
GAM200

READ ME!



R00M13BA-OS OWNERS MANUAL

2024-2025

GREY GOOSE



CORE CONCEPT

The main aim of Room13A-OS is to create a **top-down, high octane, single player action** game which aims to play with the player's perspective of a helpless, incapable roomba.

While not straying too far from tried and tested gameplay features, RoombaOS's key selling features are as follows, and will be elaborated more later in the document;

- **Limb Attachment System**

- Players will be able to attach limbs onto their Roomba, ranging from offensive and utility purposes to allow the player to experience broader gameplay.

- **Sortie System**

- Players will be able to customize their Roomba at the start of each level, allowing for higher replayability as well as a range of different playstyles to fit each player's needs.

- **One Hit Kill**

- Players and enemies will only require a single point of damage, leading to higher stakes as well as creating a high octane gameplay environment.

- **Scalability**

- The sortie and limb system allows players to choose their preferred playstyle.
- With weapons being easily implementable into the game, more interesting limbs can be created to create a personalized experience.

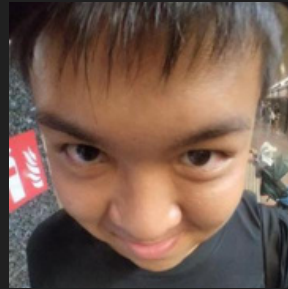
GREY GOOSE



TEAM ROSTER



RAYNER
PRODUCT MANAGER
PHYSICS/INPUT
CHAMPION



JAZ WINN
TECH LEAD
ENGINE CHAMPION



SEAN
PROGRAMMER
GRAPHICS CHAMPION



JUN JIE
PROGRAMMER
LEVEL EDITOR
CHAMPION



TEDMUND
DESIGN LEAD
LEVEL DESIGN
/MECHANICS
CHAMPION



JOEL
