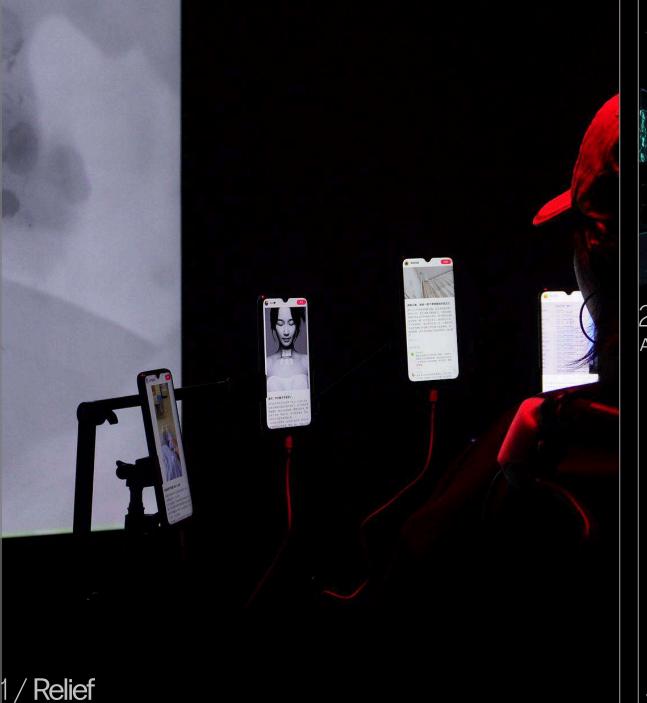
(NOPER)



/ Tracer A Cinematic Video Game of Love, Duty & Sacrifice 3 / Protest





https://noperproduction.com

An Immersive Experience of Cyberchondria

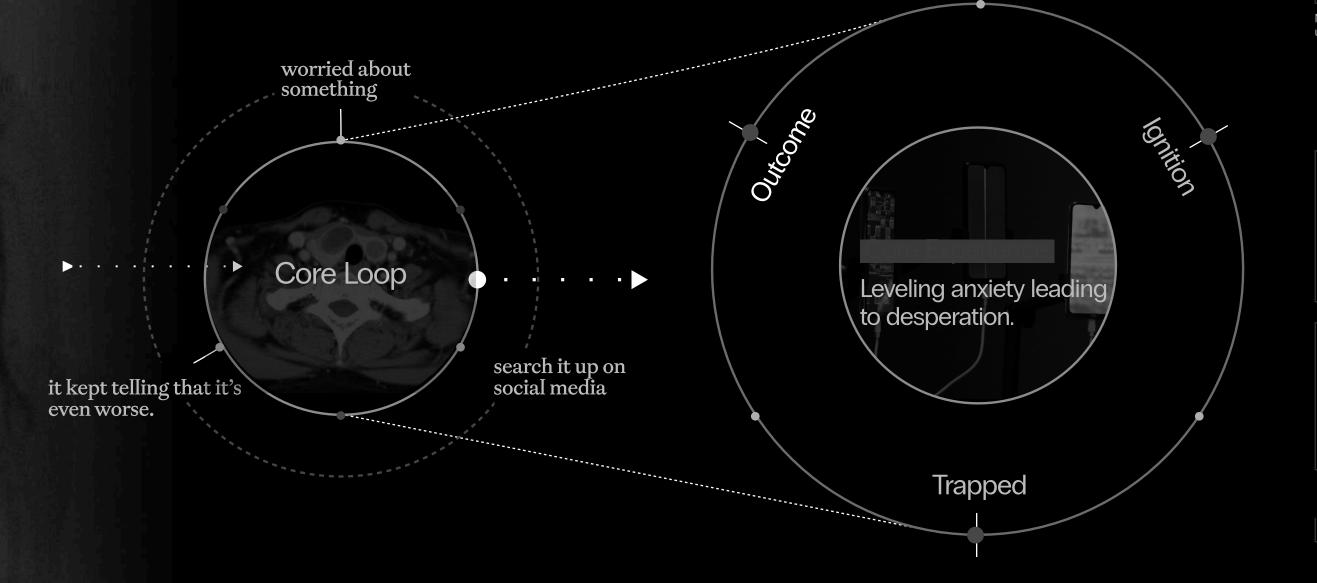
A Strategic Board Game of Modern Conflict



Deconstruction

- Social MediaInduced

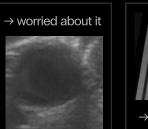
- AnxietyDesperation

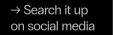




Noticed some uncomfort (call it X)

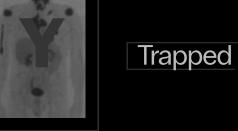






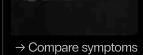


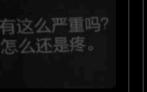
some diseases (call it Y) more threatening.





symptoms of Y







→ Such symptom become the new X and may lead to a new \ that's even worse.

Outcomes

→ One would be desperate, since they would be convinced that they had severe diseases, where as they actually not.

Experience to Recreate

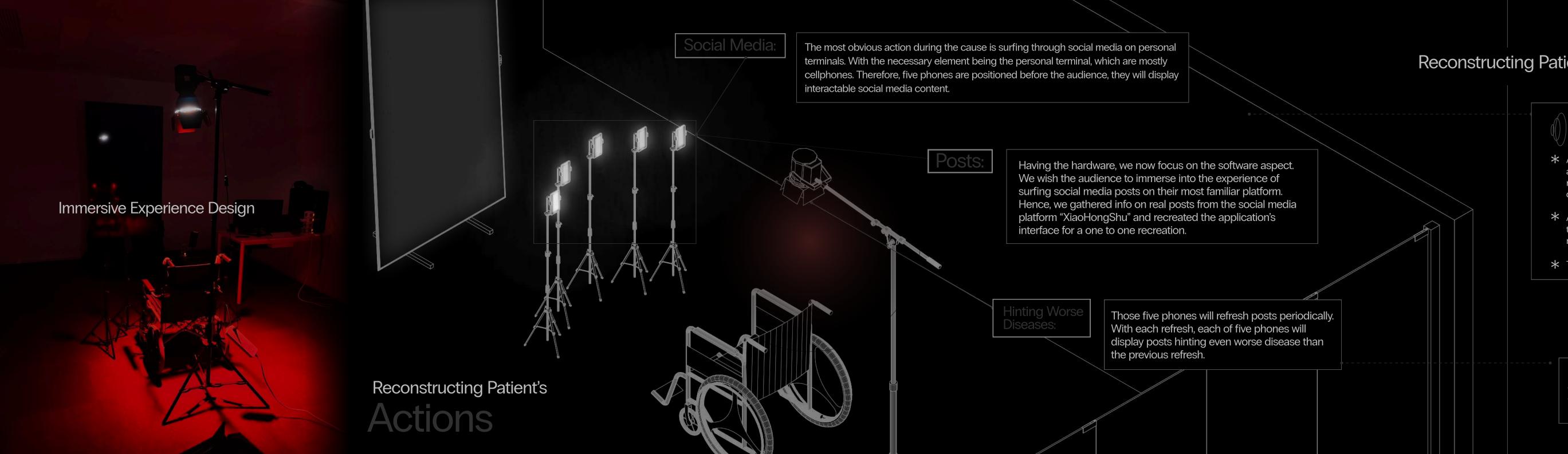
Search on social media posts about some symptom, and refreshing for new posts that hints wrose diseases. During the process, anxiety gradually morph into desperation

Method

We reconstucts the patient as different components of the room, with the audience sitting in the middle. We then immerse the audience as the patient by letting audience do what patient do and feel patient's emotions real-time.

General Setting:

The patient had a symptom, they searching on socia media, yet the algorithm is leading them in beliving they have cancer.



Reconstructing Patient's EmotionS

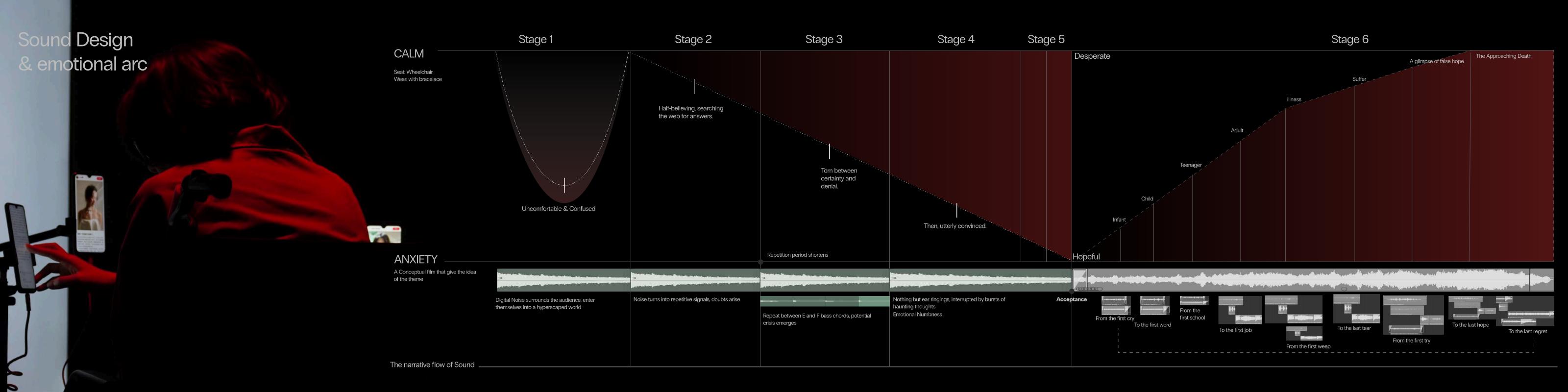


Anxiety:

- * A large screen uprightly positioned in front of the audience displays artificial video content, recreating the patient's abstract silks of thought during the action.
- * A set of duo speakers will play edited audio throughout the process, setting the mood through music.
- * The top red light is for mood setting

Desperation:

With each refresh, each of five phones will display posts hinting even worse disease than the previous refresh.







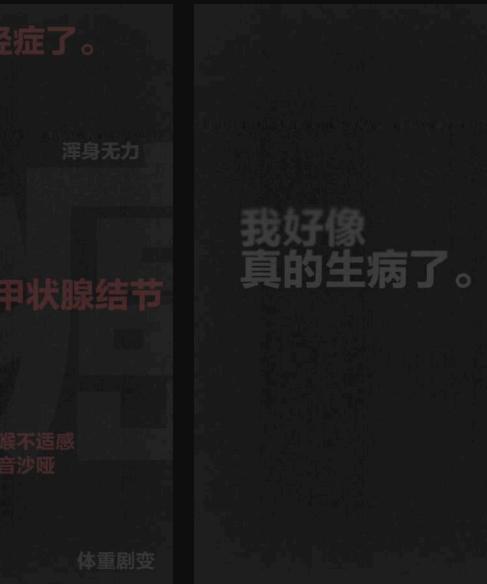


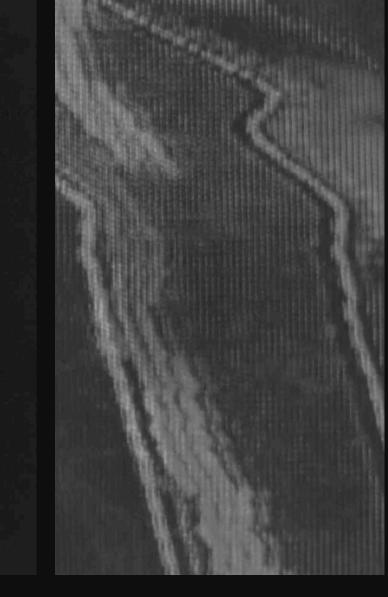


但好像有点肿 为什么还不好



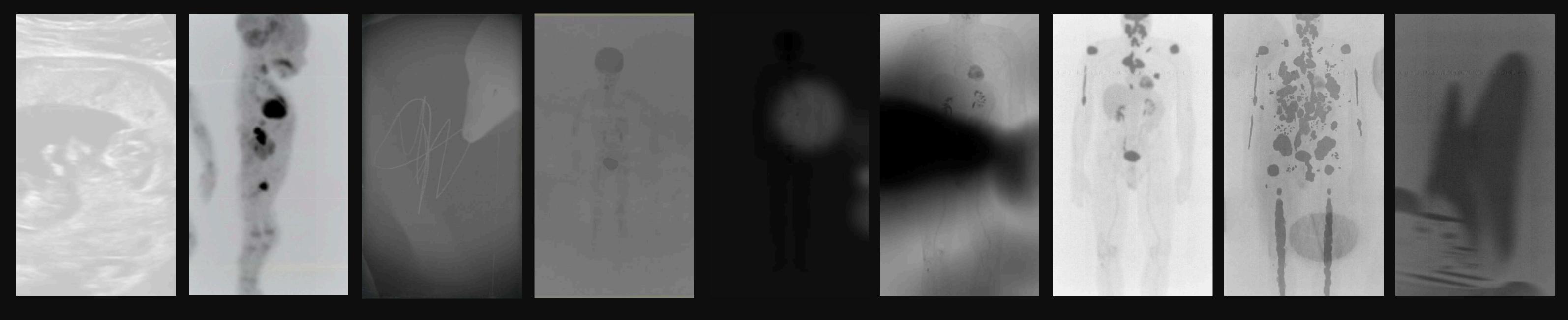






<u>Filmmaking</u>

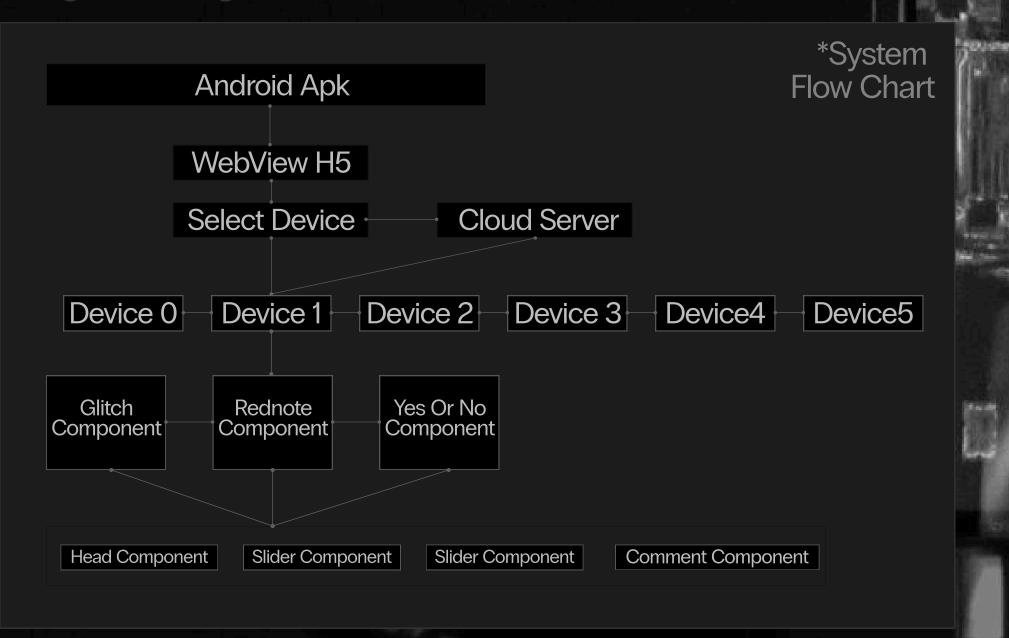
The chinese phrases are the patient's own thoughts when trapped by social media. for example: "我好像真的生病了" stands for "It looks like I really got the disease"



<u>Filmmaking</u>

In stage 6, while the patient is imagining their failing treatmentand having a flashback of their life, a PET-CT scan will illustrate the progression of cancer.

Programming



Android App: Build a native Android container to load a web application.

Full-Screen Immersive Experience

```
getWindow().setFlags(WindowManager.LayoutParams.FLAS_FULLSCREEN, WindowManager.LayoutParams.FLAS_FULLSCREEN
```

Advanced WebView Configuration

```
webView.setWebViewClient(new WebViewClient())
```

Server: A WebSocket-based device status synchronization system built with Node.js.

