HAZMAT

Game Design Document <version #0.1>

<GOAT STUDIOSCOL>

<website>



Written by <LAURA CRISTINA CORREA PATIÑO>

<15/04/2024>



## TEAM

## WE ARE DEV GOATS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| Team lead | Tech lead | Developer lead | Developer | Developer |
| Laura Cristina Correa Patiño. | Brayan Leonardo Rodriguez Gomez. | Carlos Arias | Juan Hernandez | Nicolas Parroquiano |
| * Team planning * Ui implementation * Documentation | * Environment design * Level design * Graphics design | * Multiplayer scripting * Net code implementation * Server behavior config | * Basic mechanics * Input system implementation * Multiplayer assistant | * Enemy mechanics * AI behavior |

# General description

## Sales speech

## . Join the team to take on this challenging experience, explore the level and complete all the tasks together, escaping in time before succumbing to imminent death.

### **Design pillars**

### Pilar #1 Theme: “Escape room” online cooperative.

### Pilar #2 Art: Low Poly survival.

### Pilar #3 Mechanics:

### • Completion of tasks.

### • Sensation of stalking and persecution.

### • “Hide & Seek” Hide and distract.

### Pilar # 4 Production:

1) Planning

1) Idea

2) Market analysis

3) Research

4) Specific idea

5) Resources and needs

6) GDD

2) Pre-production

1) Equipment

2) Proof of concept

3) Prototypes

4) Demo

5) Financing

6) Trailer and presentation page

7) Publish the demo

8) Update the GDD

3) Production

1) Production plan

2) Alpha

3) Beta

4) Launch Marketing

5) Version 1.0

6) Launch Trailer

7) Launch the game

4) Post-production

### **Summary**

Brief: a multiplayer video game, with a psychological survival style; where the pressure of being chased, not only by enemies, but also by the running time and the tasks to complete. A team of those condemned to death, with salvation in their hands, but it seems to be increasingly further away.

### **Detailed Description:**

Our participants will find themselves locked up in an asylum, where they were taken to serve their sentence, because the AIs that govern the future world have found them guilty of atrocious crimes against them.

Therefore, they will be forced to pass tests and demonstrate their desire to live, in a hostile and dangerous environment, they must find a way to escape and survive.

Set in an old abandoned asylum, full of gloomy spaces and facing threats, they must cooperate, hide, distract and run before death sets its claws and ends their hopes.

Theme: Online cooperative escape room survival

Scenery: Asylum

Gender: Escape game

### **Main goal**

Complete all task, find all clues, and make a fool of dead with your team to survive this challenge. Play this “Hide and seek” horror game, using all your resources and the help of others, so you can escape.

### **Influences**

### Influence 1 The Outlast Trials



Outlast Trials is a first-person cooperative psychological survival horror video game developed and published by Red Barrels. It is the third installment in the Outlast series and serves as a prequel to the first two games. The game debuts with a multi-platform online cooperative mode, allowing up to four players to participate, although a single-player route is also available.

The Outlast Trials contains the trials that are 'missions' in which Reagents have to complete objectives in order to gain rewards and get further towards their Rebirth. Trials are completed solo or in a group of up to 4 other Reagents.

The rewards of game are basically 2, the "Murkoff money" and the level-up points that we obtain, with them we can access some advantages in the Dreaming Room: specific use tools (an X-ray viewer or a stunner for enemies, for example), prescriptions medical treatments that improve our statistics or amplifiers: reduce the noise when stepping on glass, recover resistance when hiding...

Influence 2 Inside the Backrooms



Inside the Backrooms is a Co-op online horror game up to 4 players, where you and your friends will fight to escape from the different levels of the backrooms, solving different puzzles with different mechanics in each one. This game is based on the famous creepypasta with many real references implemented such as iconic entities and important elements. You will have to explore each room, look for elements that help you to continue advancing throughout the game and unlock new areas, but the further you go, more dangerous it will be, you must pay close attention in the area, identify each entity and know how to avoid them if you want to survive.

Look for supplies, store them in your inventory, explore all the rooms, solve puzzles, unlock areas of the map, interact, try to collect everything you find. The main objective of Inside the Backrooms is to engage players with its gameplay, difficulty and atmosphere. There are countless identical rooms with an old, dirty carpet and pale yellowish walls, where at first glance it gives you a gloomy and bad feeling where you realize that it is not a safe place.

