DESIGN DOC FOR SYMPHONIES OF THE NIGHT

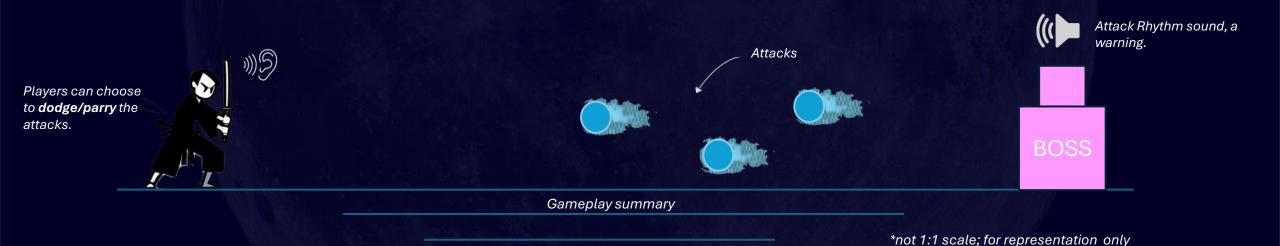
TECHNICAL DESIGN BY KUSHAGRA BANSAL SOUND PRODUCTION BY YUCHEN LIN

TABLE OF CONTENTS

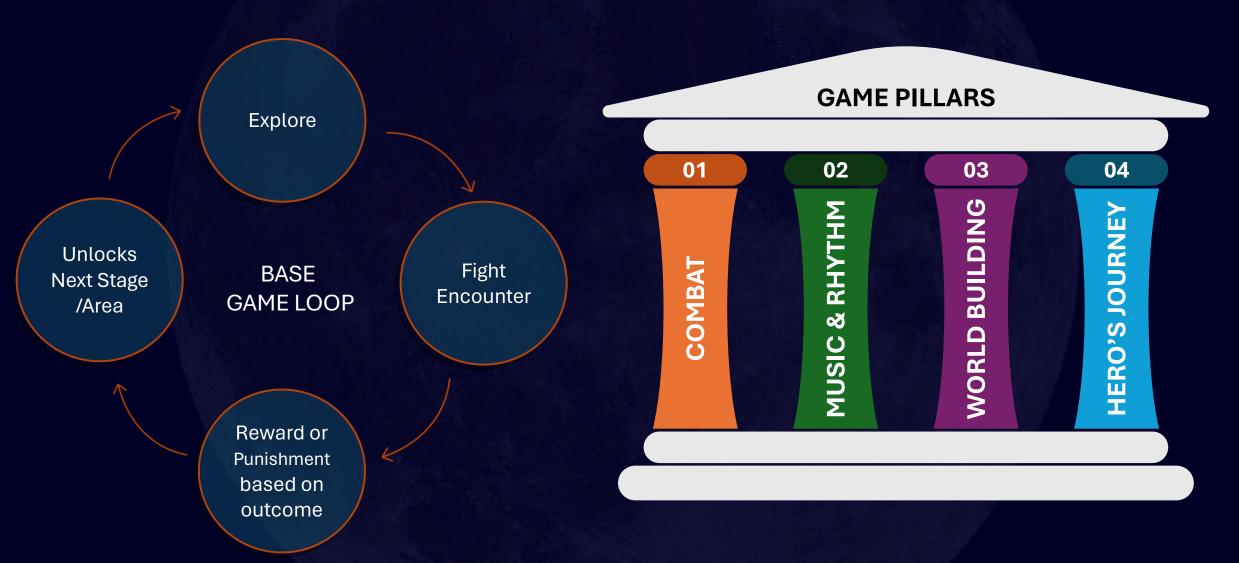
01. THE ELEVATOR PITCH
02. GAME DESIGN DOCUMENT
03. PROGRESSION MECHANICS
04. TECHNICAL DOCUMENT
05. ART STYLE

HIGH CONCEPT | GAME LOOPS | MOOD BOARDS | TECHNICAL GOALS

Symphonies of the Night is an action-adventure game set in a cross-cultural fantasy world. The game offers unique melee-combat with an emphasis on parry and deflect. Listen carefully as the sounds might reveal secrets necessary for winning.



