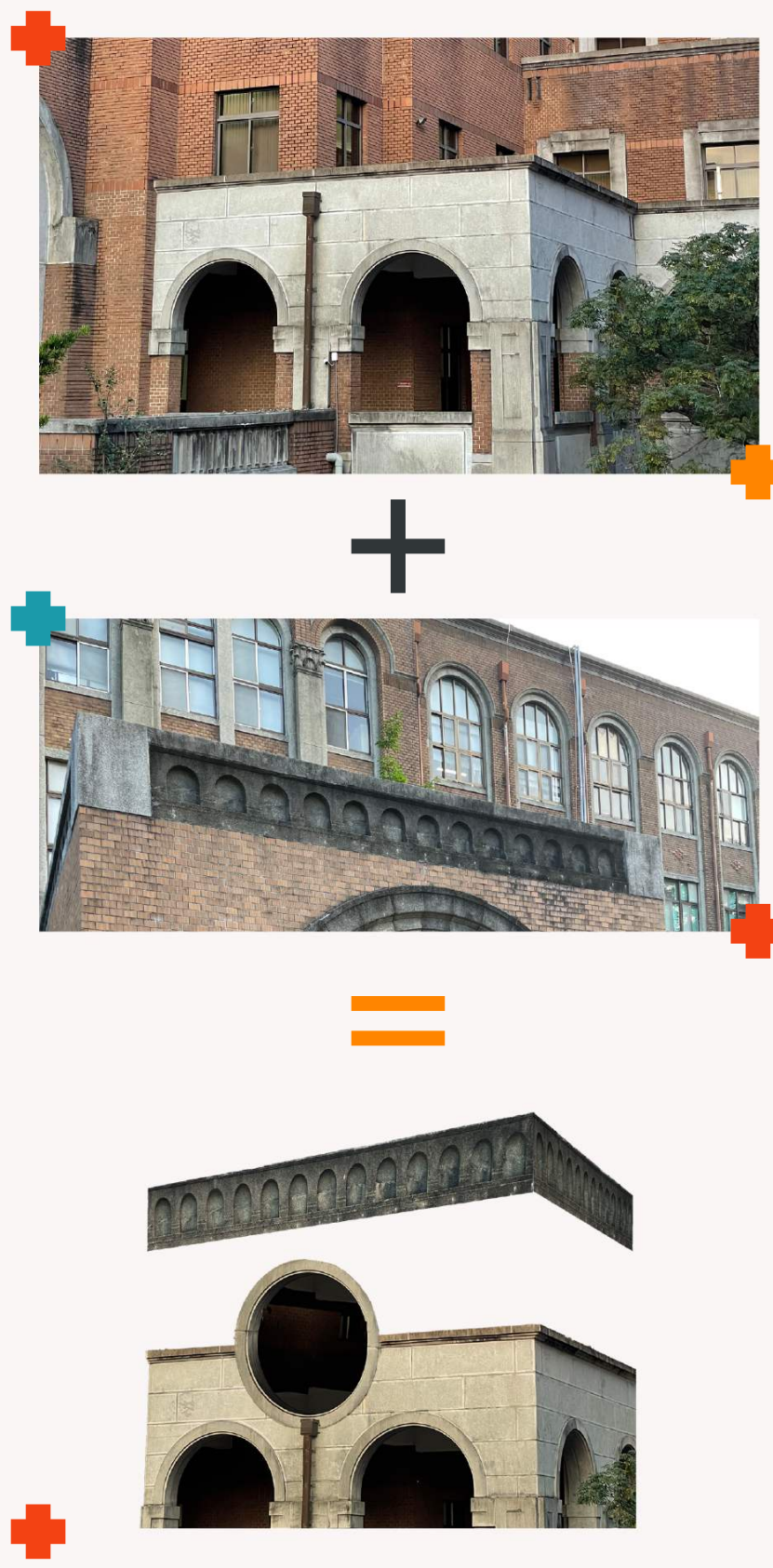
PRESPECTIVE, PHOTO COLLAGE

ABOUT

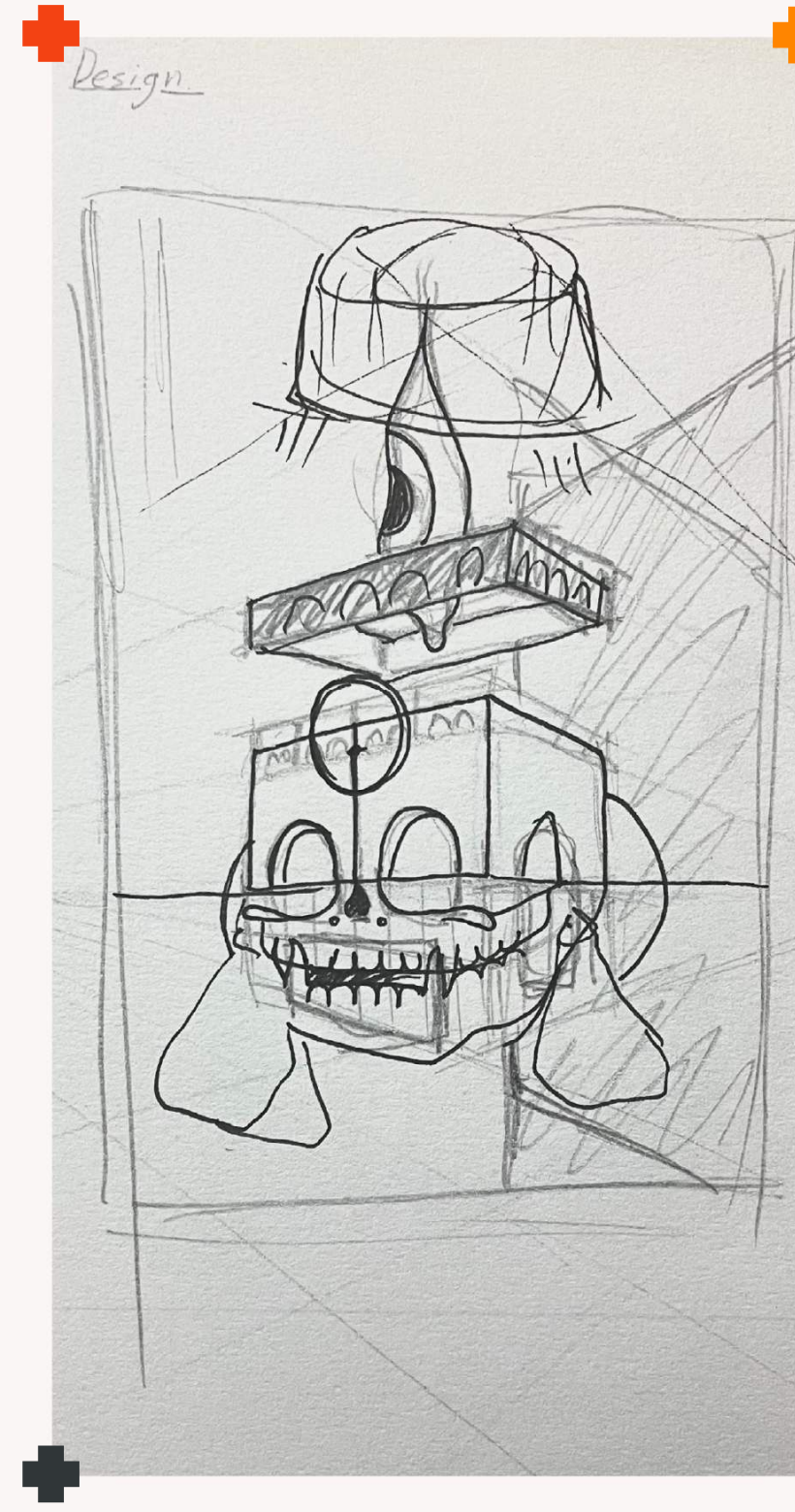
For our project, we visited NTU (National Taiwan University) and snapped pictures using our phones, paying attention to 1, 2, and 3 point perspectives.

The task involved cutting out these perspective elements and placing them on paper. The rest of the drawing was completed by hand, resulting in a collage art piece that blends the captured perspectives with hand-drawn elements.