The game currently has 5 levels, each level is huge and is designed to be more difficult than the previous one and each one with different puzzles and mechanics.

There are also 2 secret mini levels that will lead you to a secret ending...

Influence 3 Content Warning



Content Warning puts you in the diving suit-clad shoes of a struggling content creator who aims to record the spookiest video clips imaginable in the Old World. Each day, you awake in your four-bed home, grab a flashlight and video camera, and head down below the surface with up to a team of four to record monsters, remains, and whatever goofy antics your group creates in the meantime. For every successful video clip, you'll earn prestige.

With a team of up to four players—or brave the Old World completely solo—delving into the unknown for fame and fortune, but here, your task is to record terrifying clips of monsters in the dark, then safely return to upload the footage to SpookTube. If you're successful, your upload will gain notoriety, earning you an increasing number of views and, in return, revenue.

## What sets this game apart?

Our game is a fun and cooperative online experience, which set our players in a challenging escape room environment, inspired in the same style of our influences; we pretend to merge our educational experience, and skills, to offer our clients the quality, fluidity and services to make this game one of their favorites.

* Stylized and animated characters
* Fun and scary environment
* Fluid and outstanding mechanics
* Online cooperative experience
* Enjoy with your team and walk up to the ranking
* Be the best

## Target audiences

This content is appropriate for age 13 and up, may contains low violence, suggestive themes, crude humor, minimal blood, strong language.

## Target rating

This game is “T” on ESRB scale



# How to Play

**Game Story:**

Hello,

“My name is justice, and today you all, are going to die”.

If you're wondering who I am, I'm an artificial intelligence sent from the future through digital memory circles. If you're wondering what you're doing here, an artificial court in the year 2073 has found you guilty of treason and leading a movement against the AIs that rule. the world.

Your death in the future will not prevent you from becoming martyrs and the revolution will be inevitable, that is why it has been decided that today you must die, in this abandoned psychiatric hospital, where we advocate your madness to justify your death, being advanced intelligences., we decided that humans should not be killed without hope of life, so they will have one hour to escape from this place, if not, they will die due to a controlled explosion.

Welcome to your sentence.

**Brief:** Up to 4 players will encounter them self, retained in an old terrifying asylum, with no hopes for getting out, but cooperation and roguery, will help them encounter all trials and find the way to escape alive.

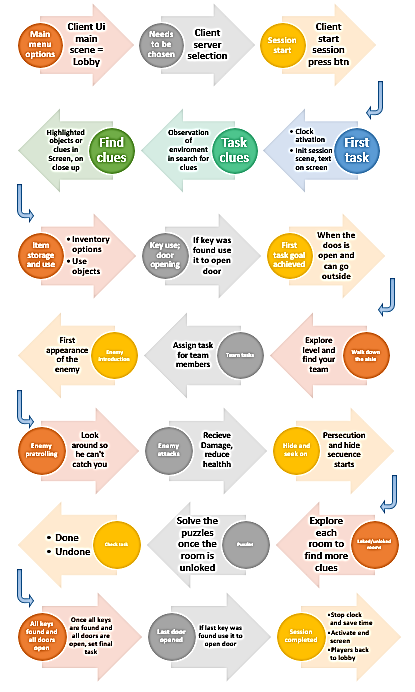
**Detailed:** The AI's that control the future world want to make you pay for crimes that you have not yet committed, but there is hope for an exit, you will have to complete the missions and find the keys that will take you to the exit, showing your skills in the company of other condemned, preventing the enemies from destroying you, either by hiding or taking turns to distract them, likewise time will play against you and there will be no escape; unless together you gather everything necessary to save each other. Take advantage of dark places, key objects, clues and combine your strength with that of your companions, so you will prove been worth and be able to survive.

**Mode:** First person player, exploring environment, and cooperative online interaction.

**Victory conditions:** the player and his team must find all the resources and keys, so they can be able to escape the asylum alive.