HIGH CONCEPT | GAME LOOPS | MOOD BOARDS | TECHNICAL GOALS



HIGH CONCEPT | GAME LOOPS | MOOD BOARDS | TECHNICAL GOALS

COMBAT DESIGN

ANTICIPATION

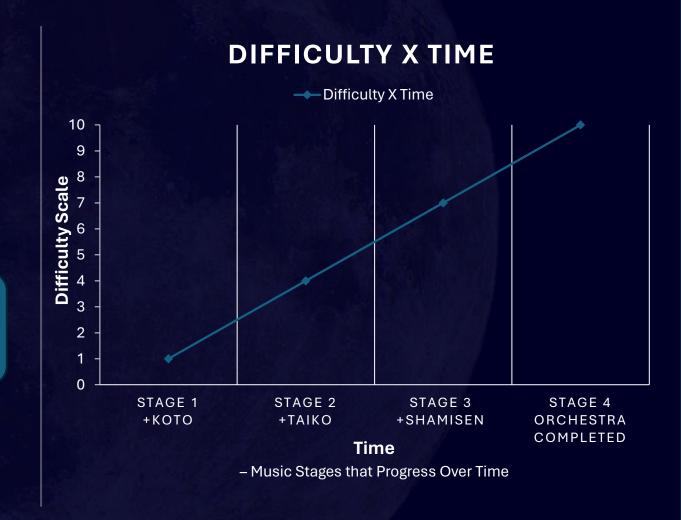
Incoming Attack
Anticipation

Based on Outcome affects rewards positively/negatively

REWARD

Player times attacks/block to get perfect parries

CHALLENGE



HIGH CONCEPT | GAME LOOPS | MOOD BOARDS | TECHNICAL GOALS

The below GIF's showcase media I drew inspiration from to conceptualize the idea.











HIGH CONCEPT | GAME LOOPS | MOOD BOARDS | TECHNICAL GOALS

The Technical Goals of the project include making a semi-realistic open-world, action-adventure game that makes use of Unreal Engine 5 and its provided toolsets such as sequencers, world partition and most notably MetaSounds (that at the time of development was still new December 2023)



ONE BOSS

Making one end to end boss fight with various move sets for the players to fend off against.



GAMEPLAY DRIVEN MUSIC

Gameplay drives Boss Attacks that drives music which provides auditory feedback to player using MetaSounds for its gameplay-blueprint tools.



PARRY-POSTURE SYSTEM

Gameplay drives Boss Attacks that drives music which provides auditory feedback to players.

These are just overall goals that divide into several sub-goals to make the game complete. The list is updated on the go.

O2. GAME DESIGN DOUCMENT TABLE OF CONTENTS

A. THE MUSIC

B. 3 C's

C. MECHANICS

D. BOSS MECHANICS

02A. THE MUSIC

CONCEPT | IMPLEMENTATION | SETBACKS | FINAL RESULT

SOUNDTRACK

The style is for the First Boss Mio is Japanese. Music plays an integral role and is a core pillar of the game; every attack that the boss carries out drives corresponding music feedback in the soundtrack.



The music is divided into 4 stages each having unique attributes that scale difficulty in-game and bring about additional challenges for the player like Boss Attacks.

The unique attributes are instruments, each stage has an instrument of its own that all come together to complete the orchestra set in the final stage (Stage 4)