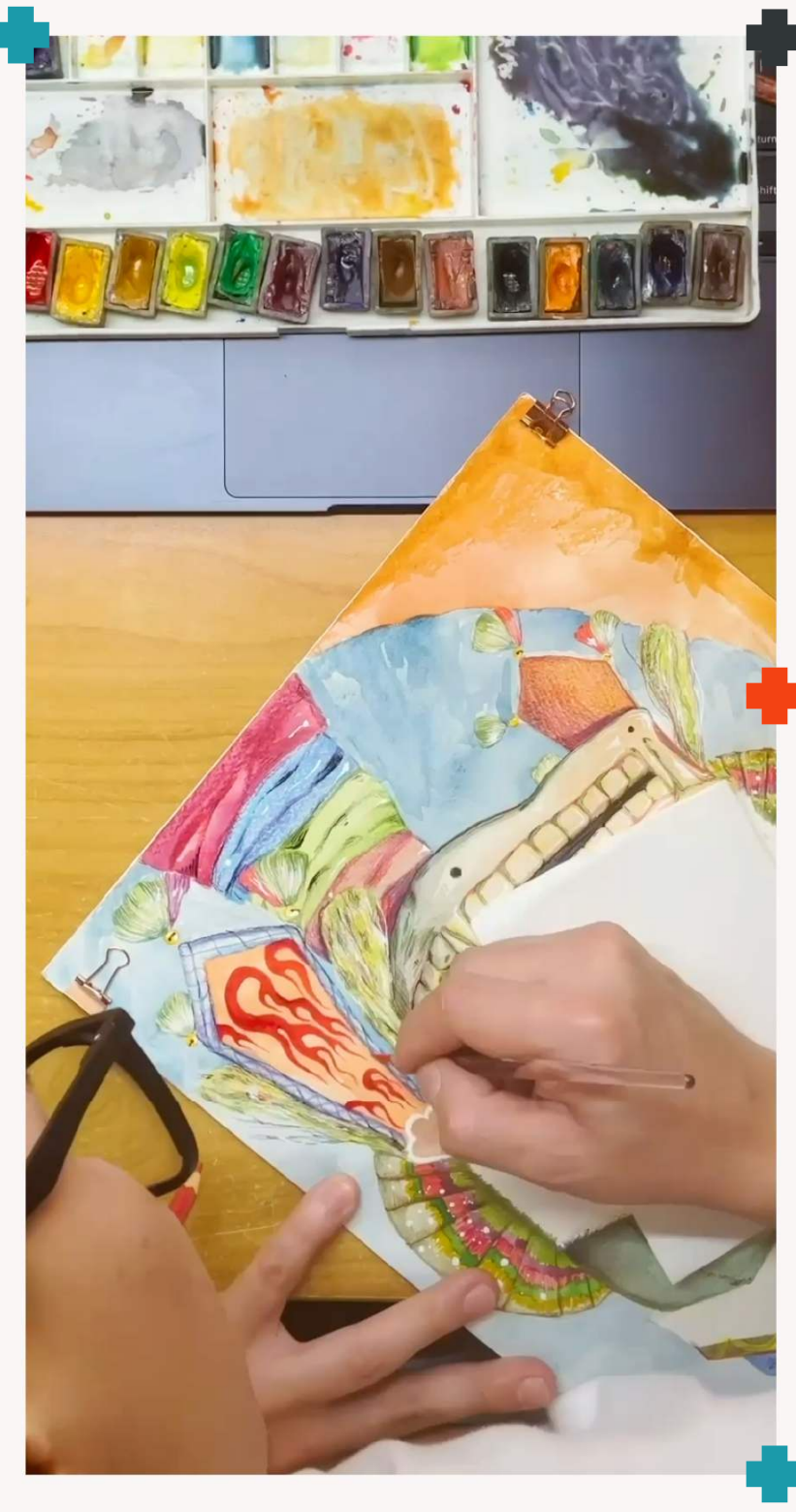
This project served as a practical lesson, honing our understanding of how perspective points work. By engaging with this hands-on exercise, I hope it has improved our ability to imagine and portray objects in three-dimensional space.



SKETCH



PROGRESS



FINAL RESULT

In crafting this art piece, my inspiration draws from my experiences during high school when I completed a professional tour guide's course. During that time, I delved into [Buddhism's](#) myths, with [CitiPati](#) emerging as a favorite—a deity known to protect people from [thieves](#).