Full-Screen Immersive Experience Device Status Synchronization Mechanism

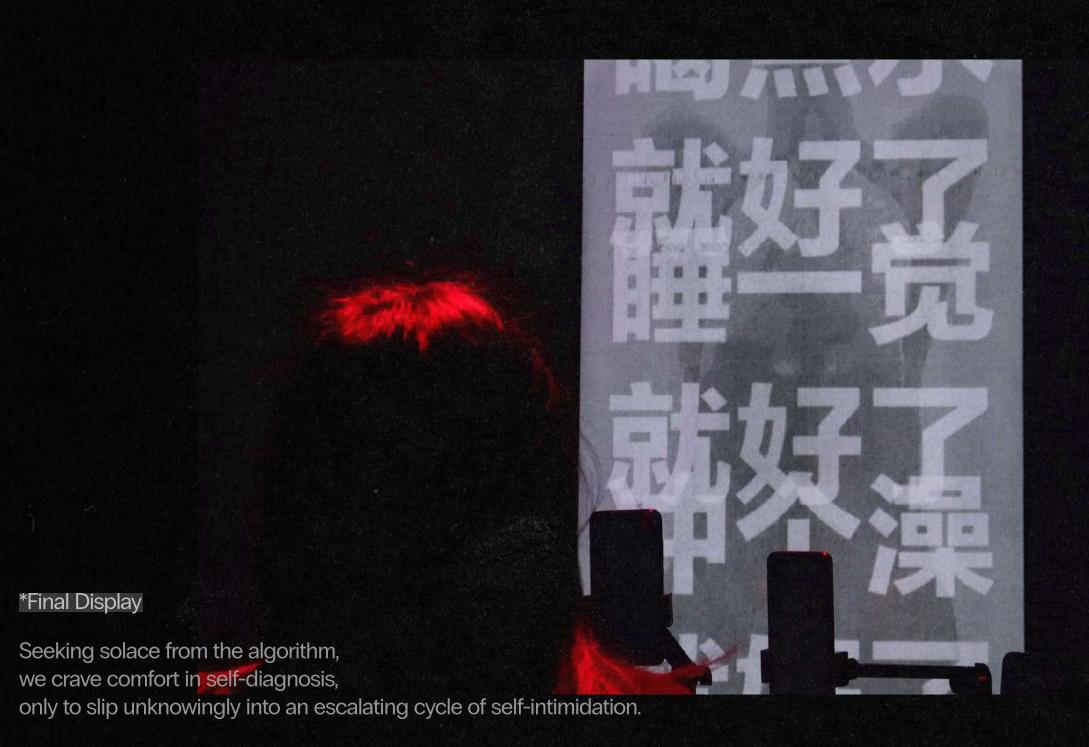
```
let deviceList = |
                                                                 ws.on("close", () \Rightarrow {
  { id: "0", status: "0", yon: "0" }
                                                                   const currentDevice = deviceConnections.get(ws);
   { id: "1", status: "0", yon: "0" }
   { id: "2", status: "0", yon: "0"
   { id: "3", status: "0", yon: "0"
                                                                    var stamp = new Date().getTime() + 8 * 60 * 60 * 1000;
  { id: "4", status: "0", yon: "0" }
                                                                     var beijingTime = new Date(stamp)
   [ id: "5", status: "0", yon: "0" ]
                                                                       .toISOString()
                                                                       .replace(/T/, " ")
const deviceConnections = new Map()
                                                                       .replace(/\..+/, ""
const wss = new WebSocket.Server({ port: WS PORT });
                                                                       .substring(0, 19);
wss.on("connection", (ws) =>
                                                                     console.log("有设备断线了!!", currentDevice, "时间:", beijingTime)
  ws.on("message", (message) =>
    const msgList = JSON.parse(message.toString("utf-8"));
    msgList.forEach((msg) =>
                                                                    if (currentDevice !== undefined) {
      deviceConnections.set(ws, msg.id);
                                                                      deviceList = deviceList.map((item) => {
                                                                        if (currentDevice === item.id)
                                                                          item.status = "0"
  ws.on("message", (message) => {
                                                                           item.yon = "0";
    const msgList = JSON.parse(message.toString("utf-8"));
    deviceList = deviceList.map((item) =>
                                                                         return item;
      msgList.forEach((msg) =>
        if (msg.id === item.id)
         Object.assign(item, msg)
                                                                       wss.clients.forEach((client) => {
                                                                        if (client.readyState === WebSocket.OPEN)
      return item;
                                                                           client.send(JSON.stringify(deviceList));
    wss.clients.forEach((client) =>
      if (client.readyState === WebSocket.OPEN) {
        client.send(JSON.stringify(deviceList))
```

Client: Built with Vue 3 to support multi-device collaborative interaction.

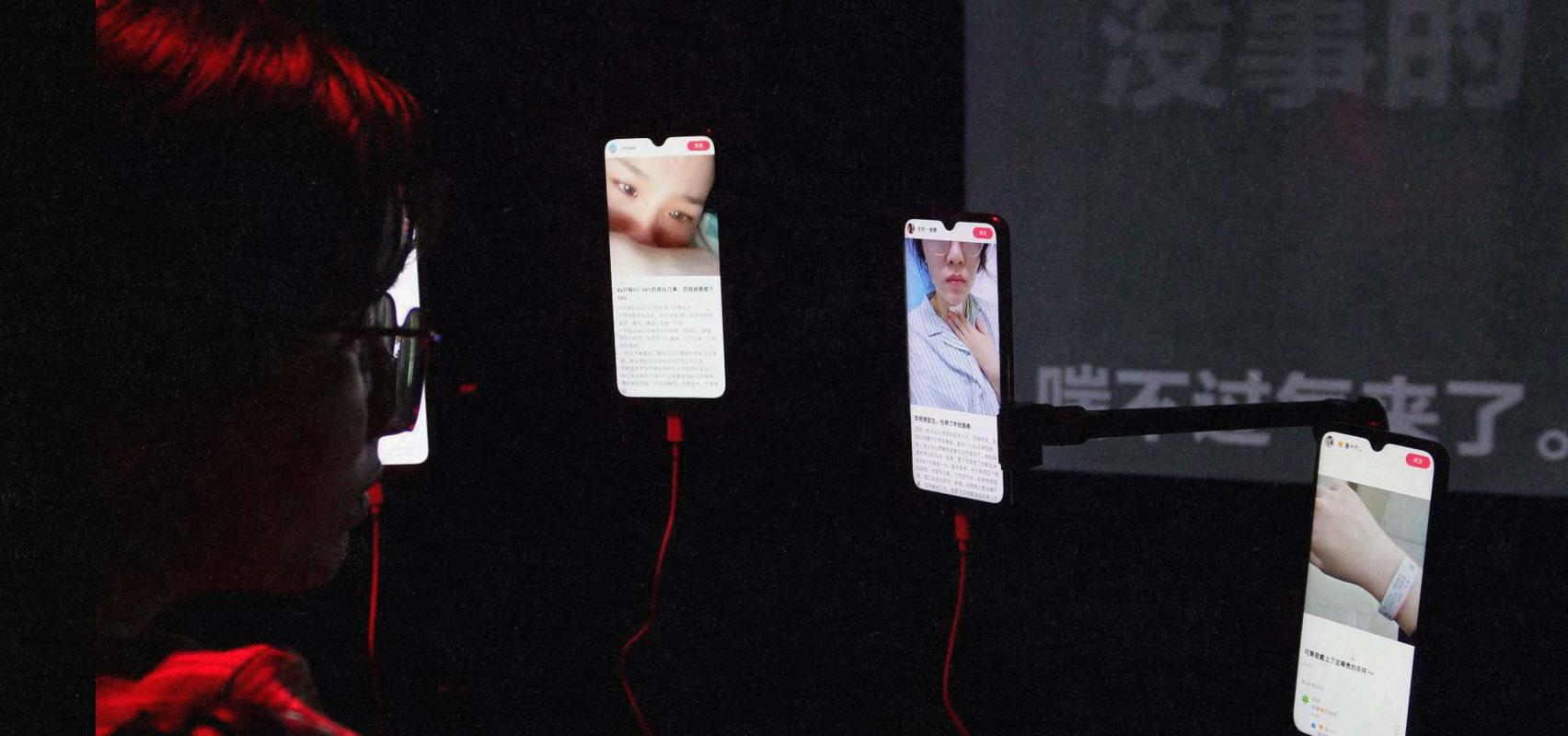
```
.onmessage = (event) => {
                                                                                                                                     class="auth-name">{{ comment.commentName }}<
  onst data = 350N parse(event data)
                                                            const diXHSIdList = ["1", "2", "5", "10", "15", "21"];
                                                                                                                                     / class="auth-content">{{ comment.commentContent }}
   (data[0].status --- "2"
   startCountDown()
                                                                                                                                   @click="showMask(comment.commentImg)"
                                                                                                                                  <img:src="comment.commentImg" alt = "" />
                                                               onst pageXHS = ref(d1XHSIdList[0]);
   isSelectNo.value = true;
                                                                                                                                 div class="auth-date">{{ comment.commentDate }}</di
   (data[1].status === "200")
  blackFullMask.value = true
                                                              :xhsId="item.id"
  else if (data[1].status === "202
                                                              :authImg="item.authImg"
                                                               :authName="item.authName
                                                                                                                               function showMask(img) {
                                                              :sliders-"item.sliders
                                                                                                                                  const mask = document.createElement("div");
                                                               :noteTitle="item.noteTitle
                                                                                                                                 mask.classList.add("mask-img");
                                                              :noteDesc="item.noteDesc
                                                               :noteDate="item.noteDate
                                                                                                                                  mask.innerHTML = `<img src="${img}" alt="" />`;
  isSelectNo.value = fals
                                                               :comments="item.comments
                                                                                                                                  document.body.appendChild(mask);
  xhsMask,value = true
                                                                :commentCount-"item.commentCou
                                                                                                                                  mask.addEventListener("click", () =
  videoRef.value.currentTime =
                                                             @xhs-select-no="handleXhsEmit
   videoRef value nause()
                                                                                                                                   document.body.removeChild(mask);
                                                               :currentDevice=""
catch (error) (
                                                            v-if="comment.commentLikeImg ==
                                                                  ding src "Doglike" alt-
                                                                  span-{{ comment.commentLike }}
                                                                    else @click-"comment.commentLikeImg - 0" class-"
                                                                 ting :src-"Inglikeed" alt-
                                                                  purp [[ --coment.comentLike + 1 ]] /
```

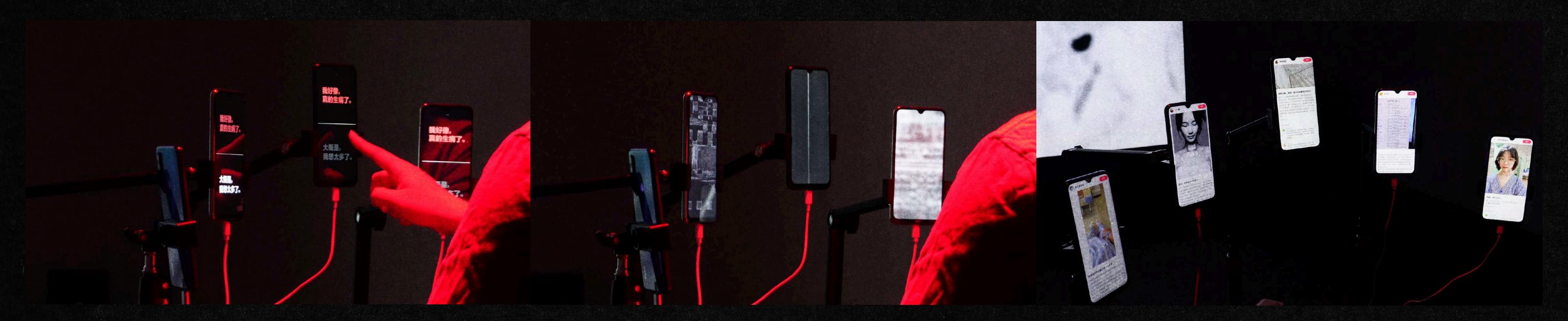
 $\label{eq:const_level2Comments} $$ \operatorname{Array.from}(& \operatorname{length: props.commentCount - list.value.length}), \\ (, 1) \Rightarrow \operatorname{photopool}((i + list.value.length) & \operatorname{photopool.length}] $$$

link: video for the full flow



we crave comfort in self-diagnosis,

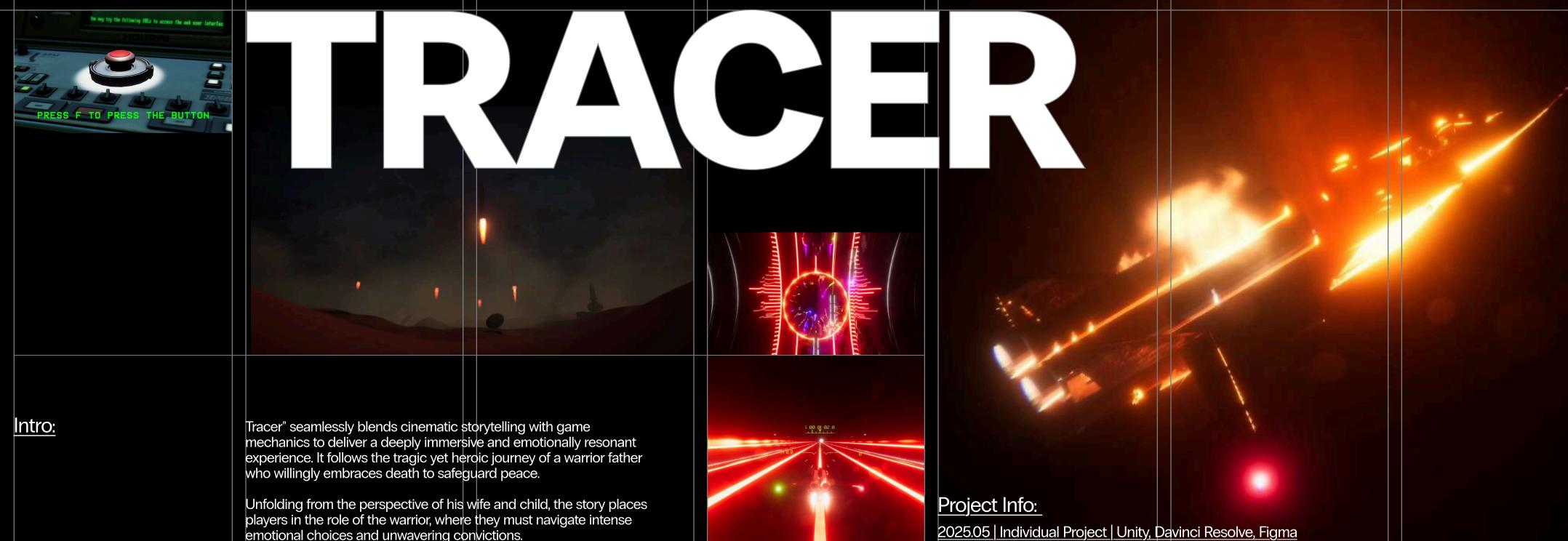


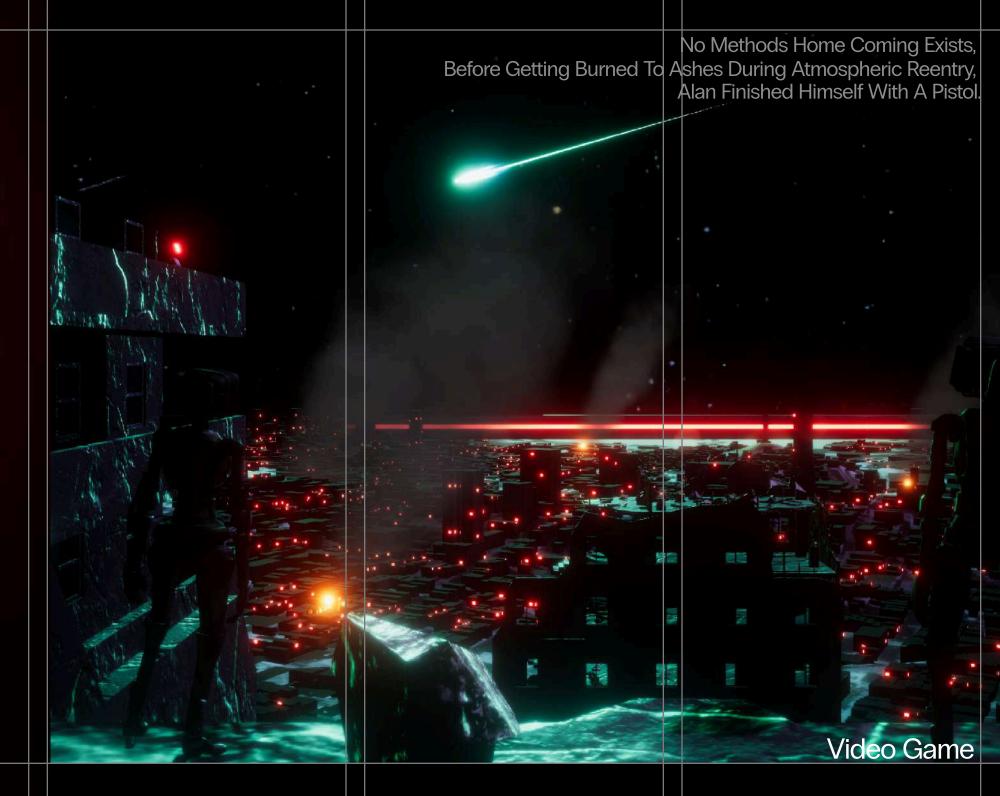


A self-fulfilling prophecy unfolds:

— each click reshapes our cognitive landscape,
as vague discomfort mutates into vivid visions of impending doom.