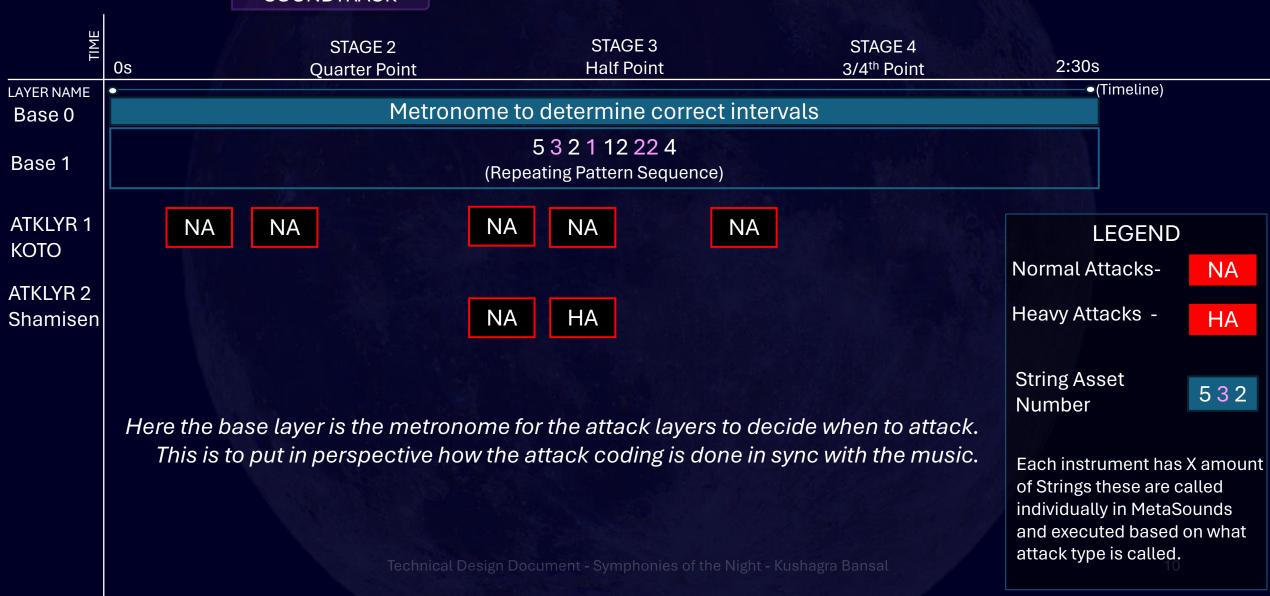


Instruments that make the music

02A. THE MUSIC

CONCEPT | IMPLEMENTATION | SETBACKS | FINAL RESULT

SOUNDTRACK

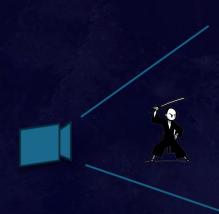


02A. THE MUSIC CONCEPT | IMPLEMENTATION | SETBACKS | FINAL RESULT SOUNDTRACK **COMBAT** Fires off instantly when triggered with assigned sound ATTACKS THAT HAVE TAKEN PLACE Normal Attacks (NA) HA **ABSOLUTE Current Time** Current Time (On Overlap Execute Assigned Attack) **END** 00:15 2:30 TRACK BLYR 1 Metronome to find the correct beats BLYR 2 Base Music to support the attack sounds. ATK LYR 1 NA NA NA Attacks Executed by AI based on Player Behavior ATK LYR 2 NA NA Technical Design Document - Symphonies of the Night - Kushagra Bansal

CHARACTER | CAMERA | CONTROL



- Moves like real-world characters, just with unlimited stamina.
- Primarily only parries
- Can Jump (Upgradable Height)
- Can Run



- Third-Person View
- Looking Directly at the players back
- Has some Elevation

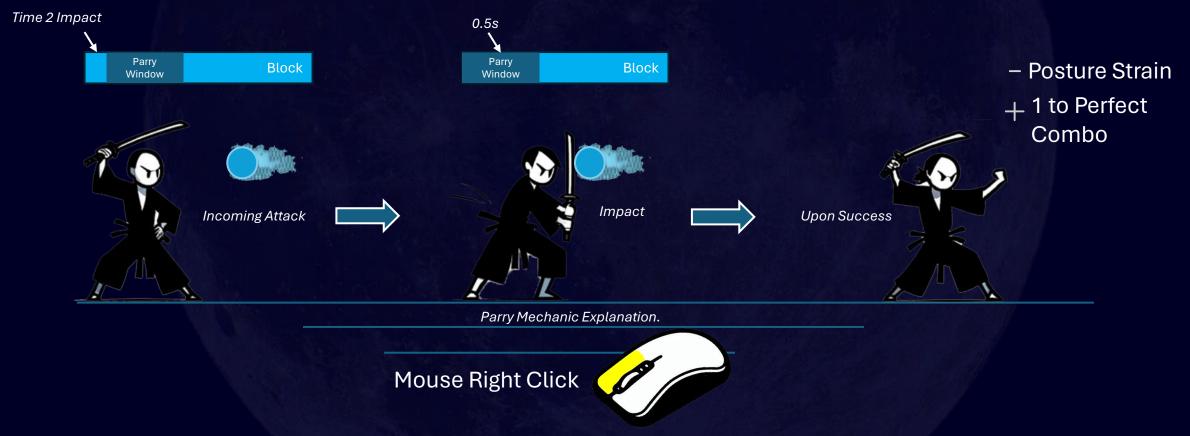


- Omni- Directional Input
- Keyboard And Mouse are Defaults
- Controller Support is added too.

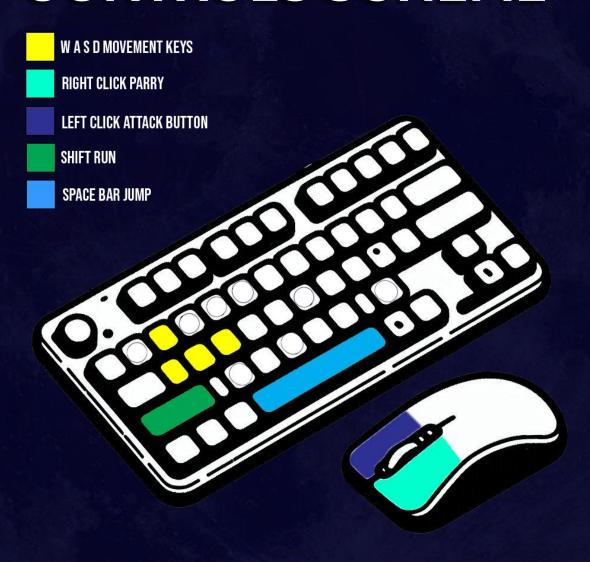
C. MECHANICS

PARRY-POSTURE | HEALTH | | FINAL RESULT

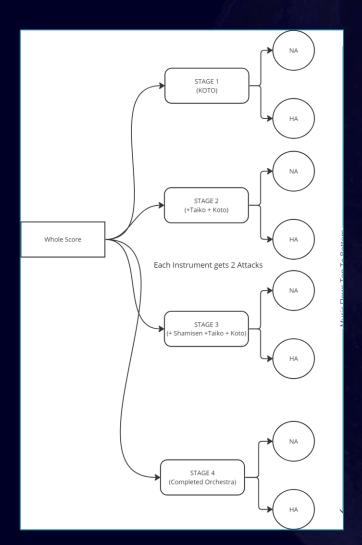
Mechanics on the World, and character side are quite simple. Starting off with the parry probably THE most important mechanic that the project hinged on.