The spark for this project ignited during our field trip to [NTU \(National Taiwan University\)](#). The shapes of the buildings resembled the [eye sockets of a skull](#), reminiscent of the imagery associated with [CitiPati](#). With this in mind, I embarked on a creative journey.

Initially, I [Photoshopped](#) the images for the cutting part, isolating the specific [shapes](#). Then, I meticulously cut and placed these shapes on an A3 paper. Following my basic [sketches](#), I brought the collage to life using color [pencils and watercolors](#).

The blend of these mediums captured the essence of my vision—a fusion of architectural perspectives and the protective symbolism associated with [CitiPati](#).

Geocaching Game

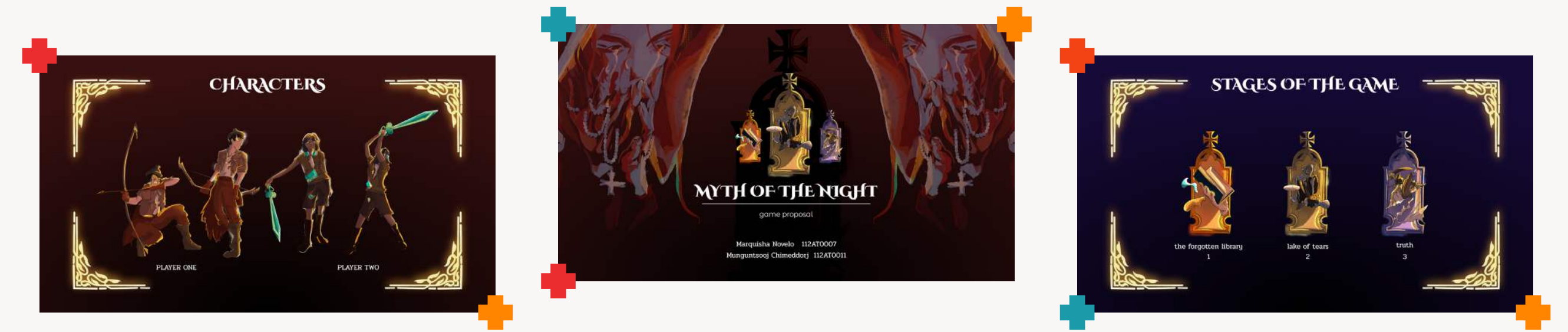
MYTH OF THE NIGHT

ABOUT

The task was to create a geocaching game using **Adobe Aero** and other supporting applications such as **Blender** and **Procreate**. The team members involved were Marquisha and me.

I was responsible for developing the **game system, designing layouts, creating posters, scripting, sourcing assets, and placing all assets within Adobe Aero**. Marquisha was tasked with **creating illustrations and developing the game's background story**.

The game consists of three stages and is designed for two players.
In the first stage, players use their phones to locate a book that contains a clue for the next stage.
The second stage features a quiz game utilizing quizzes.
The final stage is a hide-and-seek game.



STORY

Legends whisper of a sorrowful spirit that haunts the weeping willow at the heart of **NTUT**. They call her **La Llorona**, the **Weeping Woman**.

Those **brave enough** to venture near the weeping willow during twilight might fear whisper on the breeze. It speaks of whispers within the wind, secrets hidden in plain sight...

It's a game that could lead you to uncover the truth behind **La Llorona's legend**, or perhaps even help her find the solace she desperately seeks.