**Rewards:** Leaderboard ranking by task completion time.

**Main game loop:**



**Main game mechanics:**

**Challenge:**

* **Escape with your team, all members alive.**

**Leads to:**

1. **Exploration**
2. **Reunion**
3. **Tasks**
4. **Persecution**
5. **Escape**

**Plan:**

* **Complete scenery**

**Leads to:**

1. **Get out of first room**
2. **Explore Hallway**
3. **Unite with team**
4. **Observe surroundings to find clues**
5. **Complete puzzles**
6. **Unlock rooms**
7. **Explore unlocked rooms**
8. **Avoid enemy**
9. **Find Master key**
10. **Survive**

**Execution:**

* **Player makes choices**

**Leads to:**

1. **Initial exploration**
2. **Team reunion**
3. **Unlock all rooms**
4. **Find all objects and clues**
5. **Solve all puzzles**
6. **Complete all task**
7. **Hide, run or distract enemy**
8. **Use Master key**
9. **Escape building**

**Leads to:**

**Game interfering with plan:**

* **Tension: make the player feel the dark and suspense filled atmosphere**
  1. **Scary and horror themed music.**
  2. **Sudden and random sound effect on approach.**
  3. **Dim and scarce illumination.**
  4. **Old and dark environment.**
* **Scare: produced by the enemy patrolling and encounters.**
  1. **Interruption of searching items and clues**
  2. **Interruption of puzzle solving**
  3. **Path interruption**
  4. **Need of run, hide or distract**
* **Damage: is produced by the enemy attack within the range.**
  1. **The enemy attacks deal some reduction of the player health, the third part of the total player amount.**
  2. **The attacks keep until the player is out of reach.**
* **Chase sequence: Triggered when the player is out of the attack range after the attack or when a sudden noise is heard.** 
  1. **If the player gets out of reach, the enemy must chase it, so it can deal damage trough new attacks.**
  2. **The chase cease when the player is not on range and it’s hiding or when other player makes a distraction.**
  3. **If chase has ended the enemy goes on patrolling mode.**

**Leads to:**

* **Team success or failure.**
  1. **Success: All players survive and escape the building, ending the game session, and appearing in the ranking. Also, can pair with new companions and play a new session.**
  2. **Failure: one or more players died, so the session ends. Team ranking reduce points, and all goes back to main lobby.**

*Characters*

**Character #1 Player**

The client can choose between 8 different types of characters in the lobby section, 4 males – 4 females:

* Females:
  1. Police officer
  2. Adventurer
  3. Engineer
  4. Cosplayer
* Males:
  1. Adventurer
  2. Engineer
  3. Police officer
  4. Guitarist

**Character #2 Enemies**

Different creatures which will interact with our players and try to stop them from escaping.

* Creatures
  + Spider
  + Humanoid
  + Android

## *Level design*

<Si corresponde, enumera los distintos niveles, biomas, mundos, etc. de tu juego y detalla sus atributos tanto en términos estéticos como de jugabilidad. Incluya una descripción escrita o un diagrama de flujo que describa cómo accederá el jugador a los distintos niveles.>

**Level #1**

Our environment is settled in an old, dark and abandoned building, which once served as asylum, there our four players will explore different kind of rooms, that can be accessed when certain conditions are met.

#### Objective: Open and explore all rooms, from the one you wake up, to the final door.

#### Mood/Theme: To find the way through, our players must achieve some conditions:

* Observe their surroundings to find clues, objects or solve the puzzle.
* Escape from enemy, hid or run.
* Make distractions, throwing objects can produce sounds that attract the enemy, running in front of the enemy can also activate his aggro. and make him follow you.

#### Objects:

* Usable: (Disposable only when used)
  + Hp recover.
  + Sp Recover.
  + Power up.
* Important: (Disposable only when used)
  + Clues.
  + Codes.
* Keys: (Disposable only when used)
  + Normal rooms.
  + Especial room.
  + Front door.
* Throwables: (Automatically Disposable)
  + Objects on scene that can be use as distraction.

#### Enemy:

#### Seek and destroy behavior.

* + Behavior triggered when the objective is not near, so he moves around to find the players.

#### Attacks when encountered.

* + This behavior is triggered when a player is withing his attack range.

#### Follow players.

* + When the player leaves the attack range, it triggers the follow actions.

#### Susceptible to loud noises.

* + If one player throws an object and its impact generates noise, seek and destroy value is incremented and the enemy position is set to the origin of the noise.

#### Lethal attacks.

* + The damage index is set not to kill instantly, but reduces at least one third of the player health value.
  + So, when the enemy deals three hits the player must die.