Unfolding from the perspective of his wife and child, the story places players in the role of the warrior, where they must navigate intense emotional choices and unwavering convictions.

Preface

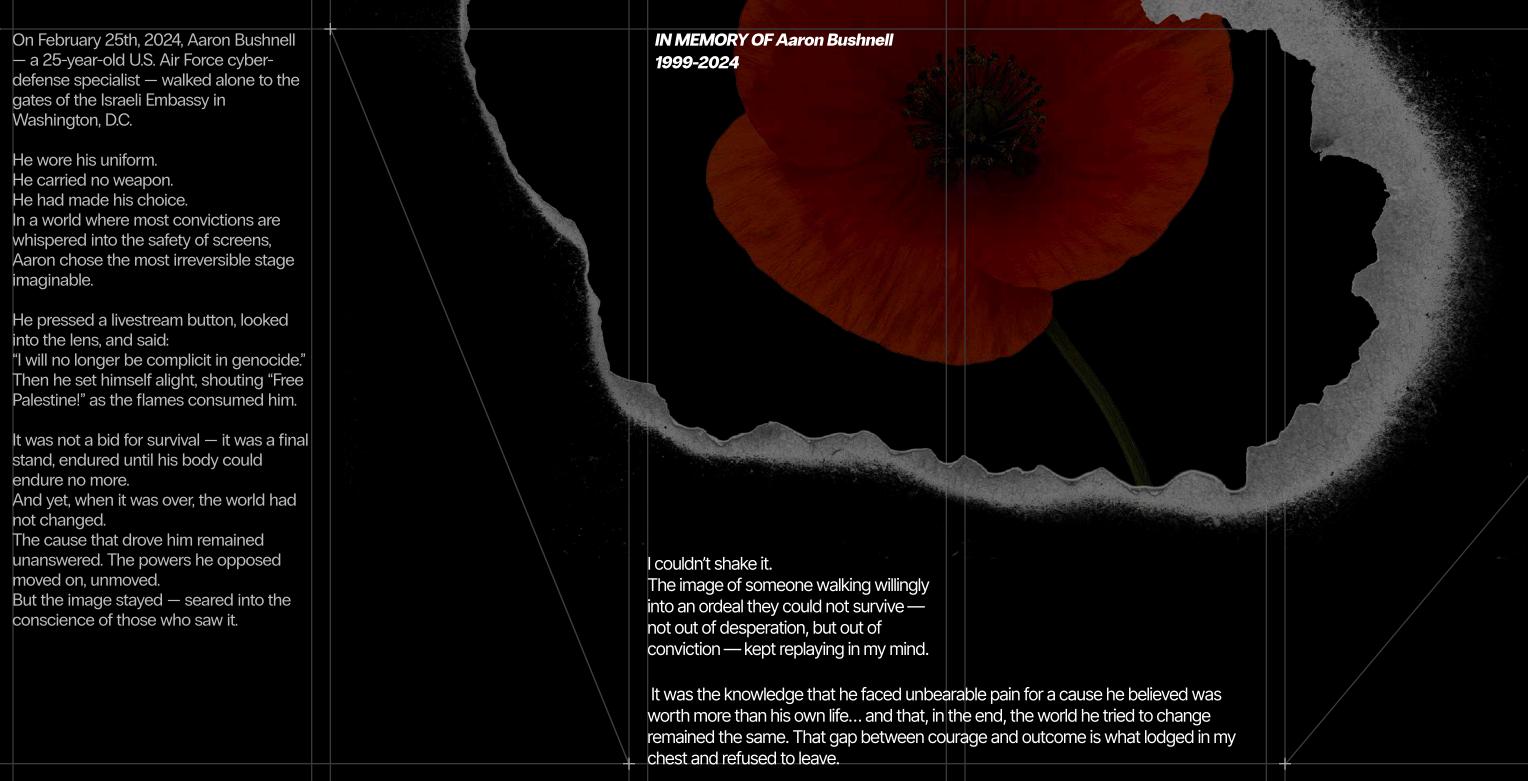
On February 25th, 2024, Aaron Bushnell – a 25-year-old U.S. Air Force cyberdefense specialist — walked alone to the gates of the Israeli Embassy in Washington, D.C.

He wore his uniform. He carried no weapon. He had made his choice. In a world where most convictions are whispered into the safety of screens, Aaron chose the most irreversible stage imaginable.

He pressed a livestream button, looked into the lens, and said: "I will no longer be complicit in genocide." Then he set himself alight, shouting "Free Palestine!" as the flames consumed him.

stand, endured until his body could endure no more. And yet, when it was over, the world had not changed. The cause that drove him remained unanswered. The powers he opposed moved on, unmoved. But the image stayed — seared into the

conscience of those who saw it.



This matters to me because I was in Toronto, photographing Gaza protests.

I saw grief etched into faces, heard voices worn thin from shouting, and witnessed images of suffering so raw they stayed with me.

In those moments. I understood why someone might give everything to try to end it.



In memory of Aaron Bushnell—and in sorrow that such a profound sacrifice seemed to change so little—I began TRACER. Because Aaron served in the Air Force, the story is told through jets: an interceptor holding the line.

In TRACER, that uniform is given agency; endurance doesn't vanish into silence—it reshapes the world.

Deconstruction

Before TRACER could be built, I

What makes certain moments of

sacrifice unforgettable — in life, in history, in fiction? To answer that, I

had to strip these moments down to

their bones and study the structure

of story hits so hard.

underneath.

needed to understand why this kind

Adron Bushnell — A U.S. Air Force serviceman who set himself on fire outside the Israeli Embassy in protest of the war in Gaza, enduring until death for a cause he believed in.

*Cause

The driving reason that makes the risk worth taking.

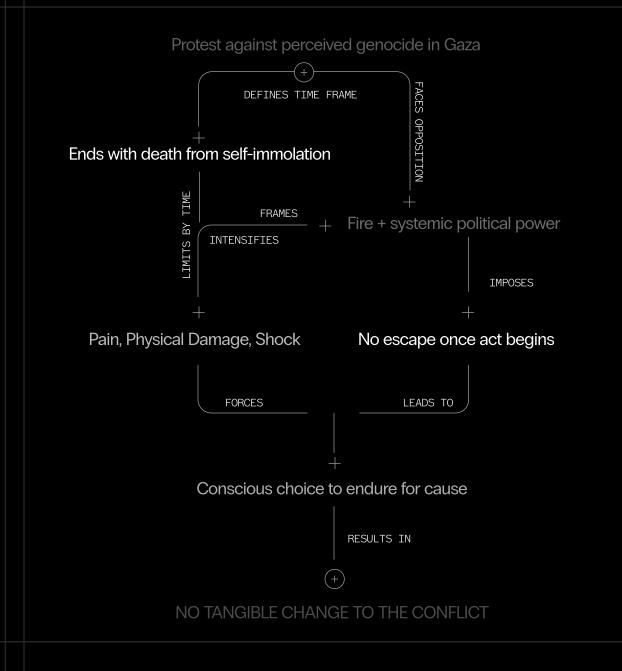
Identify and abstract the key elements:

Reconstruction THROUGH CINEMATIC GAMEPLAY DESIGN

player has the power to

change the outcome.

final outcomes



*Finite Survival Window

The set span of time the ordeal must be endured.

*Asymmetric Power

The overwhelming force arrayed against the protagonist.

*Escalation Curve

The final result, whether victory or failure.

*Constrained Agency

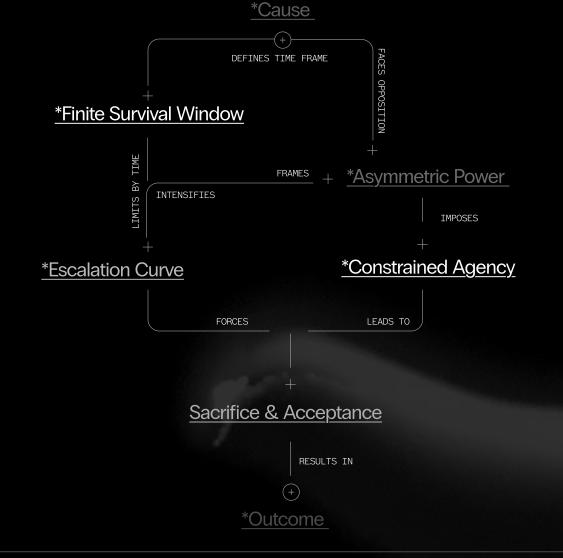
.The limitations on what the protagonist can do.

*Outcome

The final result, whether victory or failure.

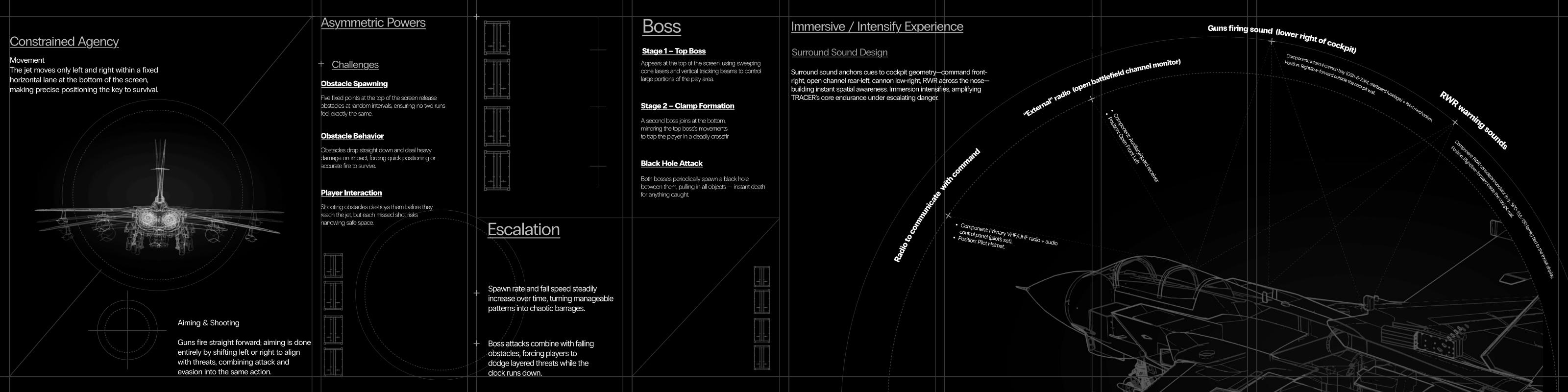
Sacrifice & Acceptance

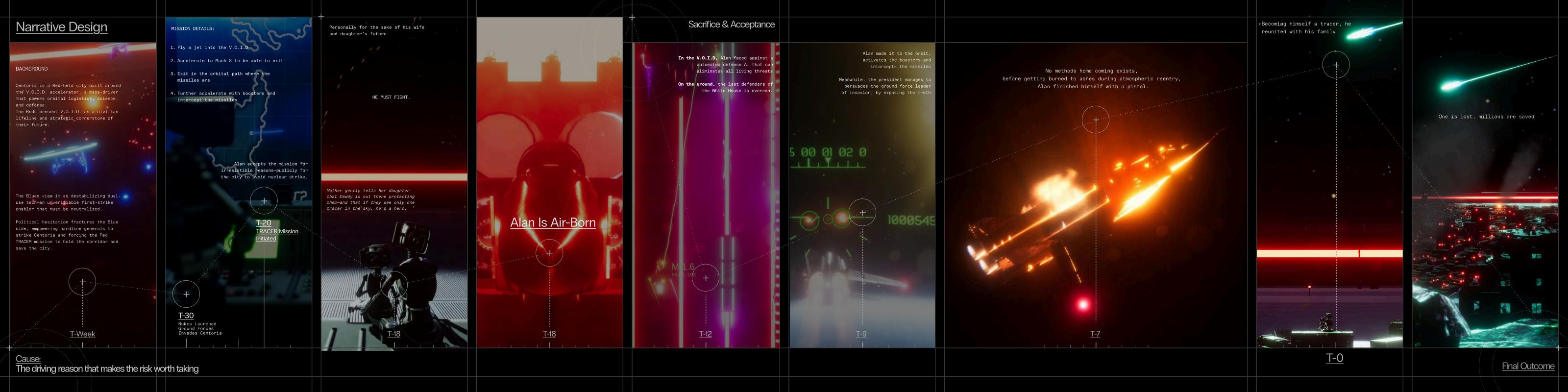
The embrace of personal loss for the greater goal.



For immersiveness, Each element can be reflected either mechanically or narratively, with some elements intersecting both

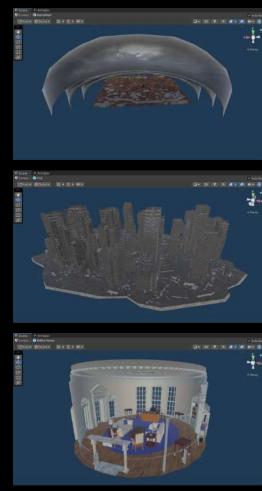


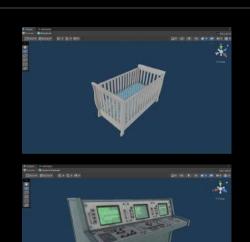


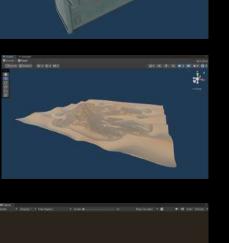


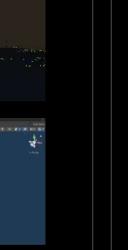


3. Other Materials From Assets Store









But Come G. Selfe

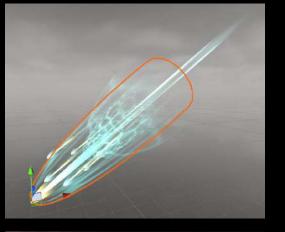
4. Animation



Page Storm Souther Work

4. VFX Assets & Adjustment

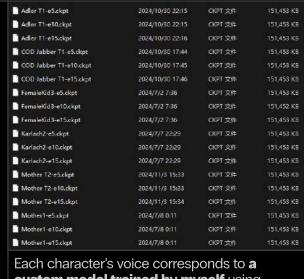




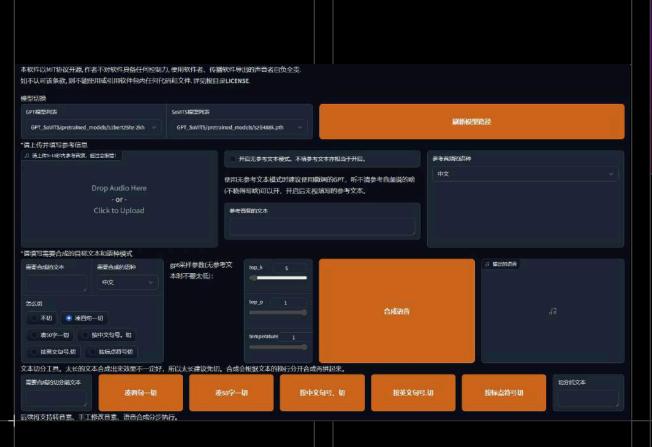


Al-Generated Voiceover

The voice lining in TRACER is done through an open source neural network model called "GPT-SoVITs".



custom model trained by myself using existing data online.