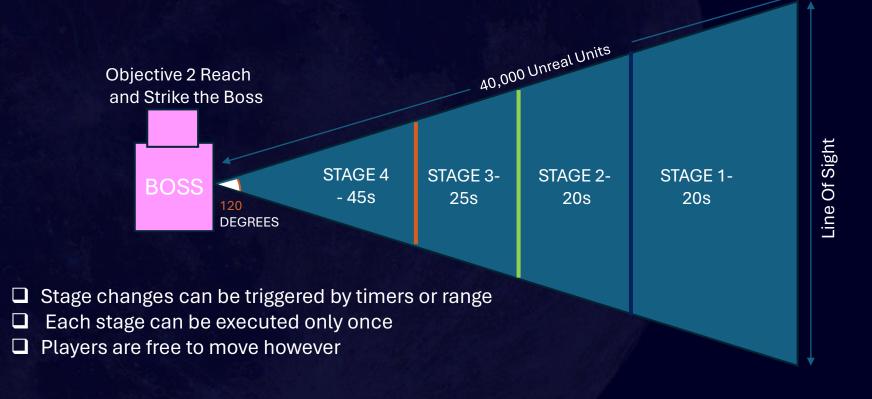
CONTROLS SCHEME



ATTACKS & RANGE | KOTO ATKS | TAIKO ATKS | SHAMISEN ATKS



Total 6 Unique Boss Attacks most are projectile based but vary in patterns.



ATTACKS & RANGE | KOTO ATKS | TAIKO ATKS | SHAMISEN ATKS

Aim: To make multiple projectile based attacks and patterns based on harmonies.

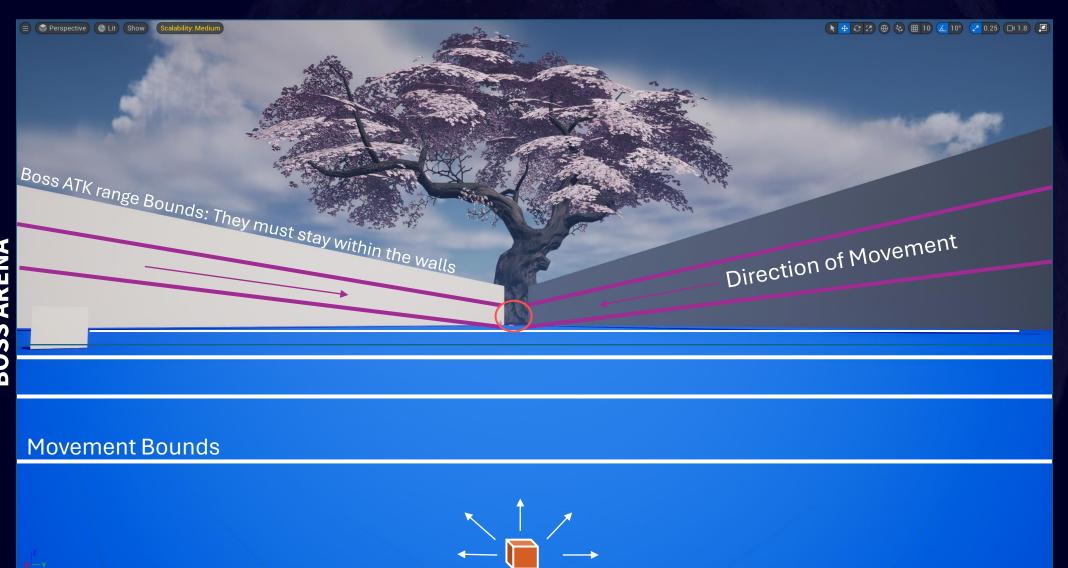




Mio is at a distance from the player and requires the player to move towards the boss; Thus, no melee combat with the boss possible during this time all attacks would have to be ranged and projectile based.

Considerations: Elden Ring has a much slower movement and general speed to doing things compared to games like Sekiro and the ours; This could be another reason why Sekiro has less projectile based attacks.