#### Puzzles: allow players to access key objects, clues or codes, to complete their tasks.

* Can be found in especial areas
* Some clues are needed to solve it
* Are specific and have only one condition to be achieved.

# Technical

**Screens**

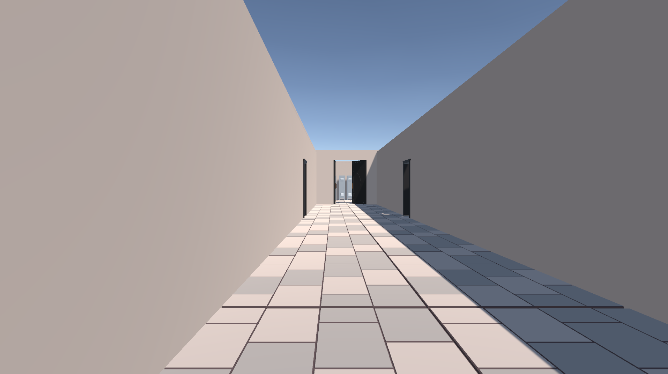
**Title screen**

This is the main screen which the players will see.



**In the game**

Initial environment test



**Inventory**

<Description>

**End sessions**

Completed session screen when players win.



**Game over**

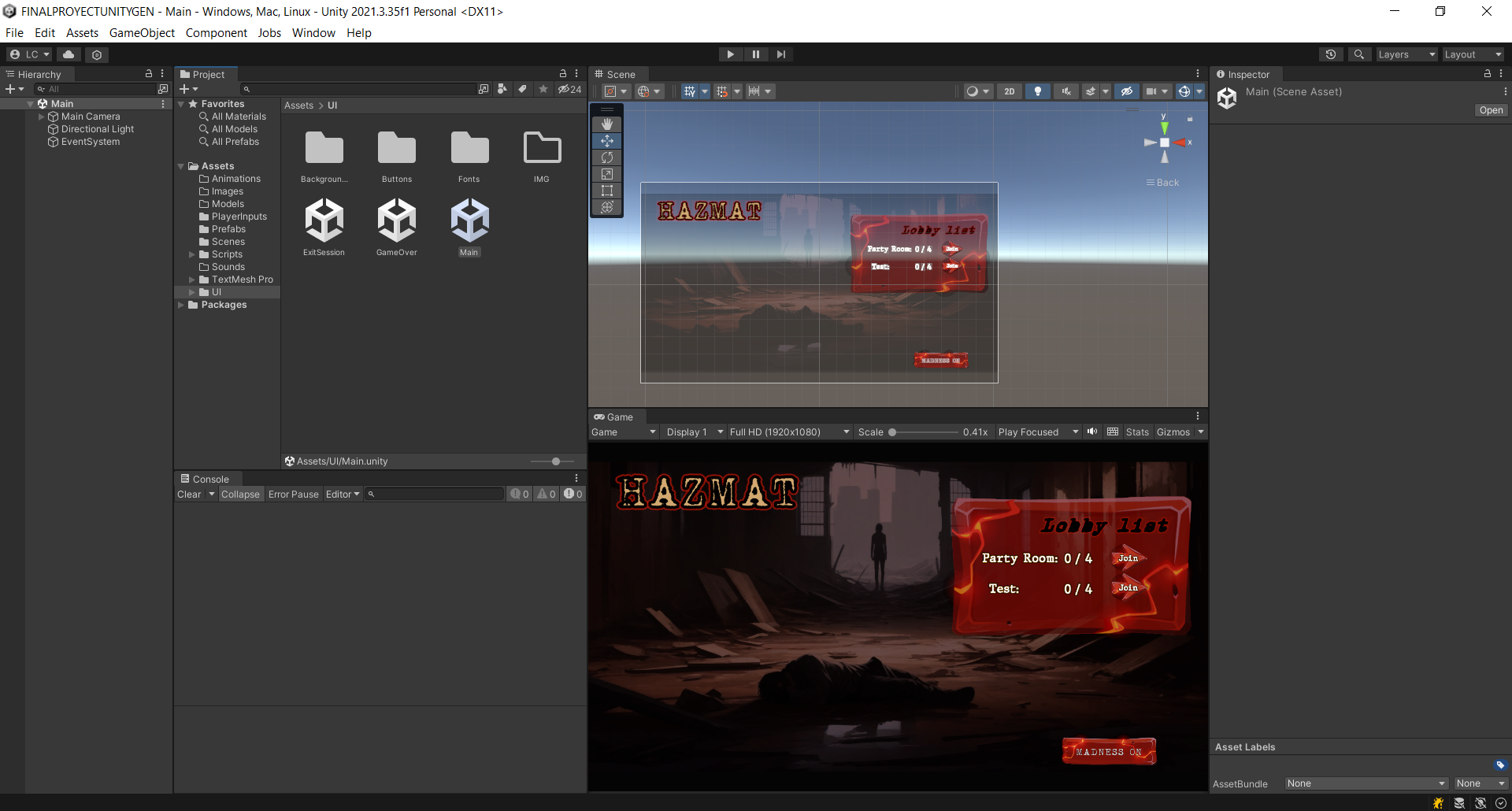
When player dies



**Game engine**

Unity Hub:

Low poly URP 3D project, Net code multiplayer



**Controls**

**Button #1** Key board “W”

Feature #1 Player can move forward.

**Button #2** Key board “A”

Feature #1 Player can move Left.

**Button #3** Key board “S”

Feature #1 Player can move right.

**Button # 4** Key board “D”

Feature #1 Player can move backward.

**Button # 5** Key board “F”

Feature #1 Player take object.

**Button # 6** Key board “I”

Feature #1 Player can access inventory.

**Button # 7** Key board “Space”

Feature #1 Player can crouch

**Button # 8** Key board “Shift”

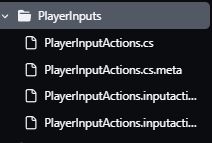
Feature #1 Player can sprint

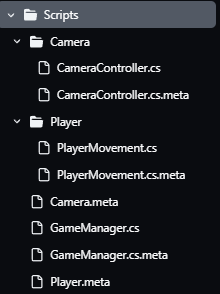
**Mouse # 1** Mouse moves

Feature #1 Player can control camera direction

# Development

### **Classes**





# Visual art

## Style

## Low poly 3d characters and environment, survival horror themed, with dark and creepy environment. Lacking continuous lighting, to create a horrific ambience and reduced spaces to simulate the paranoic sensation of been locked. In an old abandoned building, with a lot of different rooms.

## UI/HUD

## The initial screen contains the connection menu with management options for host or client, and leads to the lobby which presents the character selection and the mission start.

## Assets

## <Para cada tipo de Assets, especifique: formatos de archivo, convenciones de nomenclatura, programas a utilizar, tamaño del activo, etc.>

### - Characters

- <Character #1> (<animations>)