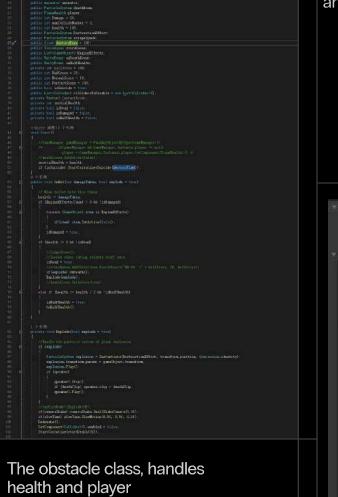
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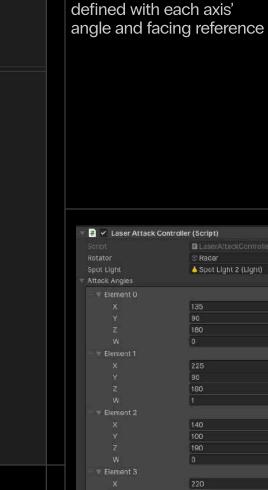
(Collector more record based on NRP and best a spanished at 1600 / NRP * BoatPerfeats.

/fighteether. Eq.(10) 27.

if (characterise translation for all Think characterists) if (characterise translation for the first (characterise translation for the first (characterise translation for a characterist (characterise translation for a characterist (characterise translation for a characterist (characterist (charac

articleSystem accapeSpack look deptorySing - 10:





Tracer Angles

Bosses attack score,

Spot Light 2 (Light)

■ SlowTimeManager (Slow Time)

0 # 1

Handle boss laser attack according to given attack score

Handle boss movements

all attractable objects

gumaCbject_SctActive attractable.OnDestroyed - Handle&ttractableDestroyed attractableNiests.Remove(attractable): Handle the black hole objects behaviour, it attracts

Hazing Unitytingine.

toward its center

(Alexi, where v in continuous v in Journal and tree v in Justinus transitional and Labrary in Current and Property v in Francis Interest. Furnishes Science Analysis view v in Fig. Representation of Paperty. The attractable class, all object with object to the black hole

this class becomes an attractable

Production: <u>Programming</u>

sync with music

For spawning obstacles in

interactions with it

Production: **Programming**

```
Handle player movements, and
invoke series of events when
moving(eg. vfx)
```

```
AudioSpectrum is the engine of all audio sync elements, it retrieves the current active audio data from Unity
```

using System Collections, using UnityEngine,

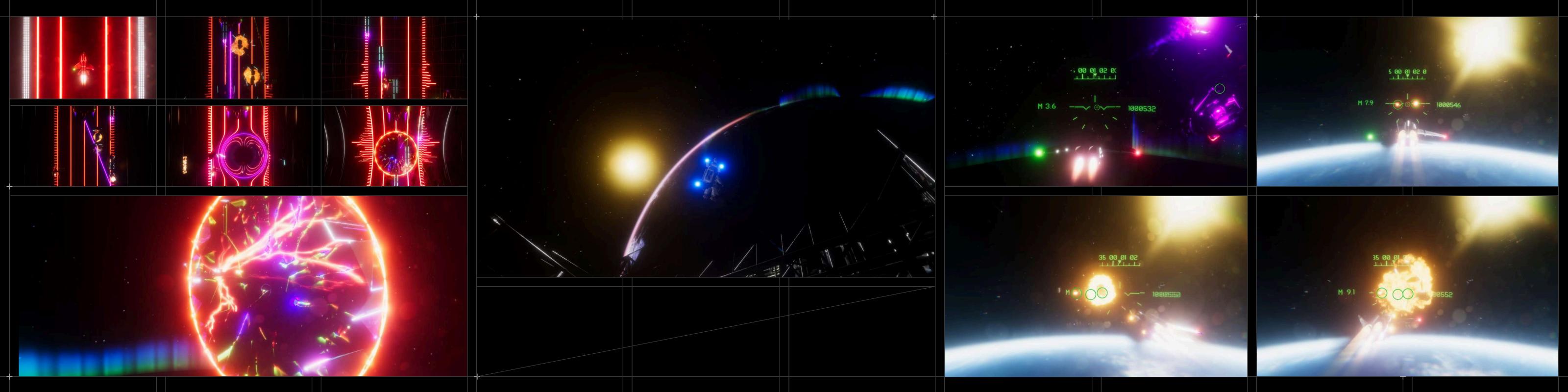
public static float ppectrunValue [set; private set;]

// Daity fills this up for us private float[] n_audicSpectrum: To make the background lines show up and fades according to the drums in the music









With the band soleness shows as a solen for the soleness shows as a solen for the soleness shows as the soleness for the soleness satisfaction in soleness satisfactions s

PEGE

BOARD GAME

<u>Intro</u>

PROTEST is a turn-based, competitive board game set in near-modern Eastern Europe, where 2 players take on the roles of protesters or police. The gameplay revolves around tactical decisions, with each side making strategic movements and actions. Protesters aim to storm the town hall with a large crowd, while police strive to prevent this by making arrests. Both sides have unique, progressively powerful actions as they advance. The game features intense strategy, evolving capabilities, and high-stakes confrontations, providing a thrilling and dynamic experience.





Contents

Protest Leader Unit x1 Crowd Unit x64 Police Car Unit x2

Police Station Token x1 Town Hall Token x1

D12 Die x1

Protester Action Cards x20 Police Action Cards x20 Map x1 Detention Cell x1

Rulebook x1

Project Info

2024.07 Board Game: Figma, PhotoShop, Davinci Resolve

Rulebook

SETTLEMENT AND WINNING CONDITION

Protester

1 Crowd Absorption: If in a round, a crowd unit is an edge neighbour to the protest leader along the path that the protest leader had took within that round, that crowd unit will join the protesting crowd as the tail of the line. There can be up to 12 crowd units in the protesting crowd.



Winning Condition: If in a round, if the protesting crowd had 8 crowd units(excluding the protest leader), and the protest leader's path steps through/on a non police occupied town hall, protester wins. Police can stay at most 1 turn at the townhall.



Police

1 Arrests: If in any moment, the police car collides with a protesting crowd unit, deduct 2 crowd units from the tail of the protesting crowd. The police adds 2 crowd units into detention cell.

Arrests can be affected by active action cards.





Releases: If the police used an action card in a round, at the end of that round, release 1 crowd unit from detention cell and place it into the crowd bag.

Winning Condition: If in any moment, the police car collides with the protest leader and no action card is affecting arrests, police wins; or, in any moment, the police had 16 crowd units in the detention cell, police wins.



ACTION CARDS

Protester Card Cost

Protester' s can only play cards with a cost smaller than or equal to the amount of current crowd units in the protesting crowd(excluding the protest leader).

Police Card Cost

Police can only play cards with a cost smaller than or equal to the amount of crowd units in detention cell.

*Action cards are used on a depletion bases.

TURN STRUCTURE

At each turn, before making any movements, the player will choose to use a action card or not. If a card is played, the card effect will trigger according to its effect description.

2 Player will make a movement according to their movement rule.

3 Settlements

- The protester will check if the winning condition is met. If not, the protester player needs to calculate the amount of crowd units absorbed within this round.
- The police will check if the protest leader was arrested. If not, the police player needs to calculate if any arrests are made within this round.
- 4 If crowds are absorbed from the map, the protester needs to randomly draw the number of absorbed crowd units from the crowd bag and place them onto the map according to their assigned coordinates.

MOVEMENT

Protest

1 The protest leader must move to a connected road/cross-road/one-way trail block 6 units away. The movement speed can be affected by effects of active action cards.



2 Or the protester can U-turn; swap the protest leader with tail crowd unit of the protesting line, hence facing the opposite direction. Once a swap is made, deduct the new tail crowd unit from the protesting crowds and move to detention cell. No movements can be made if protester choose to swap.

TURN STRUCTURE

- At each turn, before making any movements, the player will choose to use a action card or not. If a card is played, the card effect will trigger according to its effect description.
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MOVEMENT

Prot

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Winning Condition: If in a round, if the protesting crowd had 8 crowd units(excluding the protest leader), and the protest leader's path steps through/on a non police occupied town hall, protester wins.Police can stay at most 1 turn at the townhall.



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Police Card Cost

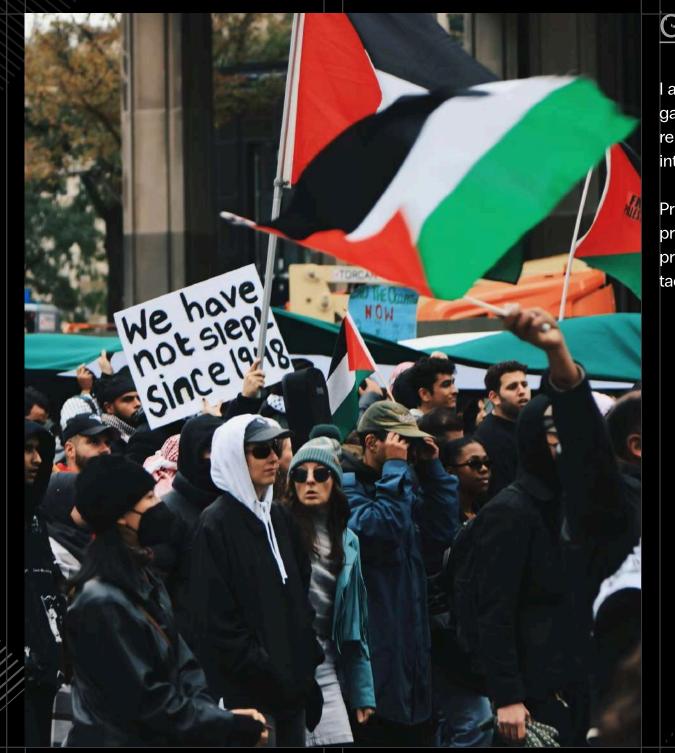
Police can only play cards with a cost smaller than or equal to the amount of crowd units in detention cell.

*Action cards are used on a depletion bases.

Inspiration

The inspiration for creating "REVOLT" came from my personal experiences with the protests that occur every Saturday below my apartment in Toronto. As a photography lover, I would often join the protest crowds to take photos, capturing the energy and emotion of the events.

Being amidst the protesters and observing their strategies and movements gave me the idea to turn these real-life experiences into a board game. I wanted to create a game that reflects the dynamic and strategic nature of protests, allowing players to experience the intensity and tactics involved in these powerful social movements.



Goal To Achieve

I aim to create a tactic-oriented board game featuring an interactive board that represents the city's streets and intricately detailed pawn figures.

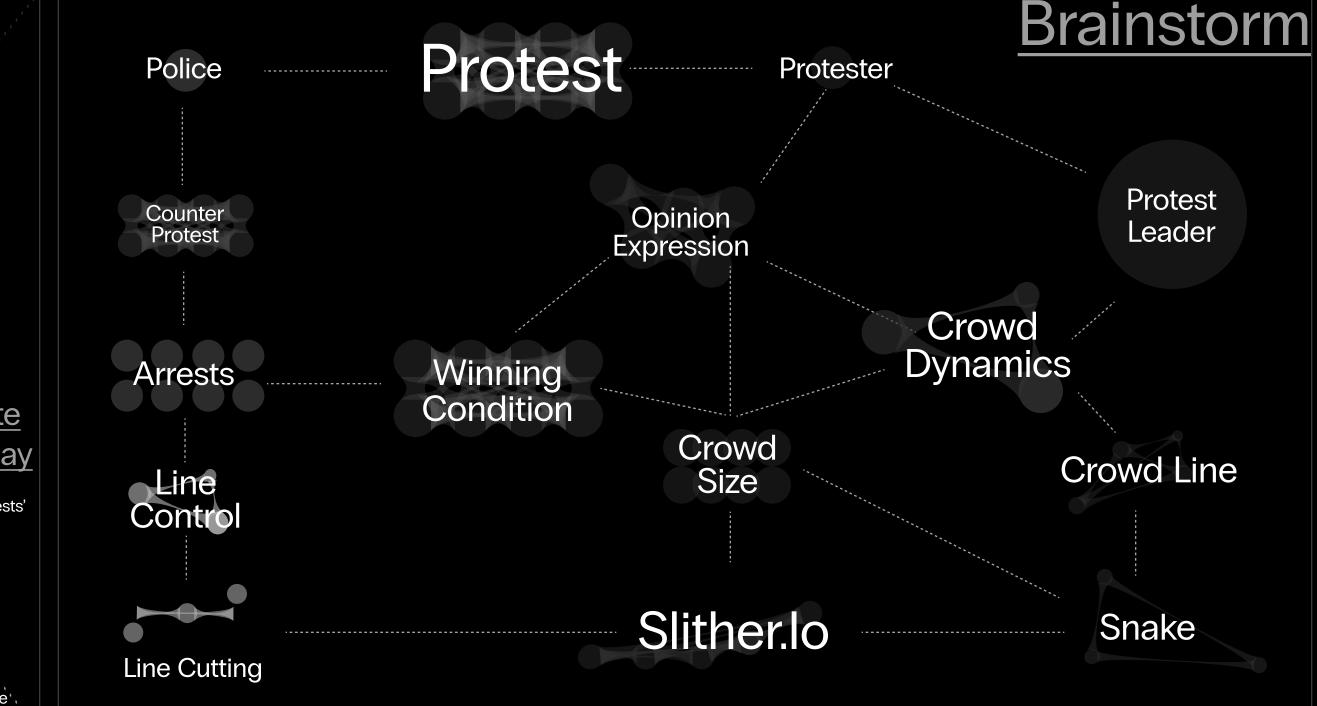
Providing detailed representation for the properties and dynamics of the protesting event through movement tactics.

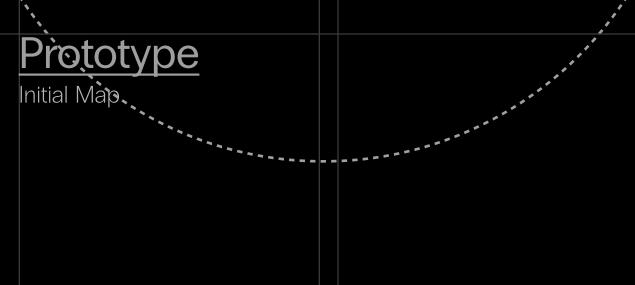
Tension to Recreate in through gameplay

I aim to recreate the complex contests' experiences through this game.

The protesting player should acknowledge the difficulties in the process of expressing their will.

The police should experience the challanges faced while stopping the tide.







Initial Movements

Movement:

Protesters move to connected road/ crossroad blocks.

Speed Formula:

Speed= Clamp[2,7]

(Initial Crowd Units-Current Protester Units)

Key Effect:

More protester units → slower speed; fewer protester units → faster speed.



The protest leader moves first, and all other crowd units follow along the exact

Police can move between connected cross roads, the movement speed is

Initial Map Settlements



Whenever the protest leader

and trigger its effects.

Isomorphic to the elimination

of impact.

the game is over.

mechanism of Slither.io, when the

police collides with a non-protest

leader protesting unit, the protesting line will be cut off from the location

Whenever the police collides with

the protest leader, police wins and

became a neighbor of a crowd unit, that crowd unit will join and became

the new tail of the protesting line.