D. BOSS MECHANCIS ATTACKS & RANGE | KOTO ATKS | TAIKO ATKS | SHAMISEN ATKS





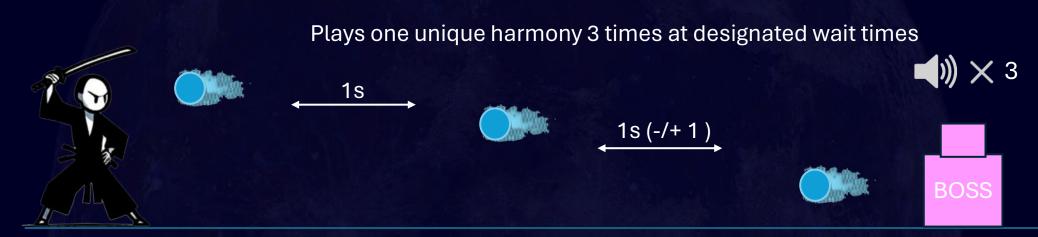
- Player Start

Possible Projectile ATKs:

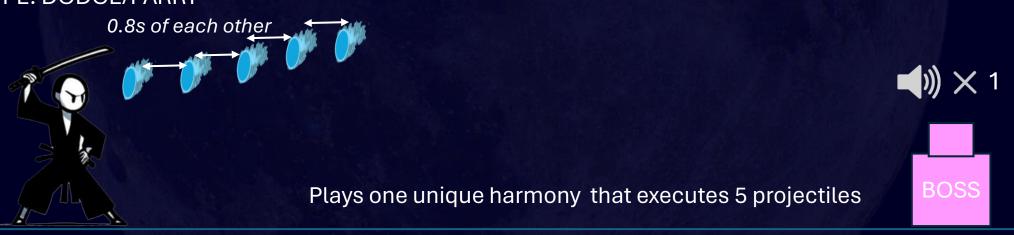
- Simple Bullet
 Style Firings
- 2. Burst Fire Bullets
- 3. GetsugaTenshoVertically andhorizontal
- Barrage Missile style attacks

ATTACKS & RANGE | KOTO ATKS | TAIKO ATKS | SHAMISEN ATKS









D. BOSS MECHANCIS ATTACKS & RANGE | KOTO ATKS | TAIKO ATKS | SHAMISEN ATKS

Taiko is a Japanese Drum. The sounds it makes give the song its bass. Bass often shakes things up with its strong vibrations, thus the attacks. Take the following inspirations:







AOE attacks (Area of Effect) are widely used in games to hit and trap characters in a larger area. These are what we will use for the attack's basis. AOE Impact Style.

D. BOSS MECHANCIS ATTACKS & RANGE | KOTO ATKS | TAIKO ATKS | SHAMISEN ATKS

TYPE: DODGE OR PARRY

Normal TAIKO Attack (NA TAKIO)

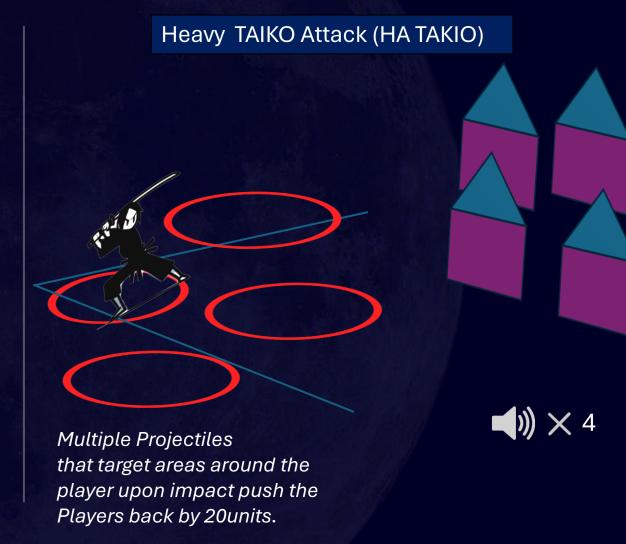
Projectile that moves to the targeting circle

Targeting Circle

(1) X 1

These Attacks do not fire immediately rather give the player 2s to anticipate the attack and only then fire from the Boss location. But the incoming speed is faster than HA Koto.

TYPE: DODGE OR PARRY



ATTACKS & RANGE | KOTO ATKS | TAIKO ATKS | SHAMISEN ATKS

The top image on the right shows a woman (in the anime world a demon) is playing an instrument that on striking the strings teleports targets to desired locations. The sounds will be based off this style.

Bottom Right Image is the use of shamisen for a Zenitsu a character whose domain is lightning. The attacks will make use of shamisen's quick electric like sounds as attacks. Lighting will be the attack on strike.

Bottom Left image is Getsuga Tensho a wave attack with narrow but long range this attack sort of happens in an instant and will b used for the normal attack's players can Parry and dodge this attack and will used to make the players stick to certain areas or Punish them for sticking to corners for too long.