ART LEAD
STORY CHAMPION



CLARENCE
AUDIO LEAD
GAMEPLAY
CHAMPION



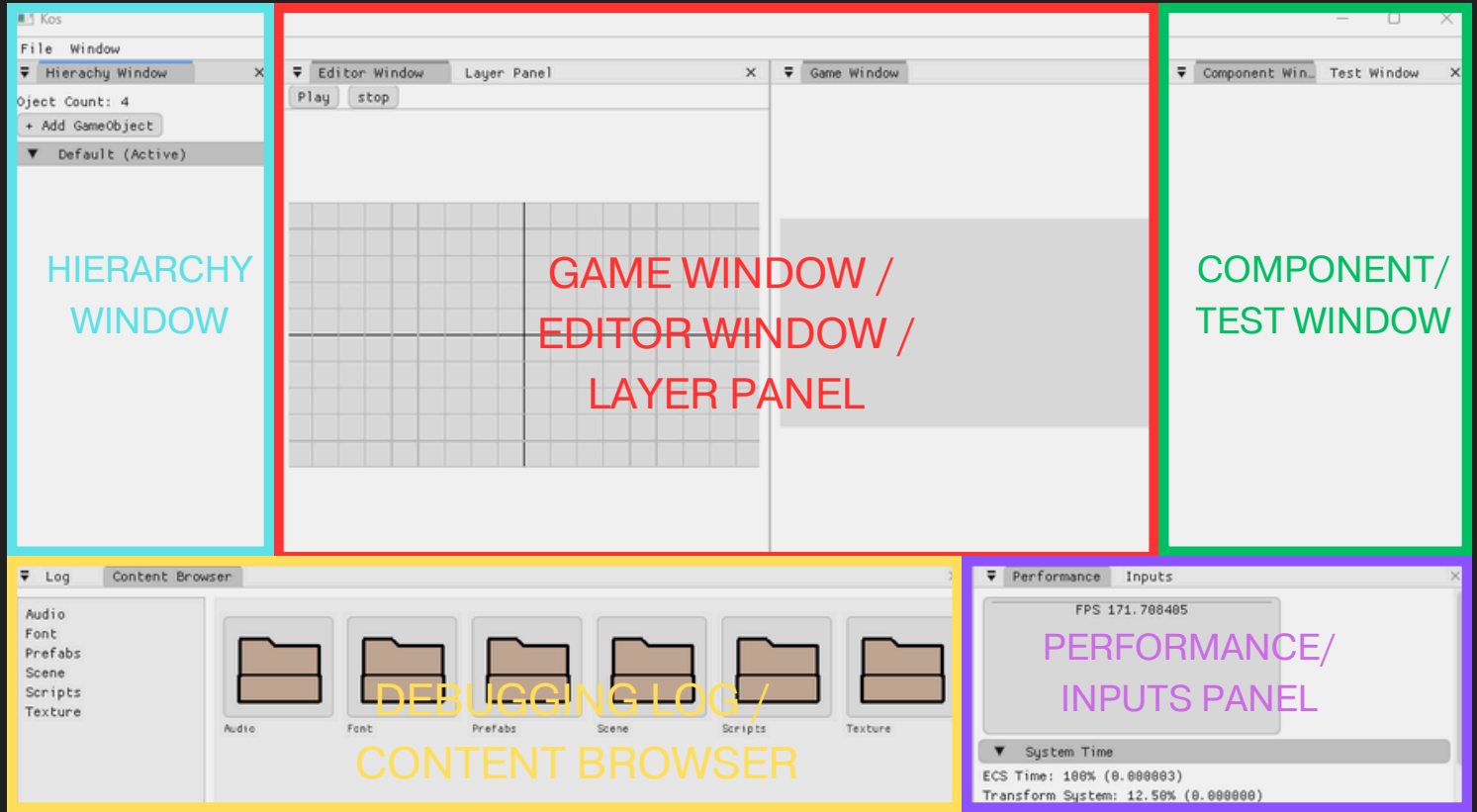
ELIJAH
PROGRAMMER
PHYSICS/INPUT
CHAMION

GREY GOOSE

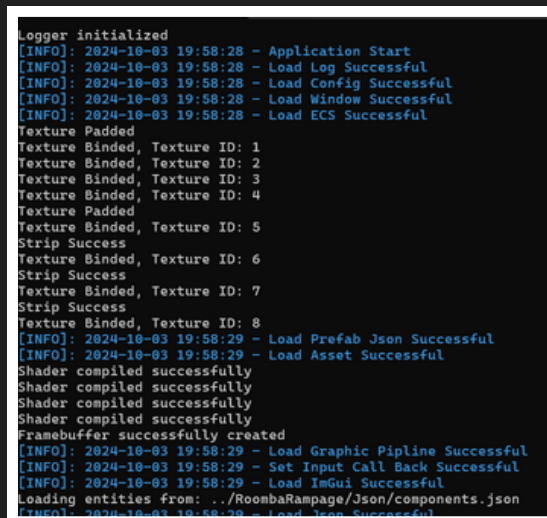


ENGINE/IMGUI COMPONENTS

ENGINE WINDOW



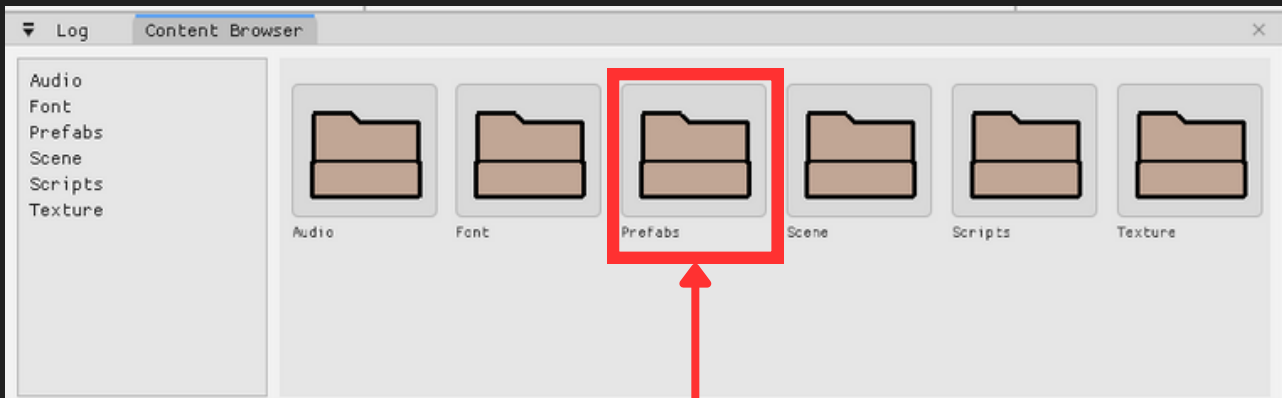
CONSOLE LOG



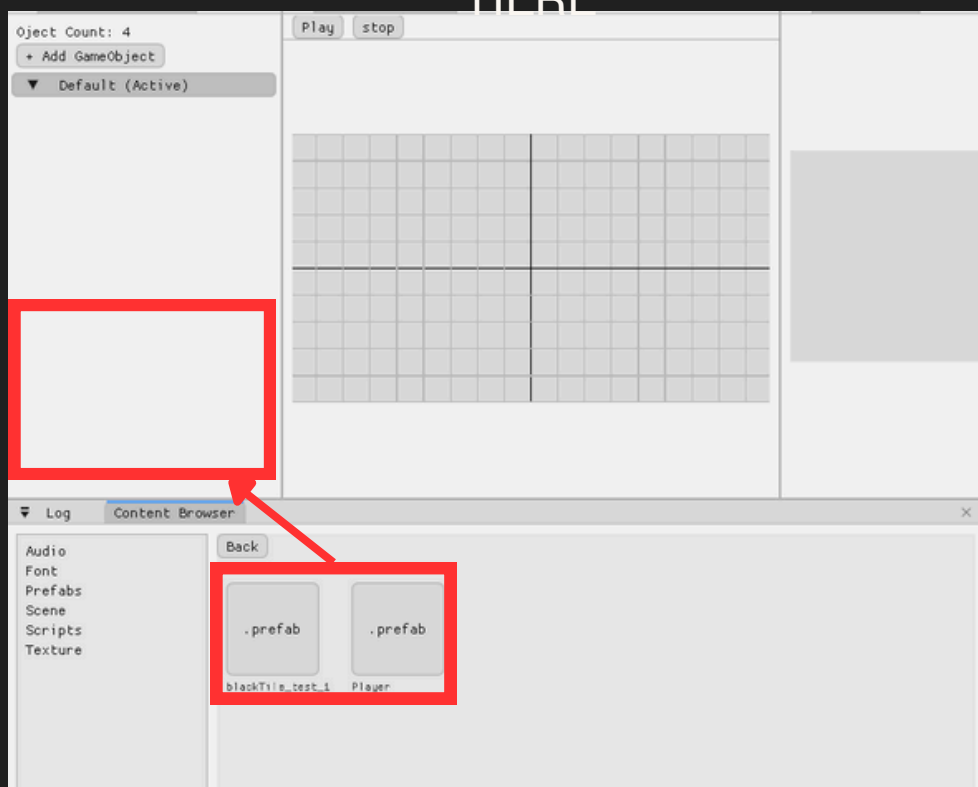
GREY GOOSE



1. USING PREFABS



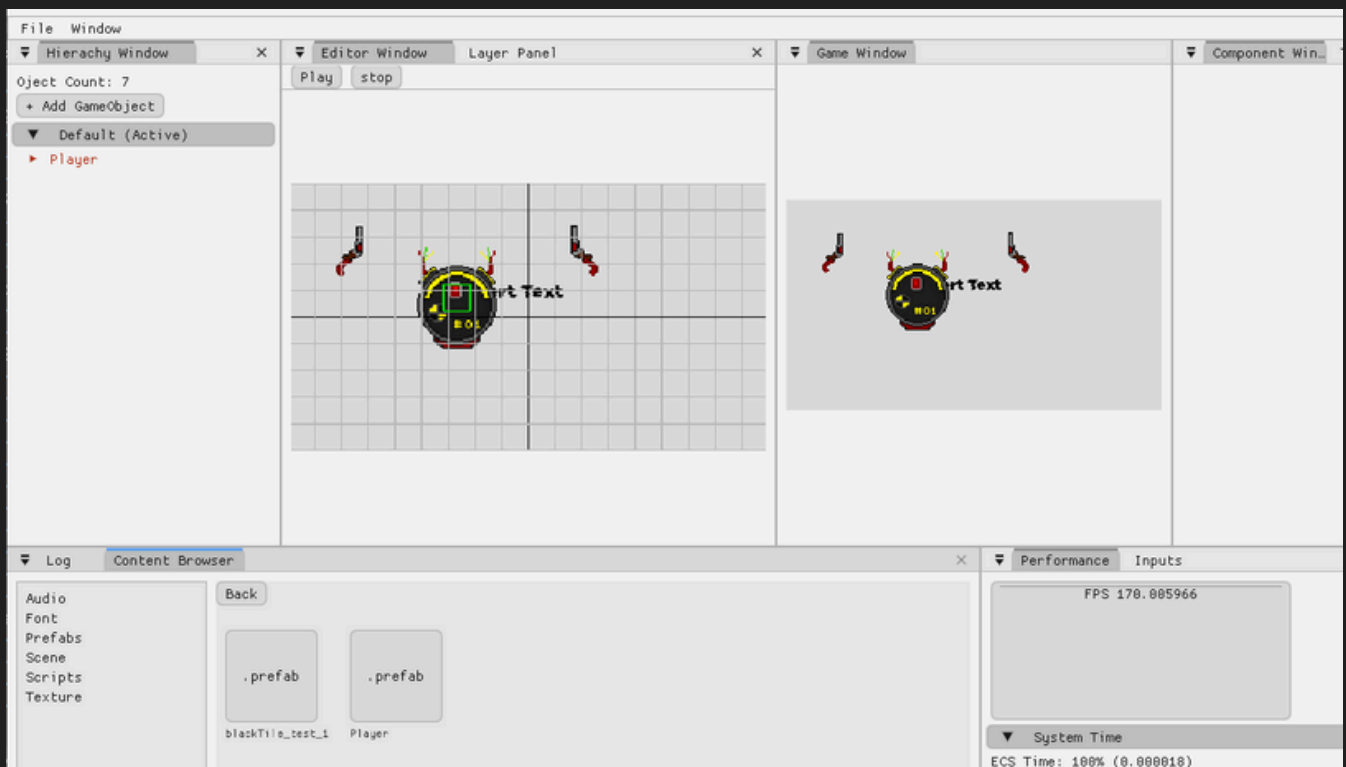
Click on 'Prefabs' folder in Content Browser
**DRAG EITHER PREFAB AND DROP INSIDE
 HERE**