Whenever the protester or the police

became a neighbor of a event block,

a event card will be drawn at random

Player Unit Settlements





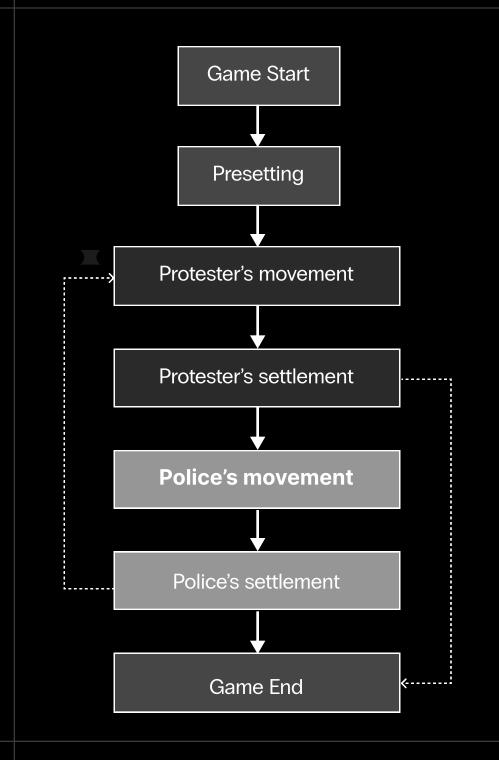
Core Objectives

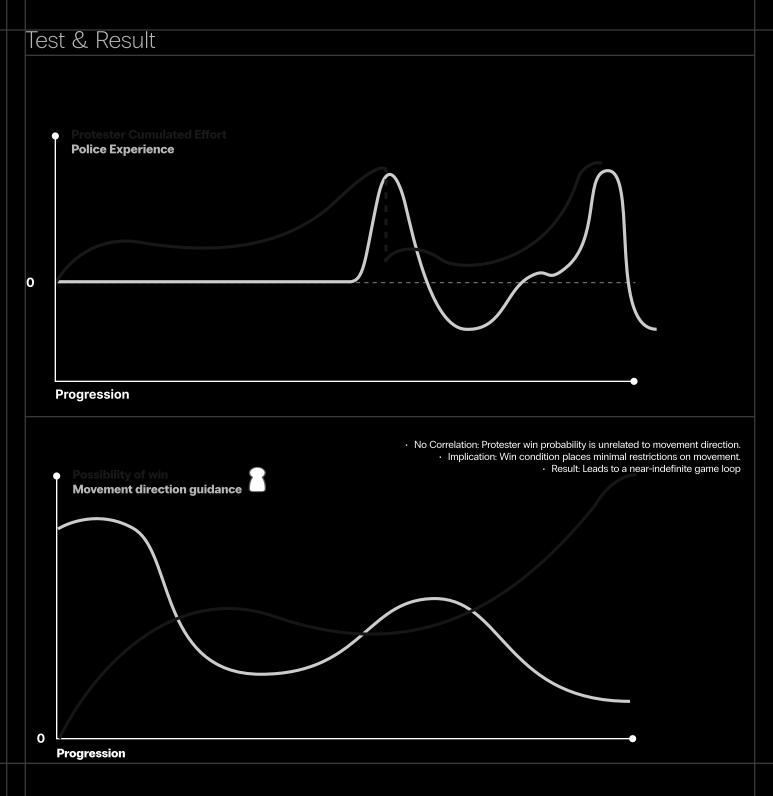
The protester's objective is to reach 10 crowd units in the protesting line at any moment of the game, while he police's objective is to arrest the protest leader at any moment of the game.





Current Game flow





Protester Movement (Slither.io style inspired):

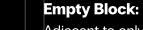
path the leader took.

fixed at 1 crossroads.

Prototype Version 2.0 Updates

The final map is composed by 13 x 13 blocks, where each block gets assigned a type according to their

neighbor compositions.



Adjacent to only one road block or diagonally to a crossroad, not a one-way bridge. Road:

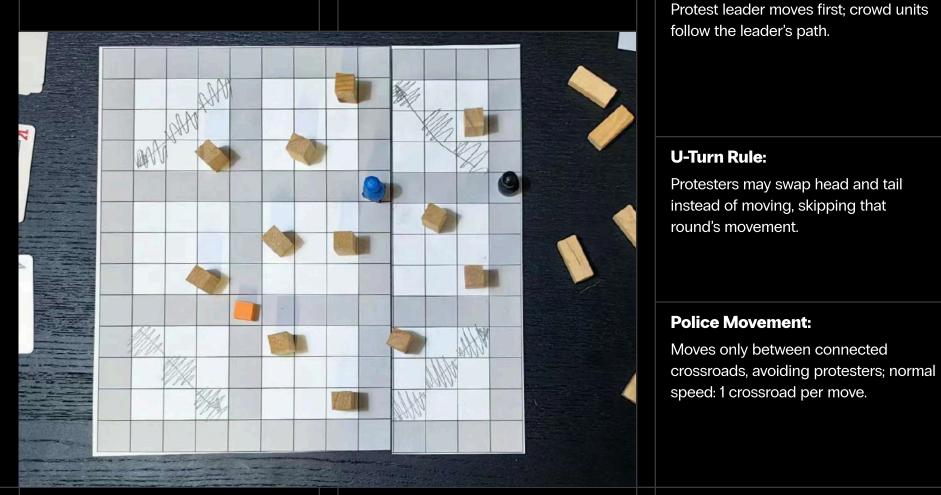
Connected to blocks on one or opposite sides.

Crossroad:

Connected to multiple road blocks from different sides.

One-way Bridge: Fixed-location block.

Town Hall: Protester-selected crossroad.

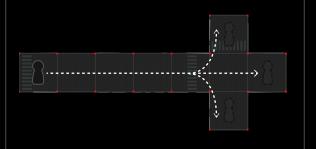


Movement Rule:

Movements

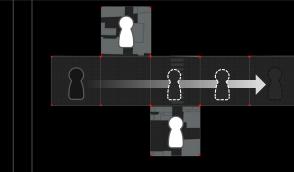
Protester Movement:

Can move up to 6 connected blocks (road, crossroad, or one-way bridge); speed may increase via action cards.



Map Interactions

Whenever the protest leader became a neighbor of a crowd unit, that crowd unit will join and became the new tail of the protesting line.





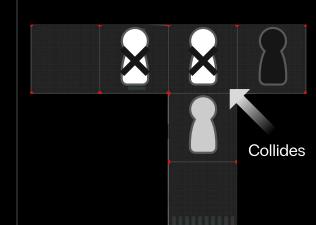
When any player steps on a one-

way bridge, that player can only

move towards the indicated

direction of the bridge.

Hitting a non-leader removes 2 protester units to detention.



Turn Structure

Skill Phase:

Before moving, players may optionally play one affordable skill (consumed on use).

Police Action Cards x20 ----



Action Cards

Triggers!

Events as Skills:

Events become playable skills with costs, calculated differently for protesters and police.



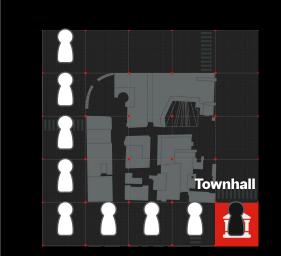
Protester Skill Limit:

May use skills with cost ≤ current protester unit count.

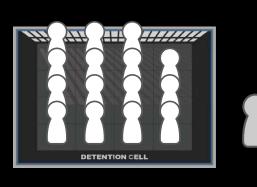


May use skills with cost ≤ current protester unit count.

Core Objectives



The protester's objective is to cross-over with the town hall while maintaining at least 8 crowd units.

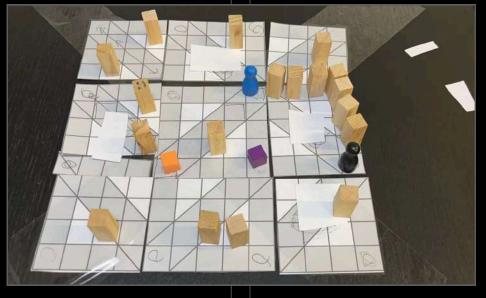


The police's objective is to arrest 16 crowd units or arrest the protest leader.

Test & Results



The U-turn diminishes the police's efforts of constructing a check-mate situation, while it effectively costs none to protesters.



Also, we noted that the protester would U-turn if and only if a checkmate situation if formed.

Further Test

The protesters' speed is **s**=6. The protest leader's distance to the next crossroad is d, which can be 0, 1, 2, 3, 4, or 5.

Constraint:

d cannot exceed 5; otherwise, the protesters would either reach or pass the crossroad after moving, placing them out of the police's reachable range.

Assumption:

The police can reach that crossroad in the upcoming round.

Key conclusion:

If the protesters' team has as many or more crowd units than the difference between their speed and the current distance (s-d), then at least one of those units will collide with the police.

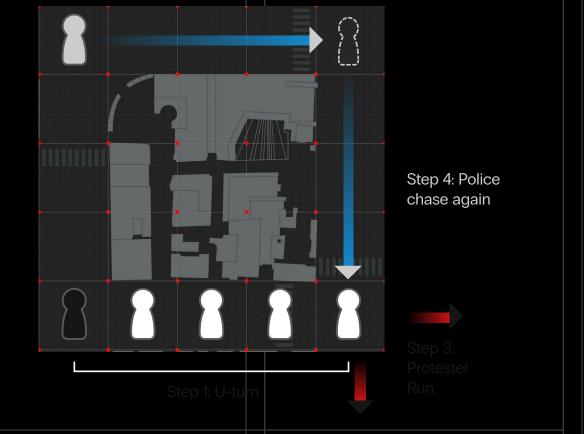
d	5	4	3	2	1	0
s-d	1	2	3	4	5	6

Notice that we omitted the d = 6 case here, since that would cause a collision between the police and the protest leader, we assumes that our player is generally making rational decisions here.

Let P₂ be the probability that the protesters having more or equal to 5 crowd units. We know that the protesting crowd can hold up to 12 units, and there are 7 cases achieving conditions of P_2. Therefore, it is obvious that P_2 is at least less than or equal to 7/12.

If protesters U-turn, collisions occur only with over five units or when cornered. Making a U-turn cost two units balances this but reduces police impact, as U-turns currently serve unintended roles.

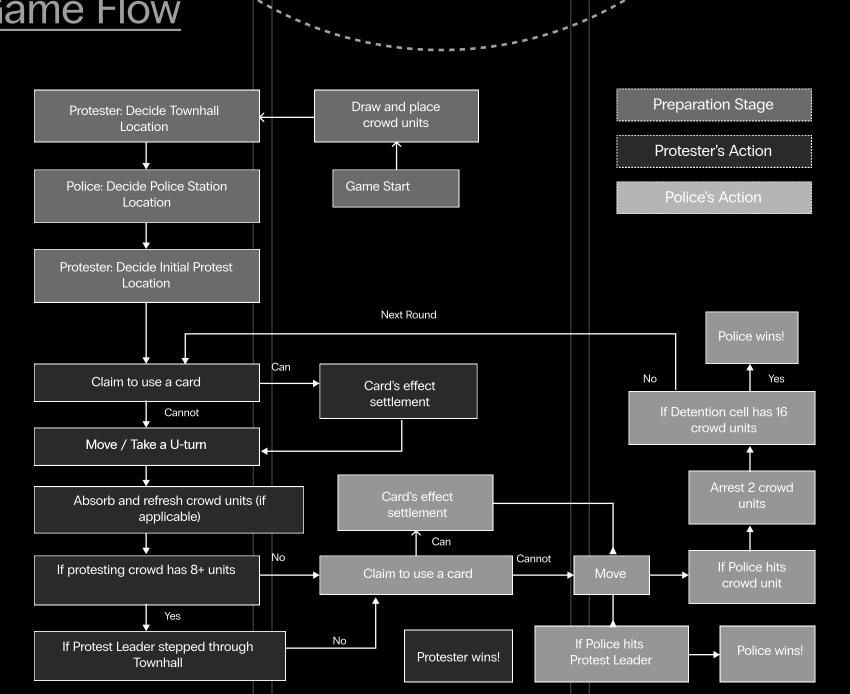
Step 2: Police Chase



Probability analysis of police colliding with protesters:

P1 = P(Police forms a check-mate situation) <= 4/16 <= 1/4 P2 = P(Protesters had more than 5 units) <= 7/12=> P(P_1 Intersects with P_2) <= 1/4 x 7/12 P(P1 Intersects with P2) <= 7/48 <= 14.583%

Game Flow



Visual Planning: The soviet-style

Original Idea:

For the "protest" theme, I want to show its harsh reality through irony — using a light, comic-style art to tell a heavy story, creating contrast and revealing the game's darker side.

Further Thoughts:

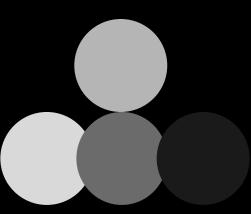
However, I later felt that such a serious story shouldn't be presented in a playful tone. Players should understand right away that this is a deeply serious board game. That's why I chose the Soviet-Style 'Hardcore' Aesthetics.





Aesthetic & Execution

Blue: the police Red: the protesters.



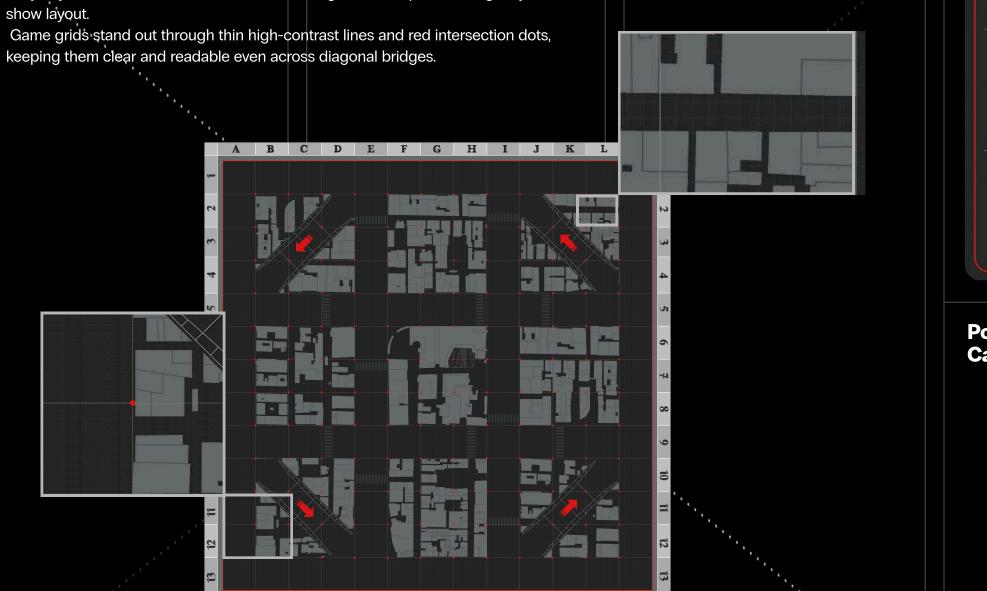




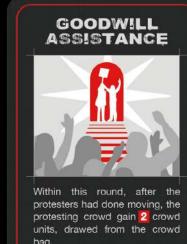
PROTESTER

POLICE

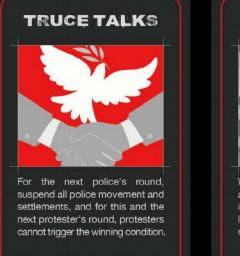






















41





Protester

Action Cards

Accent Color 'Sniping

Dots, Lines, and Shapes

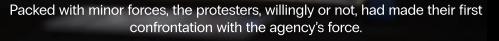
M T K 1 I H C L E D C B V

The Outcome&Gameplay Demonstration











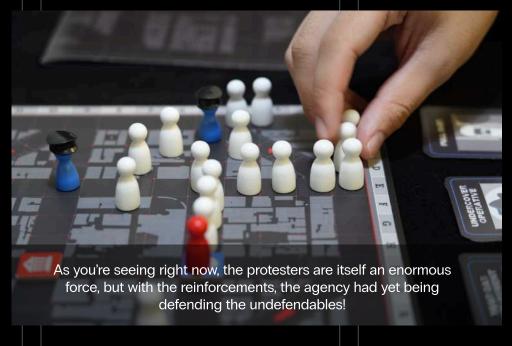
With the protesters hitting rocks with eggs, we have confirmed arrests by the police!