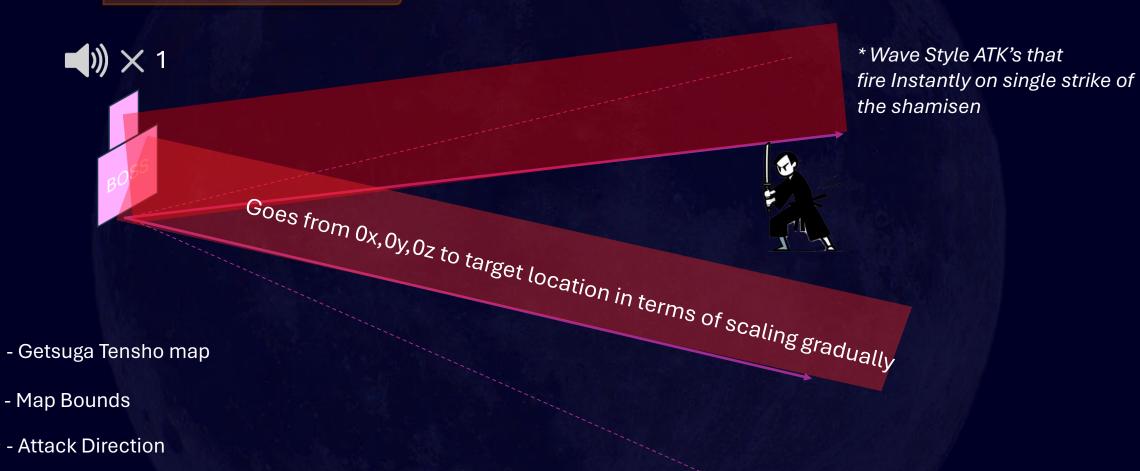




NA

ATTACKS & RANGE | KOTO ATKS | TAIKO ATKS | SHAMISEN ATKS

NORMAL SHAMISEN ATTACK TYPE: DODGE



ATTACKS & RANGE | KOTO ATKS | TAIKO ATKS | SHAMISEN ATKS

HEAVY SHAMISEN ATTACK

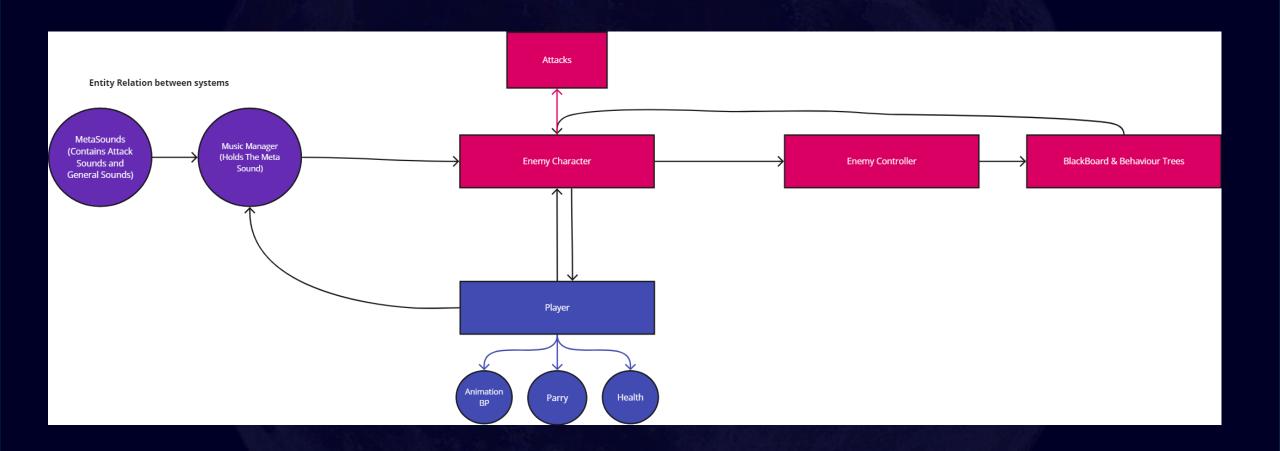
TYPE: DODGE



04. TECHNICAL DESIGN DOCUMENT TABLE OF CONTENTS

- A. SYSTEMS OVERVIEW
- **B. CHARACTER SYSTEMS**
 - C. BOSS SYSTEMS
- D. PROGRESSION SYSTEMS

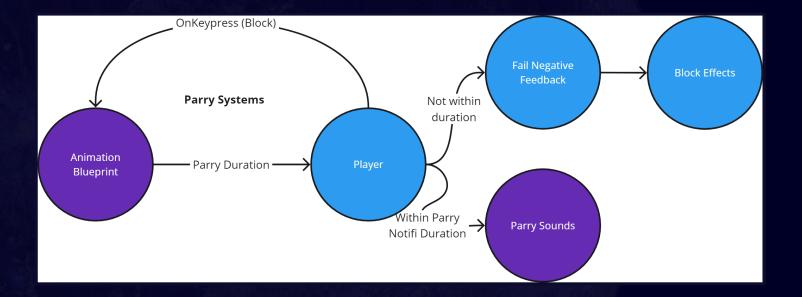
A. SYSTEMS OVERVIEW



A. CHARACTER SYSTEMS | BOSS SYSTEMS | PROGRESSION SYSTEMS

0.5s this is the animation notify window the player must block the attack within.