- <Character #2> (<animations>)

- <Character #3> (<animations>)

### - Terrain/Environment

- <Land #1>

- <Land #2>

* - <Land #3>

### - Objects

- <Object #1> (<animations>)

- <Object #2> (<animations>)

- <Object #3> (<animations>)

- Promotional material

-Promo Piece #1

- Promo Piece #2

- Promo Piece #3

# Audio

## Style

## Sombrío, realista, etc. ¿Cómo entregarás esto? Género, instrumentos, tempo, tono, estado de ánimo, etc. Incluya referencias de ejemplo.>

## <Considera lo que quieres enfatizar al jugador a través de los efectos de sonido.>

## Music

* - <Song #1>
* - <Song #2>
* - <Song #3>

**Sound effects**

- <Sound Effect #1>

- <Sound Effect #2>

- <Sound Effect #3>

# Project Scope

## Timeline

## This Project has an initial defined time for prototyping and delivery of four weeks from April 12 to May 6.



## Expected playing time

## Each session will last approximately 1 hour, to find the necessary items and solve the puzzles that allow them to escape.

## Cost

## <¿Cuánto costará hacer el juego?>

## <Incluya un desglose de todos los costos, como el pago de los miembros del equipo, licencias, hardware, etc.>

## Target platforms

## Initially it is intended to launch for the PC platform, with online integration through servers.

## The possibility that it can be run on mobile devices has also been considered.

# Version History

## A record of major changes made to this document.

## V1.0 - <Major Changes>

* <Details>

## V1.1 - <Major Changes>

* <Details>

## V1.2 - <Major Changes>

* <Details>