GREY GOOSE



ENTITY WILL BE SHOWN AS BELOW

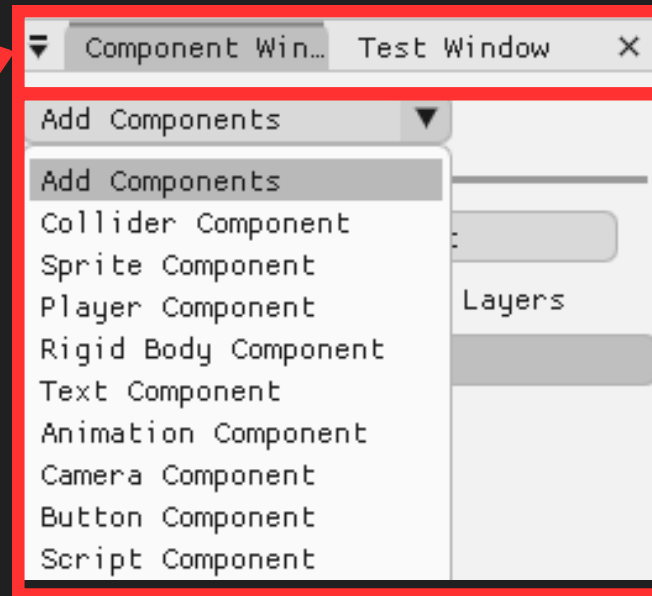


GREY GOOSE

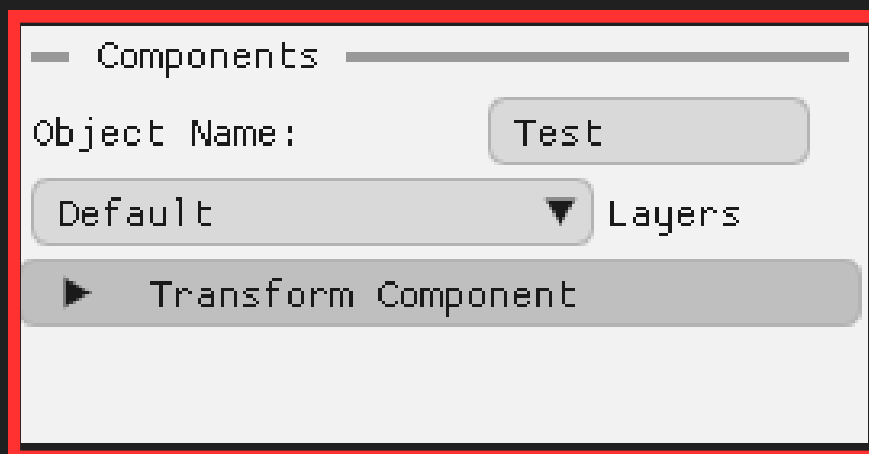


2. ADDING COMPONENTS

Click to Open
Component List



Click to select Component

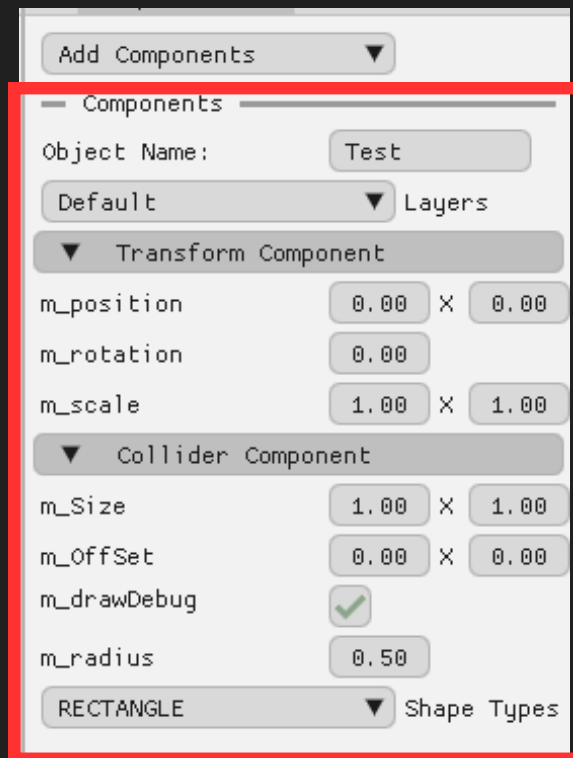


Check that Component(s) has been
added to selected Object

GREY GOOSE



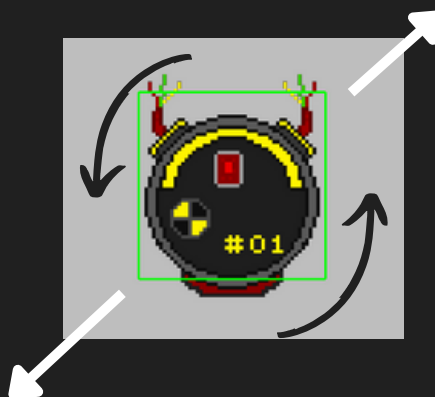
2. ADDING COMPONENTS (CONT'D)



Modify Component Variables

Play around with the various components!