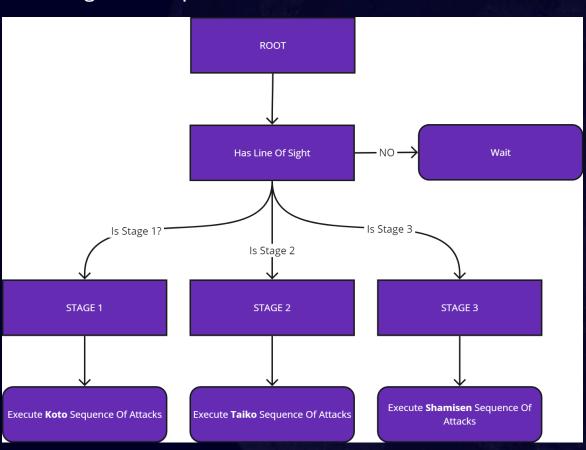




CHARACTER SYSTEMS | BOSS SYSTEMS | PROGRESSION SYSTEMS

Al

Al Design Concept:



Cooldowns and Safety Nets:



Each Stage Sequence can only be activated if the music has reached that stage in its internal manger.

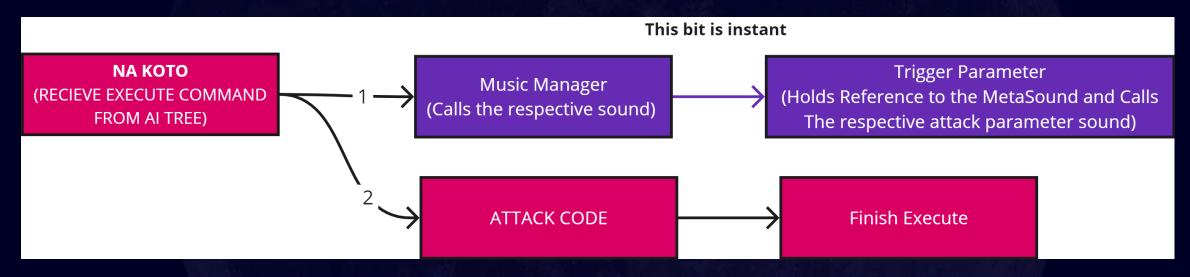
These cooldowns ensure no stage plays too many times especially the heavy ones like Stage 3 where attacks are harder hitting.

CHARACTER SYSTEMS | BOSS SYSTEMS | PROGRESSION SYSTEMS

Al

SOUNDTRACK

How Attacks and Sounds Work:



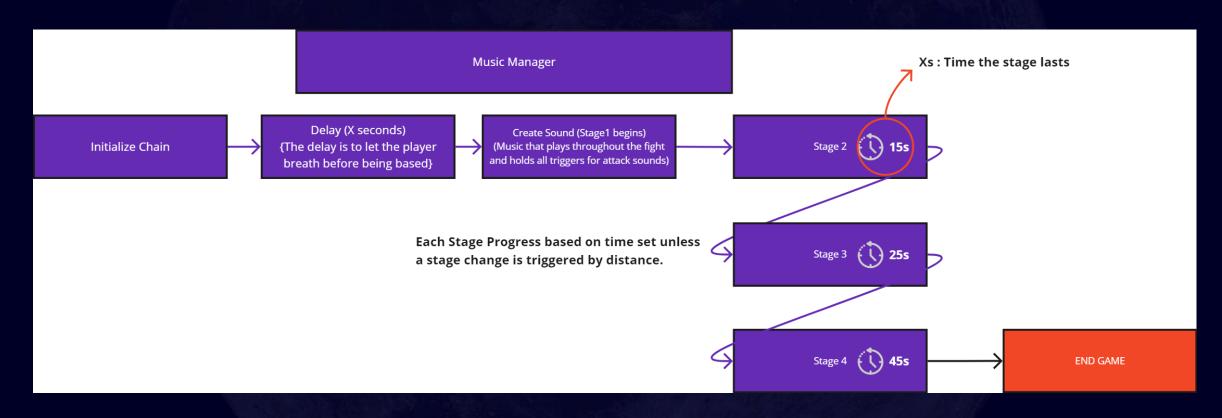
This is done for all attacks where the sound spawns before the actual attack.