Personal VR Exhibition

MEMORIES

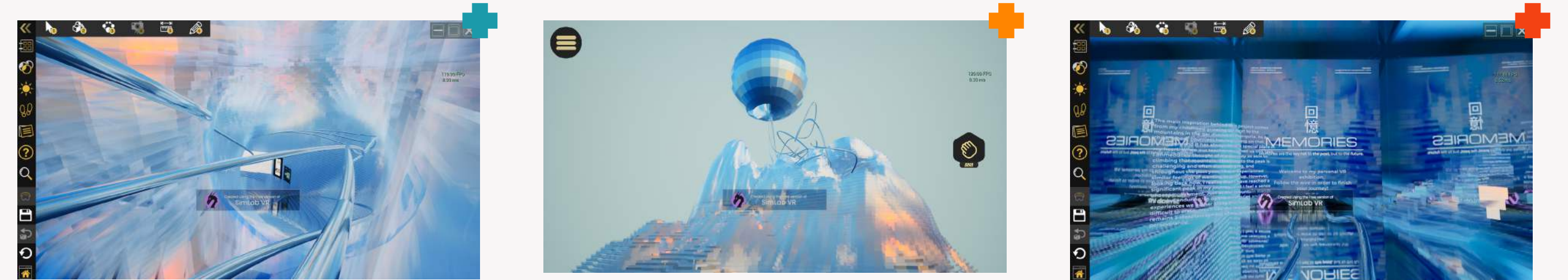
ABOUT

In our recent project, we were tasked with reviewing our yearly progress and creating **personal VR exhibitions**.

The centerpiece of my exhibition is a mountain, designed to have a **topology-inspired look** and **evoke a dreamy**, ethereal vibe.

We utilized **Simlab** to bring our visions to life, with additional support from tools like **Blender** and **Illustrator** to enhance the visual and structural elements of the exhibition.

This innovative approach allowed us to creatively showcase our achievements and growth over the past year in an **immersive and engaging virtual environment**.



CONCEPT

The main inspiration behind this project comes from my childhood growing up next to the **mountains** in the ger district of Mongolia.

As a child, I spent countless hours playing on that mountain, and it has always held a special place in my heart.

When our teacher assigned us this task, I immediately thought of **my journey** as akin to climbing that mountain.

Climbing to the peak is challenging and often discouraging, and throughout the past year, I have experienced similar feelings of wanting to **give up**.

However, looking back now, I realize that I have reached a significant peak in my journey, and I feel a sense of accomplishment. Just as the mountain stands firm and enduring, so do the memories and experiences we gather along the way. **They are difficult to erase**, much like the mountain that remains a **steadfast symbol of my growth and perseverance**.

POSTER DESIGN

In the creation of this poster, I incorporated a rendering image of the current **VR model**, which I subsequently edited using **Adobe Illustrator**.

The **color palette** was carefully chosen to align with the theme, favoring very light colors to create a cohesive and visually appealing design.

This approach not only highlights the intricacies of the **VR model** but also ensures that the overall **aesthetic** remains consistent with the intended theme.



AI assisted horse tracking IOT device

ISOHEART

ABOUT

ISOHEART is a fully **offline, long-range, AI-enhanced** equine monitoring system designed to protect child jockeys and endurance horses in the infrastructure-sparse Mongolian Steppe.

The system employs a “**Steppe Edge**” architecture that replaces cloud-dependency with a local network consisting of a wearable Horse Node and a Field Station.

The system combines **long-range SX1262 LoRa** communication for up to **10 km connectivity without internet**, on-device **TinyML AI on an ESP32-S3** for **GPS-denied dead-reckoning navigation**, a **Node-RED** veterinary expert system that detects Recovery Lag and triggers real-time alerts, and a rugged, low-cost design built for reliable IoT deployment in remote and extreme environments.

MY CONTRIBUTION

Developed **ISOHEART** from concept to prototype, creating a comprehensive design system, user flows, and UX planning in **Figma**. Produced 3D product visuals using **Blender** and **Spline** (for web 3D), built the product website with Framer, and edited promotional videos in **Adobe Premiere Pro**. Also developed and tested small working hardware prototypes with basic coding for real-time heart rate monitoring.