Have fun and experiment!



GREY GOOSE

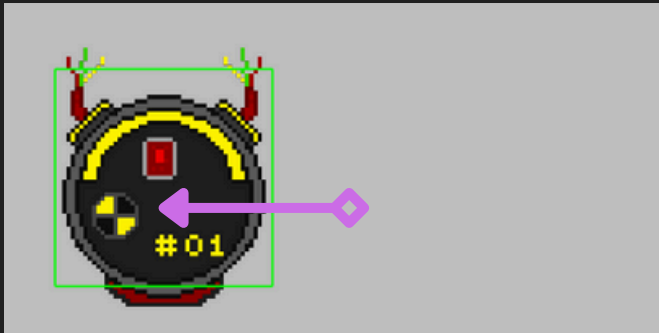


3. PLAYER MOVEMENT

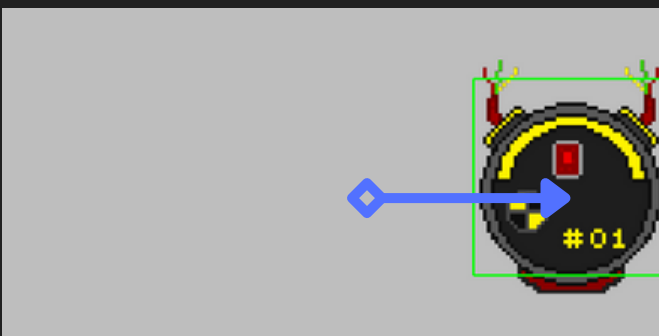
Press 'W, A, S, D' to Move



Eg. 'A' key is pressed.



Eg. 'S' key is pressed.



Eg. 'D' key is pressed.

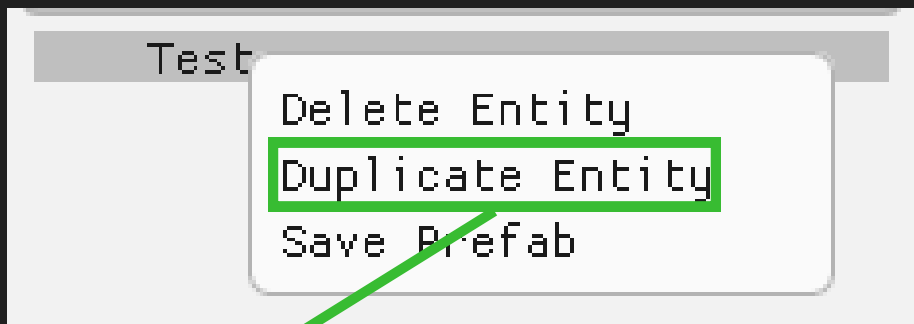


Eg. 'W' key is pressed.