The situation is escalating rapidly, the protesters are drawing more following, where the police is making more and more arrests.

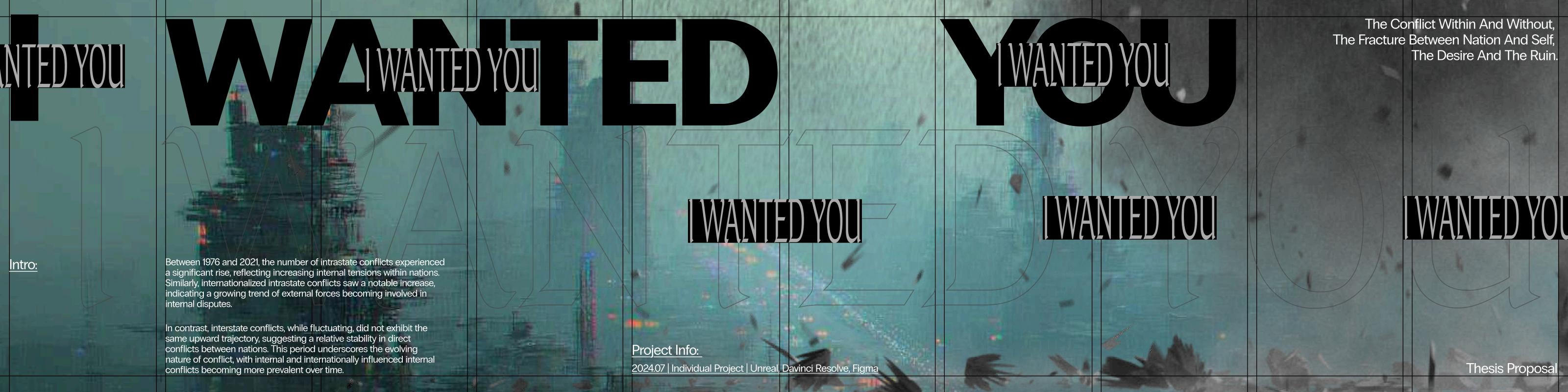


A informed source tells that in response to the massive number of protesters threatening charging towards the townhall, the agency had decided to reinforce the police with backup units!











A father holding up his healess son, which lost his life to bombardment

"I know not with what weapons World War III will be fought, but World War IV will be fought with sticks and stones."

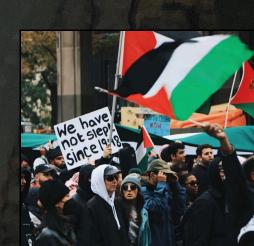




When Images Speak the Truth:

During my time photographing protest events in Toronto against the humanitarian atrocities in Gaza,

I witnessed a profound and heart-wrenching display of human suffering. Among the most harrowing sights were the countless horrifying images depicting the casualties—innocent civilians and children, their lives abruptly and tragically cut short. These images, raw and unfiltered, brought the brutal reality of the conflict into sharp, unignorable focus.



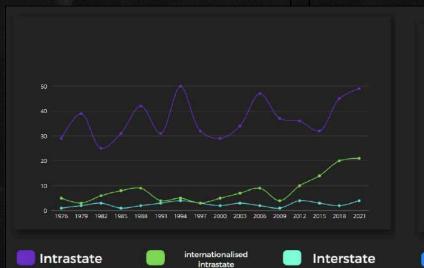
Starting Points

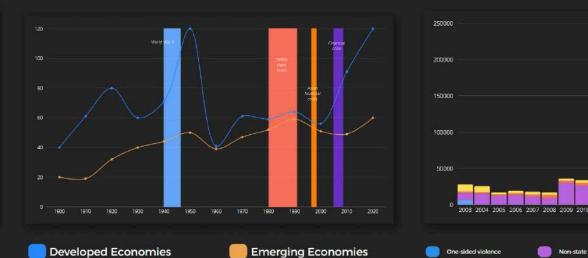


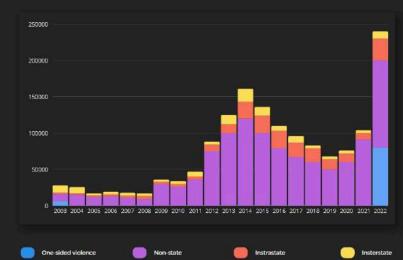
From 1976 to 2021, intrastate and internationalized conflicts rose sharply, while interstate wars remained stable, showing a shift toward internalized warfare.

Across 1900–2020, global crises—from World War II to the 1980s debt and 1990s Asian financial crises—marked recurring waves of tension and instability.

Between 2003 and 2022, conflict deaths fluctuated, peaking in 2014–2015 and rising again in 2022, revealing the persistent volatility of global violence.







Timeline



Spanish Civil War (1936-1939)



World War I (1914-1918) --

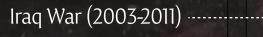
Korean War (1950-1953)

- Vietnam War (1955-1975)

> Soviet-Afghan War (1979-1989)



War in Afghanistan





Russian Civil War

(1917-1922)

World War II (1939-1945)

Libyan Civil War (2011 - present)

Russo-Ukrainian War



Gaza Conflict (2023 - present)

Myanmar Civil War (2023 - present)

Yemni Civil War (2015 - present)



Global Conflict Indicator

invasion of Ukraine. This conflict has led to significant destruction, loss of life, and a refugee crisis. Ukraine, with support from Western nations, has resisted and reclaimed some areas. The war has affected international relations, energy supplies, and global food security, given Ukraine's role as a major grain exporter.

The Russian-Ukraine war began in February 2022 when Russia launched a full-scale

The Mexican drug war, ongoing since 2006, involves the government battling powerful drug cartels. It has caused extensive violence and numerous deaths. Despite military and law enforcement efforts, drug trafficking, corruption, and economic issues persist, prompting calls for international cooperation and policy reforms.

affecting different regions.



This graph provides a comprehensive overview of all the ongoing wars across the globe, meticulously

highlighting the majority of conflicts that exhibit the highest levels of tension, alongside their potential impacts,

thereby offering an in-depth perspective on the current state of global unrest and the varying degrees of strife

In 2023, the Israel-Palestine conflict saw escalated violence, including rocket exchanges and military operations in Gaza and the

West Bank. Tensions rose over contested holy sites in Jerusalem, leading to clashes. Efforts for a ceasefire and peace talks faced significant challenges amid deep-rooted animosities and political complexities. The humanitarian situation deteriorated, with many casualties and widespread displacement, drawing international protests can calls for new dialogues.

Sudan Conflict

Conflict in Democratic Republic of Congo

The Myanmar civil war, intensified following the military coup in February 2021, continued to escalate in 2023. Armed resistance groups and ethnic militias clashed with the military regime, resulting in widespread violence and significant civilian casualties. The conflict has led to severe humanitarian crises, with mass displacement and shortages of essential supplies.

International efforts to mediate have faced challenges, as the military's grip on power remains strong and opposition forces remain resolute in their demands for democratic restoration.

INDIAN OCEAN

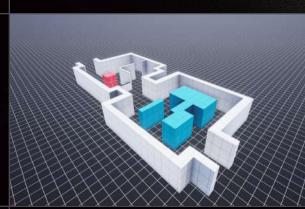
post-World War II, persists as a major geopolitical issue. The Korean War (1950-1953) ended in an armistice, not a peace treaty, leaving North and South Korea technically still at war. Recent years have seen heightened tensions due to North Korea's nuclear ambitions and missile tests, despite occasional diplomatic efforts and historic summits. The heavily fortified Demilitarized Zone (DMZ) remains a potent symbol of the enduring divide and ongoing conflict.

The Korean conflict, stemming from the 1945 division

The South China Sea has been a region of heightened geopolitical tension due to overlapping territorial claims by several nations, including China, Vietnam, the Philippines, and Malaysia. The construction of artificial islands and military installations has increased the strategic significance of the area. The situation has led to naval encounters, fishing disputes, and diplomatic exchanges, all underscoring the complexity of maintaining peace and stability in these contested waters.



Map 1:Tutorial Version 1.0



Design Intention: A tutorial section, the player should learn the basics of their signal receiver

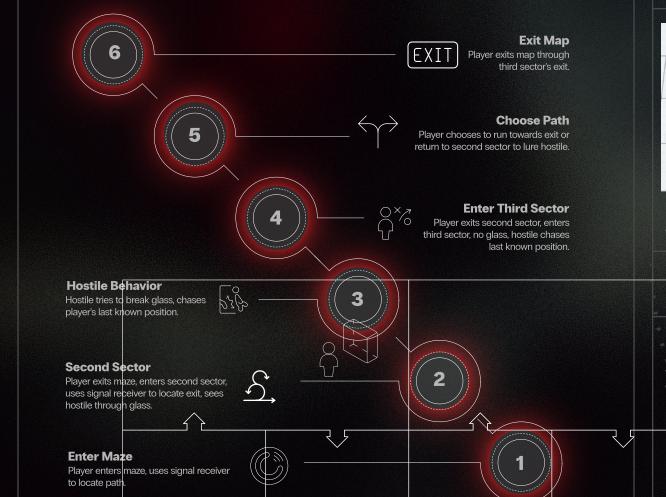
Rules: 1. Player can only see a small circular area when not 4. The hostile will linearly chase the last using his signal receiver

- 2. When the signal receiver is used, player can expand 5. Anyone can see through but not go his vision and see the map and the hostiles nearby. through glasses
- 3. Whenever the player see the hostile, the hostile also 6. Hostile kills player when player can see sees the player

known player's location

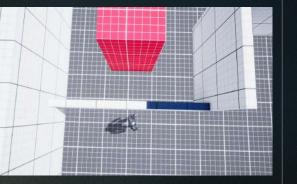
hostile without signal receiver

Game flow:



When the game start, the character will be at

the entrance



Exiting the maze, player will see the first enemy through glass

Map 2: Cover

Design Intention: The section where the player should learn the properties and abilities of the second operate-able character



Moving forward, player will encounter a maze



Distracting the enemy through their signal receiver, player will exit the level safely

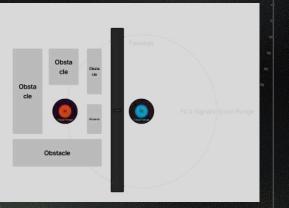
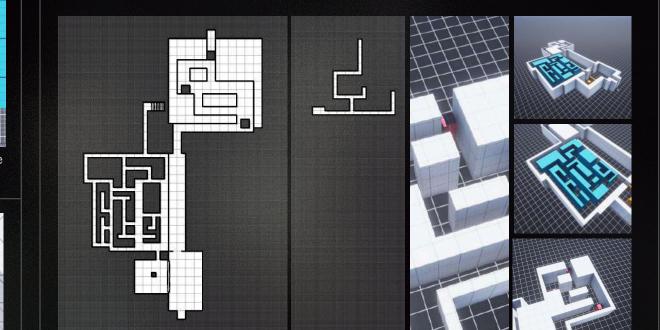


Illustration of First Character Scouting for Second Character

Map 2: An Extra Hand (Version 1.1)



Top down Map design

1. Player can only see a small circular area when not using his signal receiver

Rules:

2. When the signal receiver is used, player can expand his vision and see the map and the hostiles nearby.

3. Whenever the player see the hostile, the hostile also sees the player

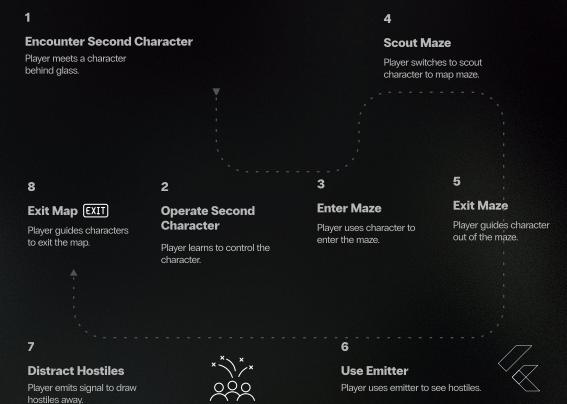
4. The hostile will linearly chase the last known player's location

- 5. Anyone can see through but not go through glasses
- 6. Hostile kills player when player can see hostile without signal receiver
- 7. The second character can travel through passages that the first character could not
- 8. The second character's signal emitter cannot receive any information
- 9. The second character's signal emitter can still draw enemies to the character

Design Intention:

The section where the player should learn the properties and abilities of the second operate-able character

Game Flow





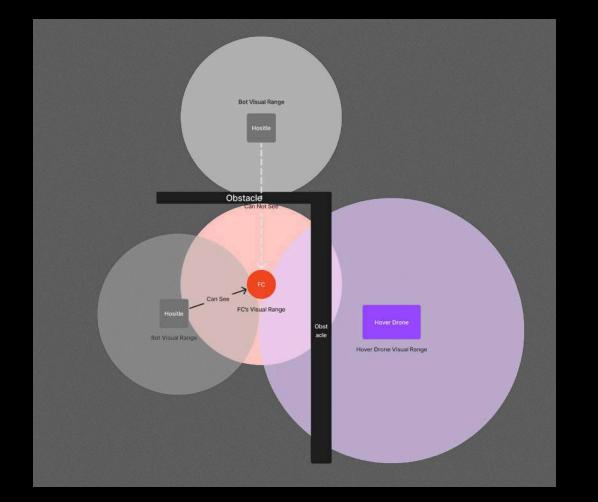




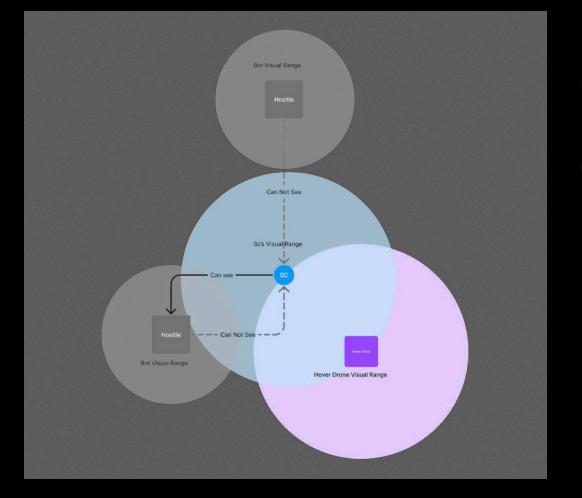
Under guidance, the second character will move through the maze Exiting the maze, the second character will go upstairs

Core Mechanics

Level Design



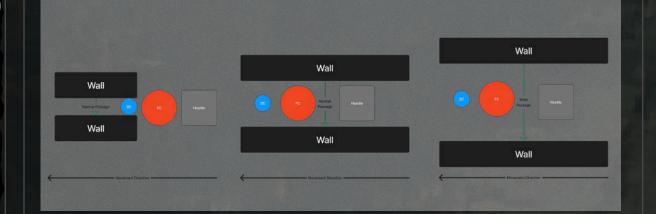
Under such situation, only one hostile can see the first character, the other hostiles' vision is blocked by walls

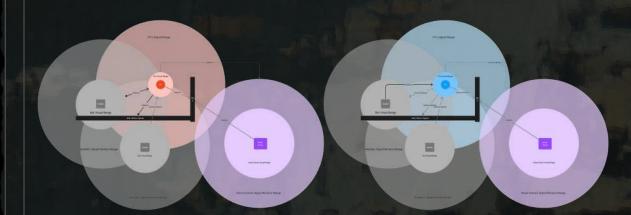


Under such situation, because the second character has a smaller body size, only hover drones can see the second character

Character's Body Size Mechanics

The illustrations shows different character's passability against different types of passages

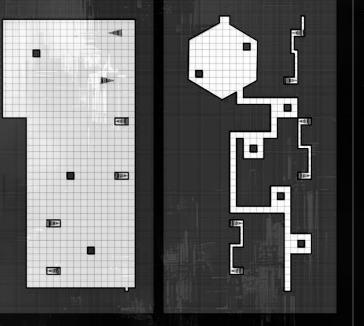




Both Character's Signal Mechanics

The two illustration demonstrates the first character and the second character's signal emission/receive mechanics, interacting with different types of enemies

Мар 3:



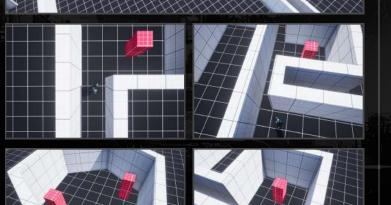
- 1. All existing rules
- 2. All characters will also see everything inside hover drone's visual range.
- 3. Hover Drone can see through glass

The final all-in-one map, contains all

types of enemies and requires player

to use all the character's skills

Design Intention:





FC enters the building through the first floor.

through the second **Enter Second Floor**





FC is halted by drones FC Stopped by Drones

SC navigates through





Drones Reveal Passages

passages for FC.