MOUNT DISPLAY



HEARING DEVICE



MAIN DEVICE



APP UI



One-Button Meditation App

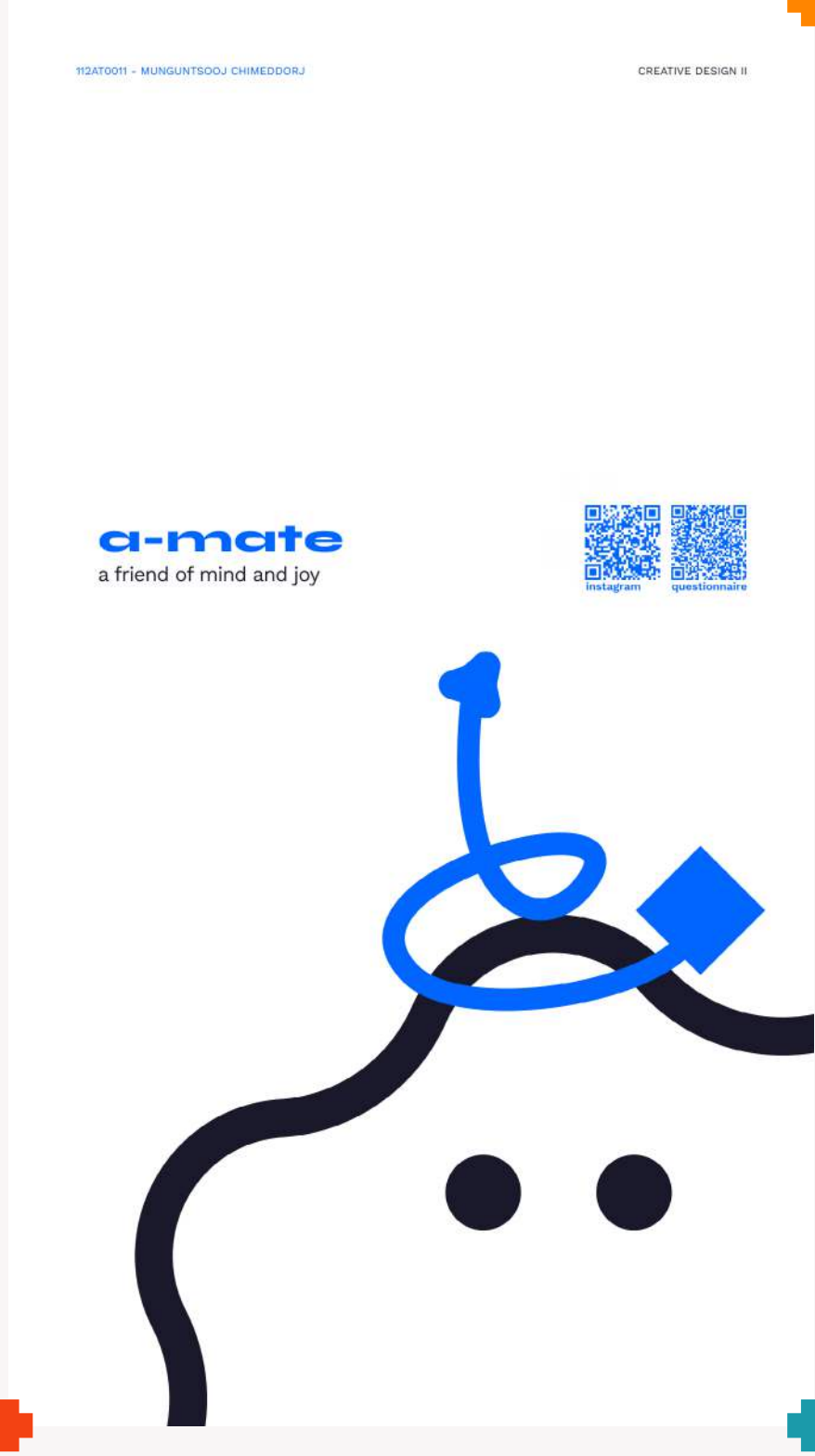
A-MATE

ABOUT

A-Mate is a **one-button** meditation app created around the theme of “**vibe.**” The app focuses on reducing visual and cognitive overload by using a minimal interface built with only a few **calming colors** and **a single interactive gesture-based button**. Instead of complex menus or settings, users control the experience through simple touch gestures, allowing them to pause, continue, or end a session without breaking focus.

Designed with **accessibility** and **simplicity** in mind, A-Mate aims to help users shift into a calmer mental state through intuitive interaction and a distraction-free environment.

POSTER DESIGN



APP UI



BUTTON STATES



The a-mate app uses a calm, minimal design language focused on emotional comfort and clarity. A soft blue color palette was chosen to represent trust, stability, and gentle guidance, supported by neutral backgrounds to reduce visual stress. Rounded shapes, friendly icons, and subtle gradients create a warm and approachable digital experience.