GREY GOOSE

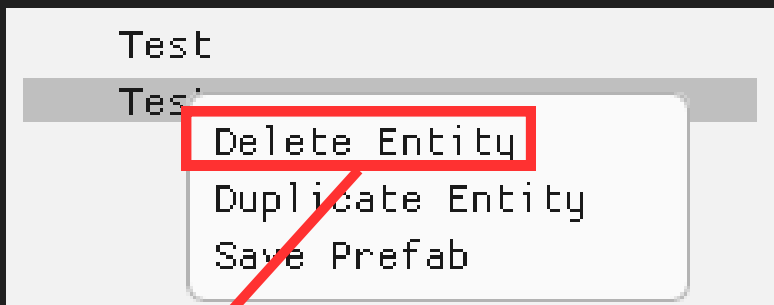


4. DUPLICATING/DELETING OBJECTS

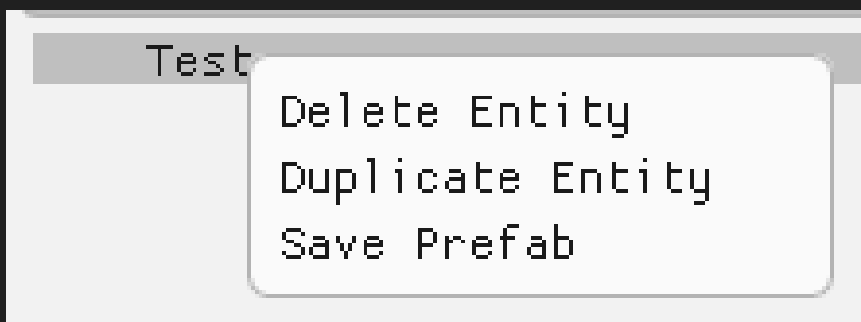


RIGHT CLICK ON
GAME OBJECT

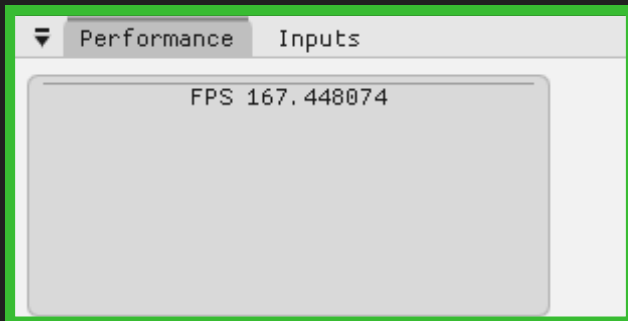
Click '**Duplicate**' to **Duplicate** an object
incl. all its components/properties



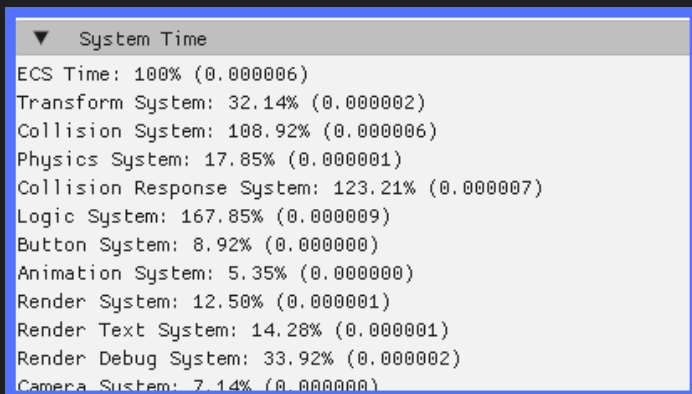
Click '**Delete**' to **Delete** an object incl. all its
components/properties