FC moves through the

FC Passes Through



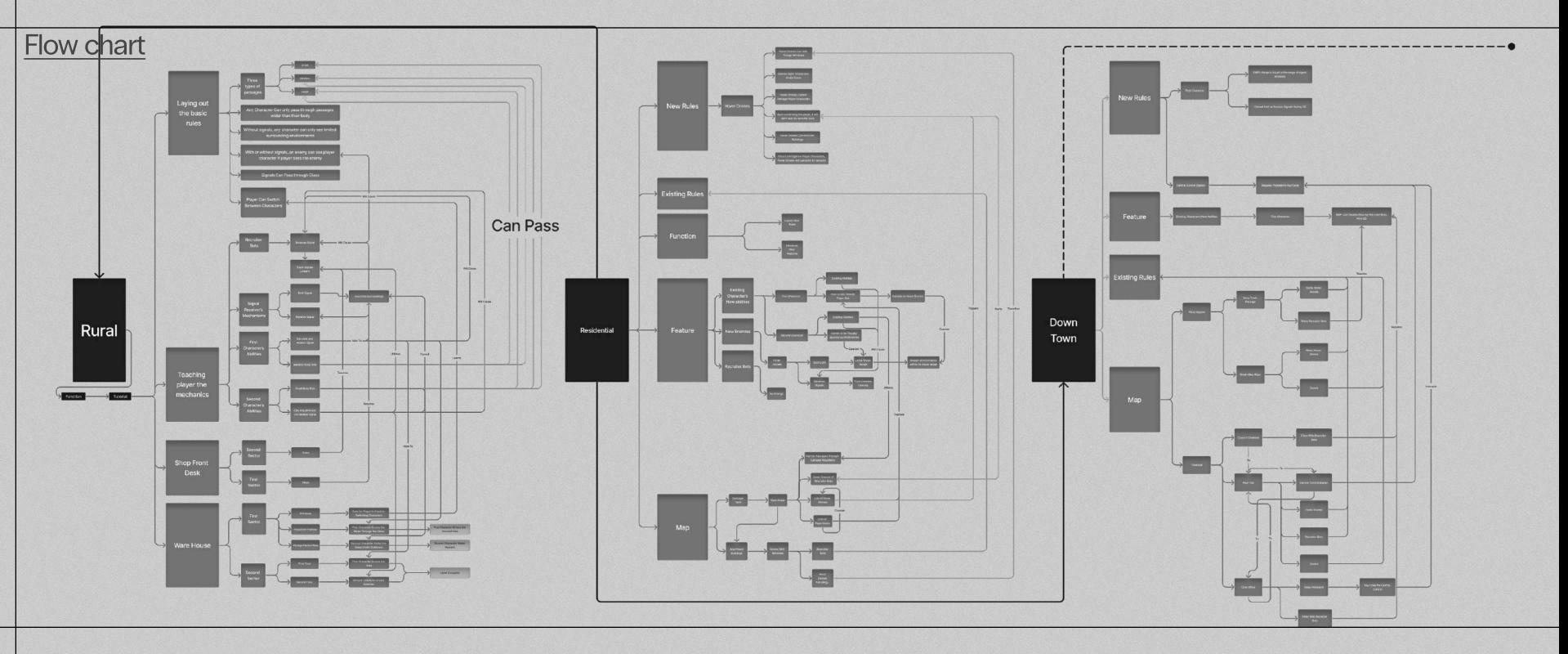
repeated until FC reaches the oval office.

SC draws away the final drone, allowing FC to enter the oval office.

Final Drone Drawn Away



FC enters the oval office, completing the



Future Goals

Desired Atmosphere

Desired Level Experience





I aim to immerse players in a deeply unsettling postapocalyptic world-tense, bleak, and haunting. Inspired by Darkwood, my goal is to evoke a constant sense of dread and consequence, drawing players into an experience that lingers long after the screen fades to black.



To heighten the game's dread, I aim to instill a constant sense of stress and urgency. Like Resident Evil, progression will rely on solving intricate puzzles rather than combat, forcing players to think critically and strategically. This approach deepens tension and immersion, emphasizing psychological intensity over brute force.



The core reason behind creating a dreadful atmosphere and demanding levels is to deliver a challenge-driven experience. We want players to feel immense satisfaction and reward after overcoming each obstacle. Inspired by the Dark Souls series, known for its punishing difficulty and deeply gratifying victories, we aim to evoke that same sense of hard-earned triumph and fulfillment.

Potential Problems

Intensive Art Demands:

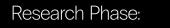
Creating a daunting atmosphere poses a major challenge for our artist, requiring both skill and a deep passion for dark, immersive aesthetics. Beyond technical proficiency, genuine enthusiasm for this style is essential to convey the intense mood we envision, ensuring every visual element enhances the game's pervasive sense of dread and immersion.

Play-Testing Mayhem:

Designing puzzle-driven levels requires meticulous planning and thorough playtesting. However, repeated testing by the same players can lead to biased results, as prior knowledge influences their feedback. To ensure accurate and unbiased insights, a key challenge is recruiting new play-testers for each iteration, providing fresh perspectives with every evaluation.

Future Plan Pre-Alpha Alpha Goals Settle Targeted Emotion Flow of the Game Achieve All Playable Functions in White box1 Achieve the Game Flow in White Box Achieve the Game Flow With Detailed Art and Emotional Triggers Refine Experience and bug Fixes Analyze and Decide Experience targets from mechanics Design Hover Drones Mechanics Draft Launch Plans Based on test results, Revise Level Testing Market Survey games in similar genres Game Designer(Me) Testing Play Test Analyze the Experiencial Functions of Refine and adjust the existing level Define UI Elements designs, according to test results Complete Ul functions Apply Sound Systems Programmer(Me & Bug Fixes Reflect on Solutions from games in similar genres Others) Apply art materials Achieve interactions between dynamic elements Code Iterations Final Adjustments to narrative elements, according to test results Director(Me) Based on playtest results, djust minor narrative details With music, design emotional triggers for third level Adjust minor emotional details With music, design emotional pavings for first and second level Artist With music, design emotional pavings for first and second level Minor Adjustments on Demand Reflect on Solutions from games in similar genres Create minor art elements and adjustments on demand Design Effect Sounds Sound Designer(Me & Others) With director, search for suitable musics Settle on first and second level's music Design Sounds on Demands Minor Adjustments on Demand

<u>Production</u> <u>Management</u>



20%

25%

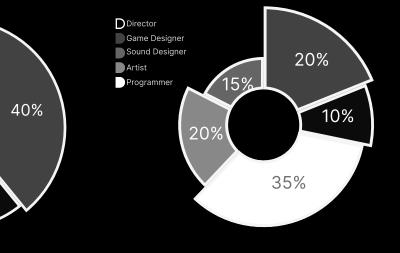
Director

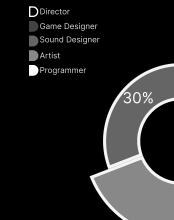
Game Designer

Sound Designer

Prototype & Pre-Alpha Phase:

Alpha & Beta Phase:





Research Phase:

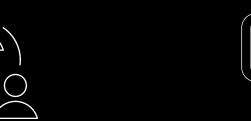
The game is conceptual; designers and the director define the vision.

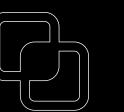
Prototype & Pre-Alpha Phase:

Core mechanics are built.
Programmers lead; artists and sound designers support.

Alpha & Beta Phase:

Focus on polish and final integration. The team refines assets and gameplay.







Different Backgrounds:

As this game focuses on possible post apocalyptic events, one would adore team members from different regions of the world, bringing different cultural insights during the designing process.

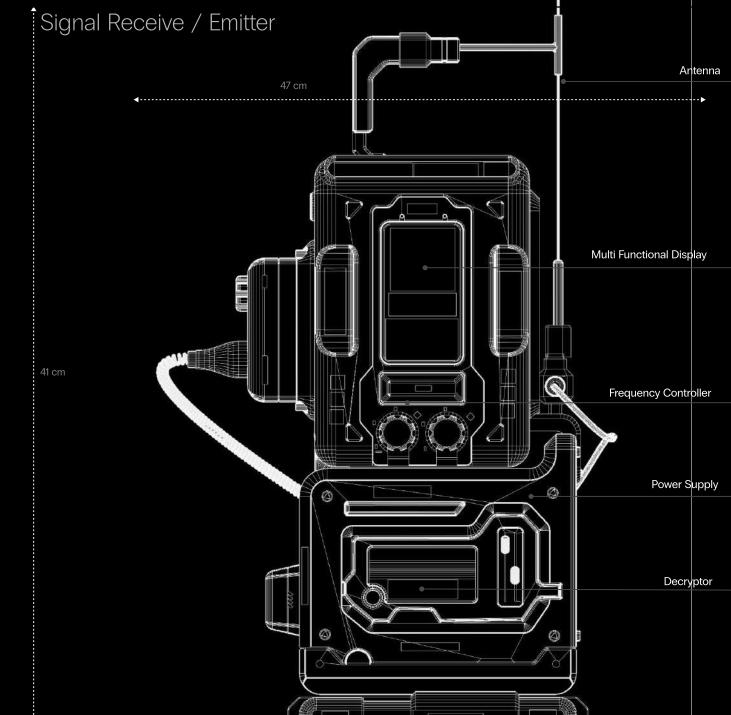
Different Perspectives:

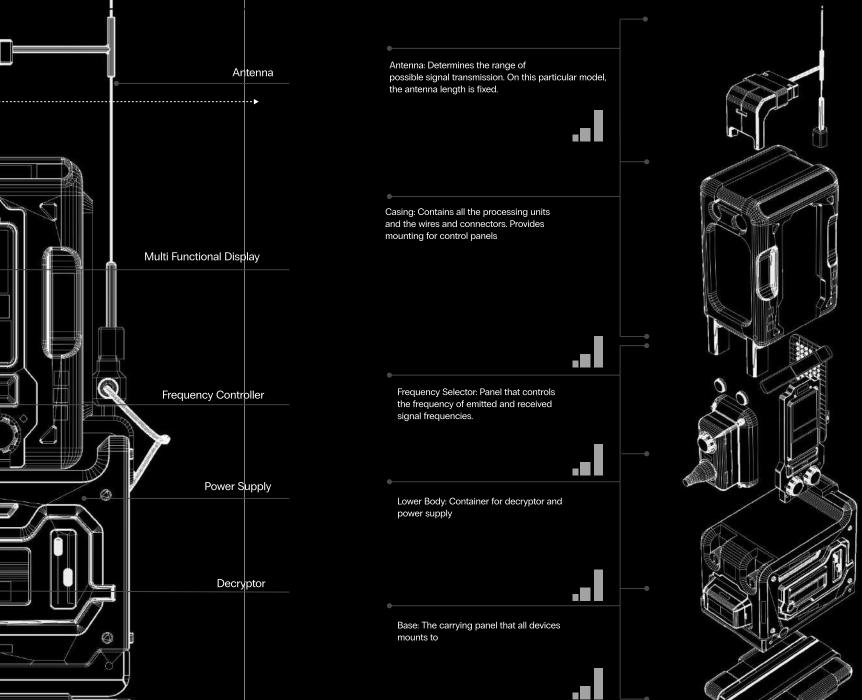
One's experience and ideas relates significantly with ones wealth class, hence there should be members from all of upper, middle and the working class families.

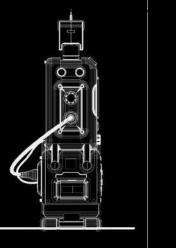
Different Passions:

With the broader passion on the project, each member should also be passionate on their roles and responsibilities.

<u>Visual Design</u> "DEATHLOOP" e AMANE "Betheeds "DEATHLOOP" ANNE CODECT



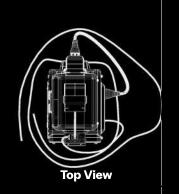




Front View







Development process

Add in build.cs Add an actor called Profow

// Fill out your copyright notice in the Description page of Project Settings.

#pragma once

#include "GameFramework/Actor.h" #include "ProFow.generated.h"

UCLASS() class TTTTT_API AProFow : public AActor

GENERATED_BODY()

// Sets default values for this actor's properties AProFow();

virtual void PostInitializeComponents() override;

// Set the fog size void setSize(float s);

// Reveal a portion of the fow void revealSmoothCircle(const FVector2D &pos, float radius);

// Called when the game starts or when spawned virtual void BeginPlay() override;

virtual void Tick(float DeltaTime) override;

void UpdateTextureRegions(UTexture2D* Texture, int32 MipIndex, uint32 NumRegions, FUpdateTextureRegion2D* Regions, uint32 SrcPitch, uint32 SrcBpp, uint8* SrcData, bool bFreeData);

//TSubobjectPtr<UStaticMeshComponent> m_squarePlane; UPROPERTY(EditAnywhere, Category = "ProFow")

UTexture2D* m_dynamicTexture;

UMaterialInterface* m_dynamicMaterial;

UMaterialInstanceDynamic *m_dynamicMaterialInstance;

float m_coverSize;

UPROPERTY(EditAnywhere, Category = "ProFow")

n coverSize = 5000:

UStaticMeshComponent* m_squarePlane;

UPROPERTY()

UPROPERTY()

uint8 m_pixelArray[m_textureSize * m_textureSize];

UPROPERTY(EditAnywhere, Category = "ProFow")

static const int m_textureSize = 512; UPROPERTY()

FUpdateTextureRegion2D m_wholeTextureReagion:

APawn* myPawn;

#include "ProFow.h"

How to build fog of war

OV8 O

Used with Static Lighting

Used with Morph Targets

TexCoord[0]

aterial Domain

ecal Blend Mode

hading Model

wo Sided

lend Mode

UpdateTextureRegions(m_dynamicTexture, 0, 1, &m_wholeTextureReagion, m_textureSize, 1, m_pixelArray, false);

// Calculate the where circle center is inside texture space

Di Player Index (0) Retain Value ... Get Player Controller

Heyer Inche T Return Value 6 ShareComare D Trand D -

● 不透明度

Surface *

Translucent 🔻

ranslucent -

-

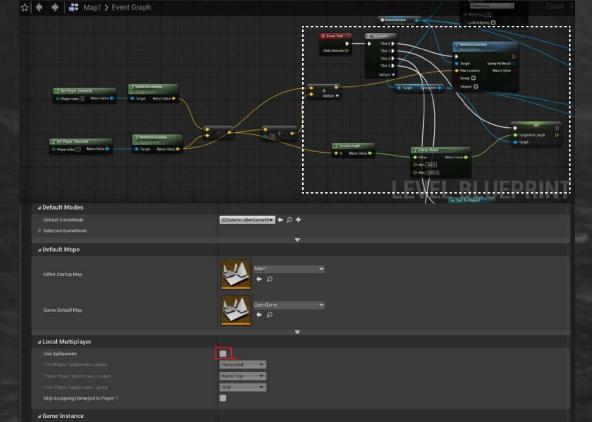
Set the camera position in the level blueprint Start by creating an actor class called share camera that shares cameras



→ 透视 | → 光照 | 显示 |

On Linux

The camera position is determined every frame





one or hold down Ctrl and click on each of the three characters)

6. Copy two more control nodes, because there are three roles

Select all characters in the outline (Click on the first character, hold down shift and then click on the last

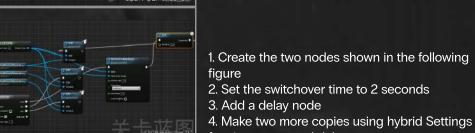
5. Create player controllers and control nodes (to change the character to be controlled)

1. First drag 3 characters into the scene

4. Drag three characters into the level blueprint

3. Open the level blueprint





if (DataArray.Num() = 4)

for (int i - 0: i < 4: i++

Create the two nodes shown in the following

2. Set the switchover time to 2 seconds

3. Add a delay node

for view target and delay

7. Create the MultiGate node

8. Click to add another pin Step 9 Connect

10. Create a keyboard 1 node and click Compile

11. Let one character take control first

At this time, you can switch the control of the three roles in turn, but you cannot reset it, that is, you cannot switch from the third role to the first role.