CHARACTER SYSTEMS | BOSS SYSTEMS | PROGRESSION SYSTEMS

Al

SOUNDTRACK

The Music Manager:



CHARACTER SYSTEMS | BOSS SYSTEMS | PROGRESSION SYSTEMS

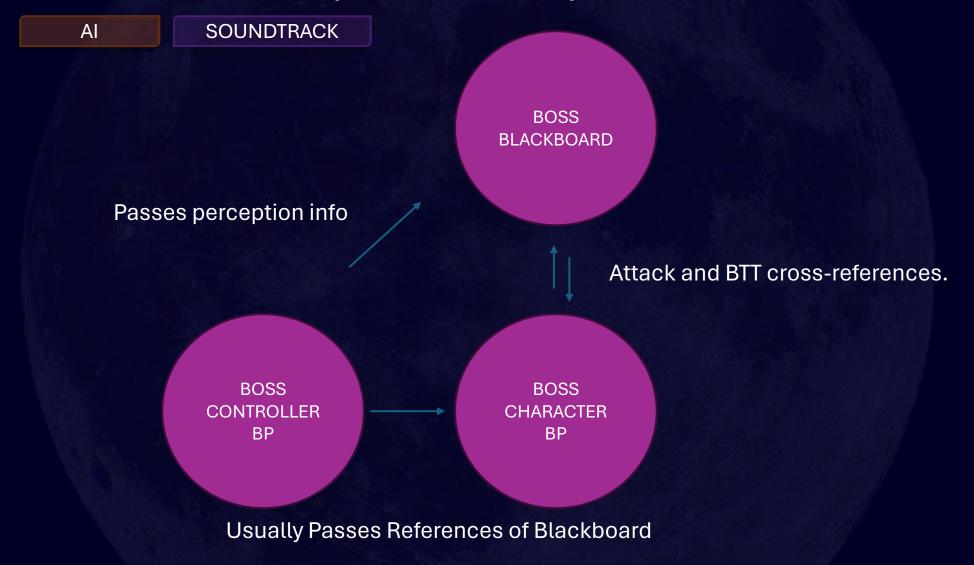
SOUND MANAGER/ STAGE MANAGER

BOSS METASOUNDS

We make use of event dispatchers to call events within the boss blueprints to trigger Blackboard AI changes This reduces dependencies on the Boss Blueprint to work its magic.

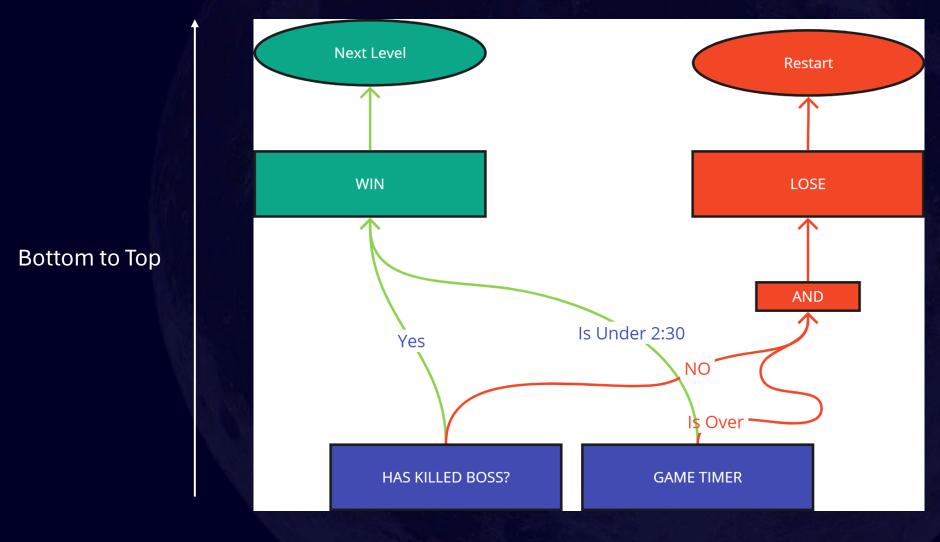
We reference these using techniques used in Quest System Tutorial by Ryan Langley (Veteran YouTube Creator) where a single quest base actor is used as a reference across blueprints.

CHARACTER SYSTEMS | BOSS SYSTEMS | PROGRESSION SYSTEMS



CHARACTER SYSTEMS | BOSS SYSTEMS | PROGRESSION SYSTEMS





05. ART STYLE





6195cd

d45e24







Semi-realistic, darker tones, blues cooler template.











GAME DESIGN GOALS

Character Customization

NPC

- Humanoid
- Animal
- Unique Classes (Boss, Mob)

Stylized Art

- Elden Ring (Makes use of semi-realistic style)

Instrument Assets Parry/Posture-Attack System Transmediacultural references

THANKS FOR WATCHING

ANY QUESTIONS?

Alternatively, you can email me: bansalkushagra13@gmail.com