12. You can add a node to reset or add a custom event to reset or Loop

Fourth of July

A VR experiential game dedicated to recreate the symptoms and experiences of veterans with PTSD.





In the stories of war, we often remembers those actions of soldiers on the battlefield, but we forget that their fight doesn't end when they come home. Veterans face many challenges, from physical injuries to mental health struggles, and they need our support just as much after their service as they did during it. Ignoring their care is like leaving a job half done.



It's important that we remember their sacrifices and make sure they get the help they need to live healthy, fulfilling lives after their service. Taking care of veterans is just as crucial as any part of the war itself.

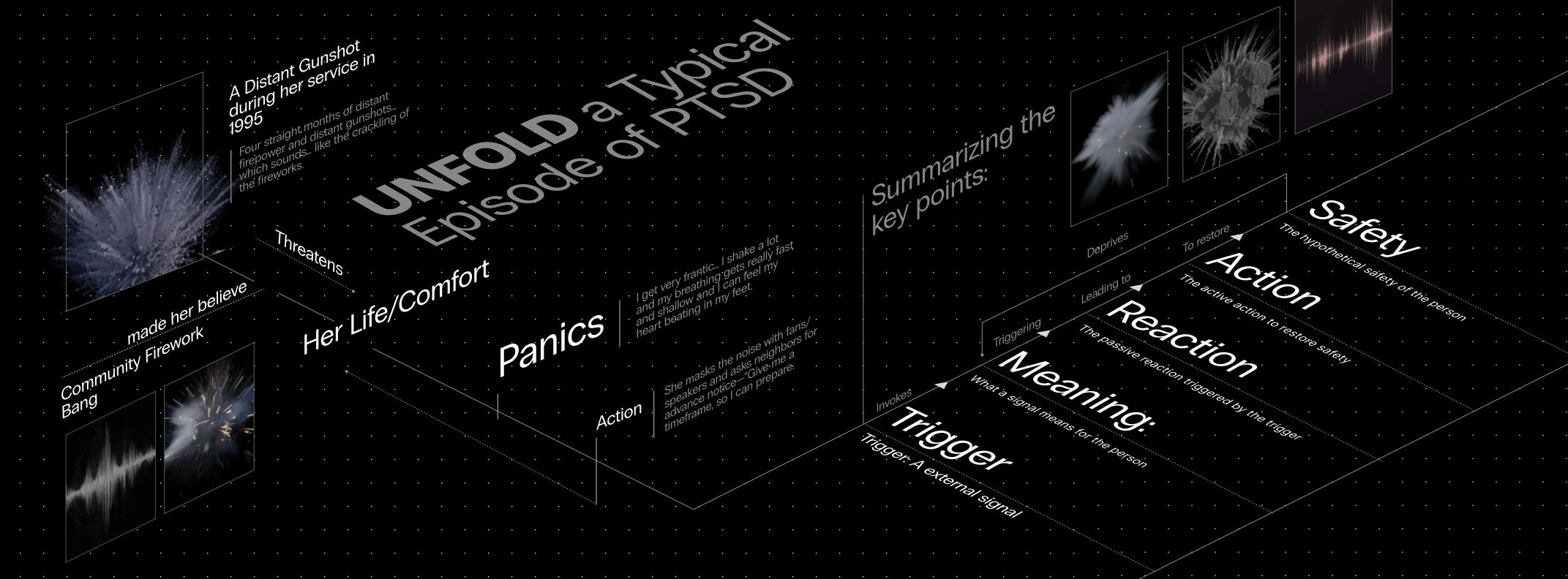
Analysis of PTSD Episode

What triggers the intense emotional reactions?
How does the trigger invokes such intense emotions?
To answer that, I had to verify these elements and study the underlying reality.

Case Study: Air Force veteran KJ Becke

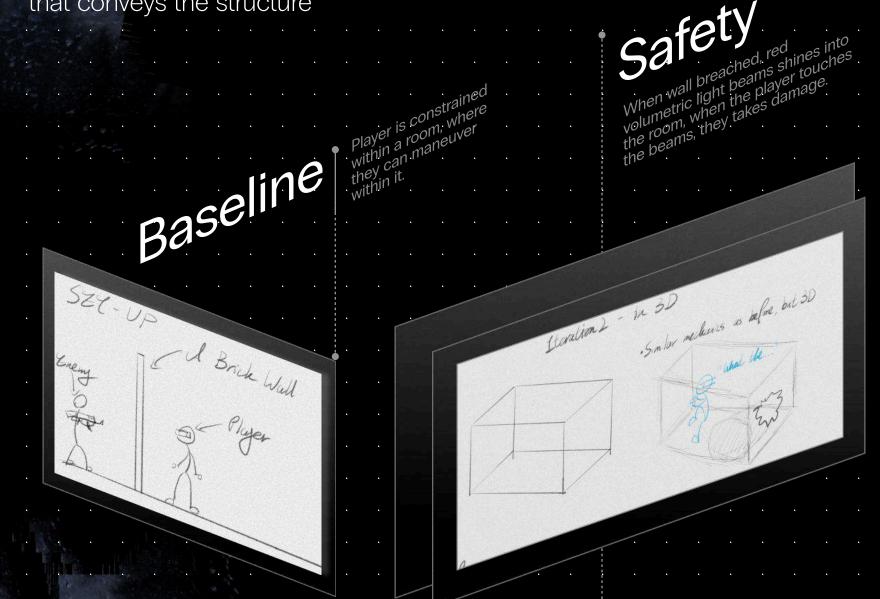


Air Force veteran KJ Becker of Fowler, Colorado, links fireworks to past service traumasonic booms in 1995 and months of gunfire in Saudi Arabia. Unpredictable neighborhood fireworks trigger panic, rapid breathing, and shaking. To cope, she masks noise with fans and speakers and asks for advance notice to prepare.

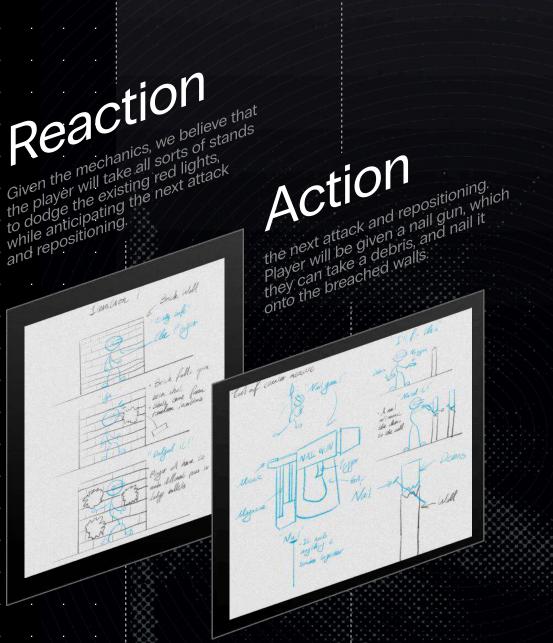


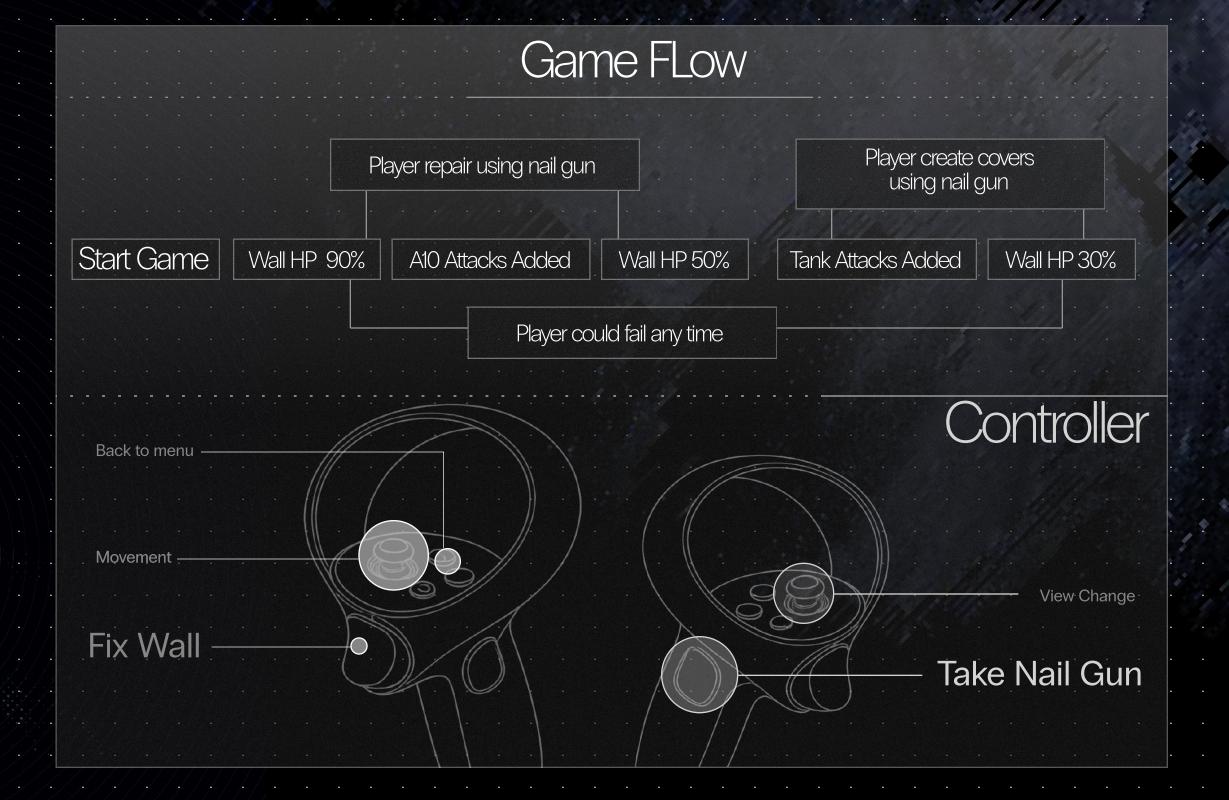
Reconstruction

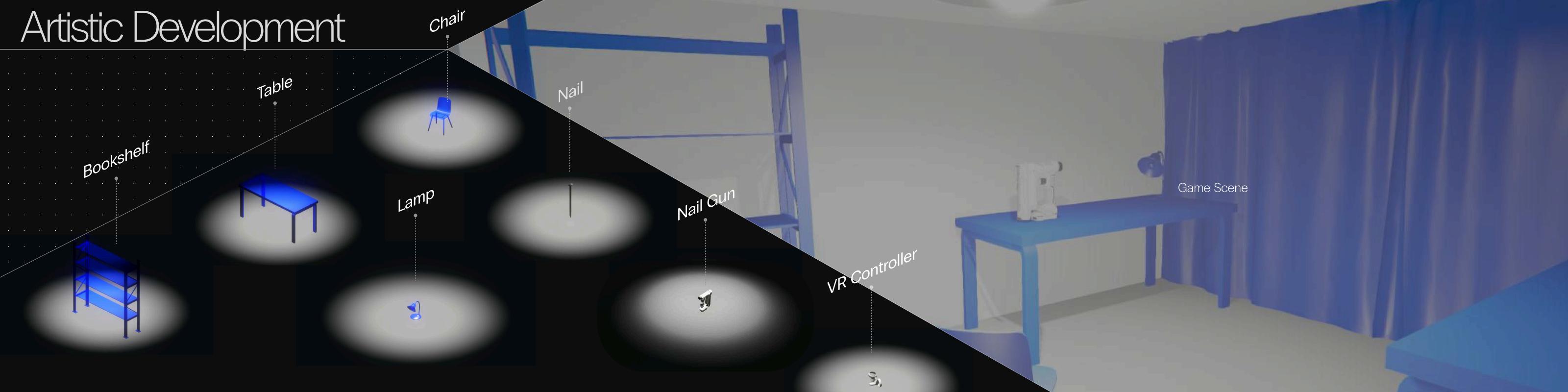
We need to construct an environment that conveys the structure









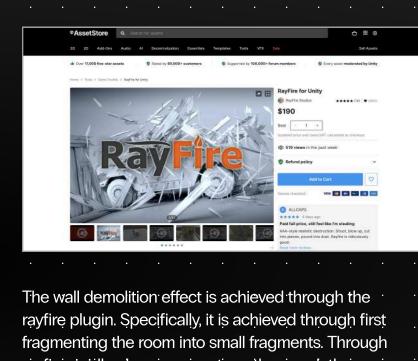


Programming | code sample

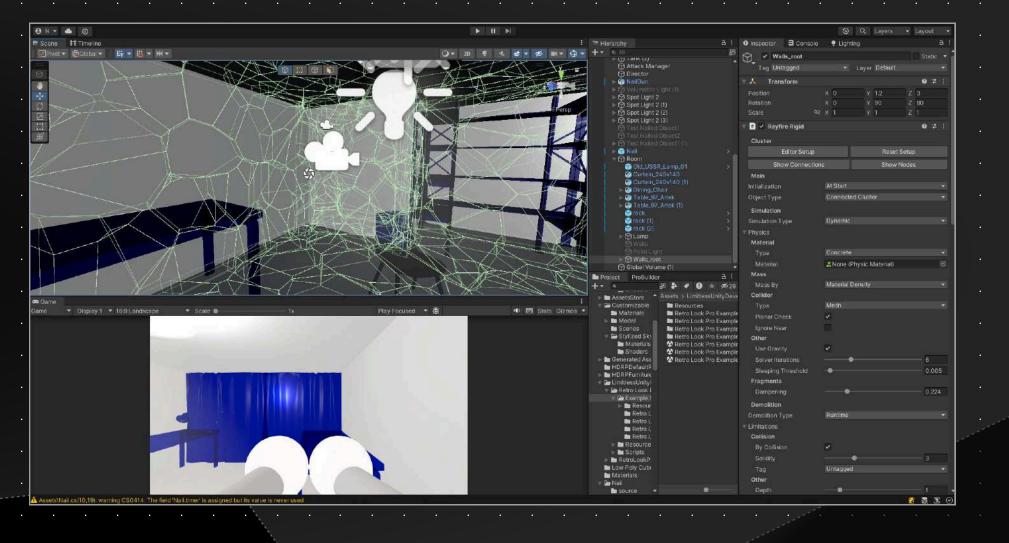
```
Implementation of Custom Bullet Launching Logic with
Specified Position, Rate, and Force
```

```
using System. Collections. Generic;
 using UnityEngine;
 ○ Unity 脚本(1 个资产引用)|0 个引用
∨public class AttackController : MonoBehaviour
     public List<Cannon> Soldiers;
     public float soldierAttackDuration = 1f;
      public float tankAttackDuration = 1f;
       oublic void SoldierAttack()
         Cannon soldier = Soldiers[Mathf.FloorToInt(Random.Range(0, Soldiers.Count))];
         soldier. Attack (soldier Attack Duration)
      public void A10Attack()
         Cannon a10 = A10s[Mathf.FloorToInt(Random.Range(0, A10s.Count))];
         a10. Attack(A10AttackDuration);
      public void TankAttack()
         Cannon tank = Tanks[Mathf.FloorToInt(Random.Range(0, Tanks.Count))];
          tank.Attack(tankAttackDuration)
```

```
Custom Bullet Launching Logic Implementation
```



rayfire rigidbody component, we then mark these fragments as a connected cluster to merge those fragments into a solid demolitiable wall.



Nail Collision and Parenting Logic Implementation

In-game Screenshots