5. PERFORMANCE / INPUT PANEL

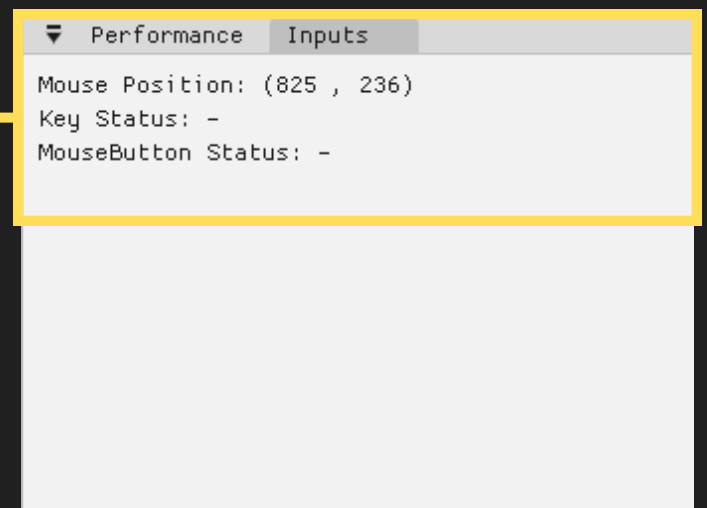


Graph plotter shows **FPS Performance** of Engine at Runtime

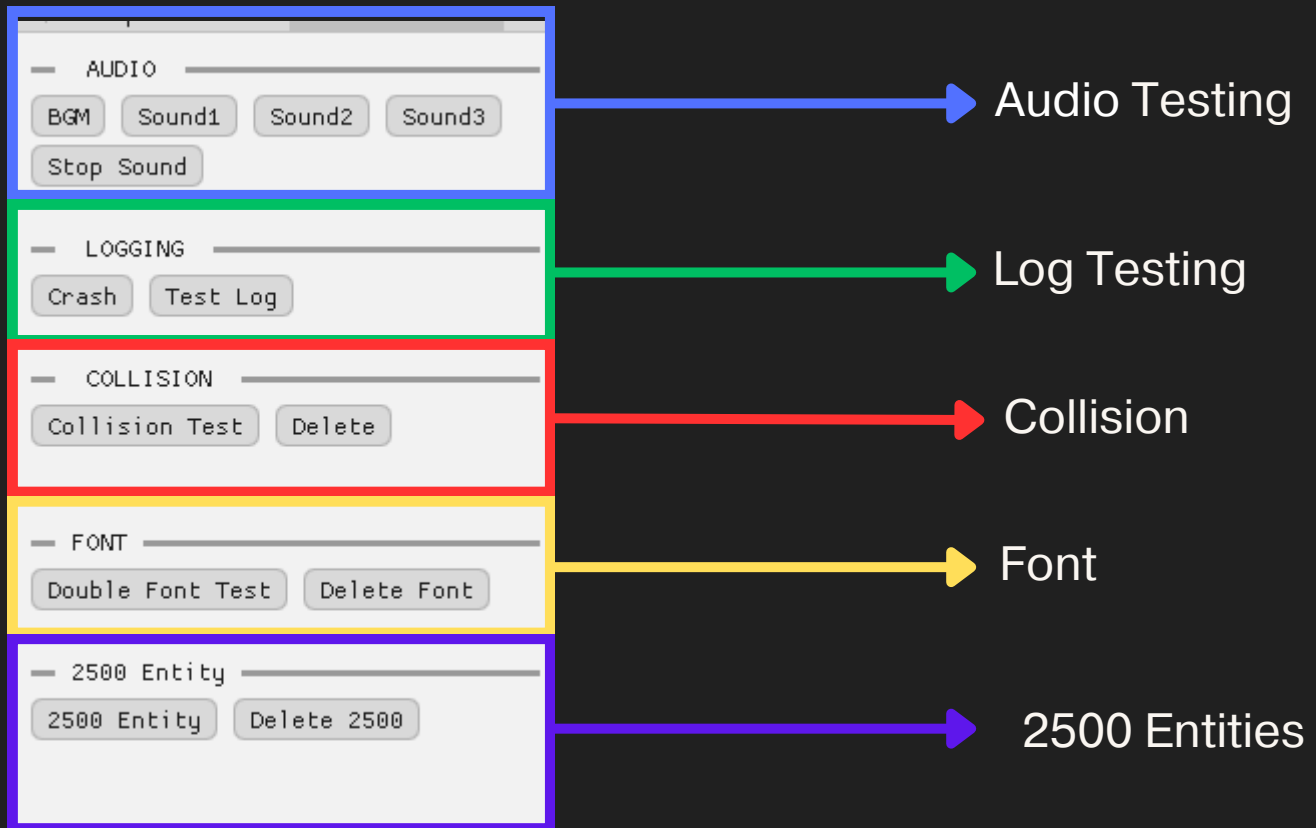


Breakdown of **System Performance** in relation to Engine Time

Shows **Current User Inputs** in Engine at runtime



6. TEST PANEL



Crash Testing

Below shows the log in the console.
It includes the file, function and the line of the code.

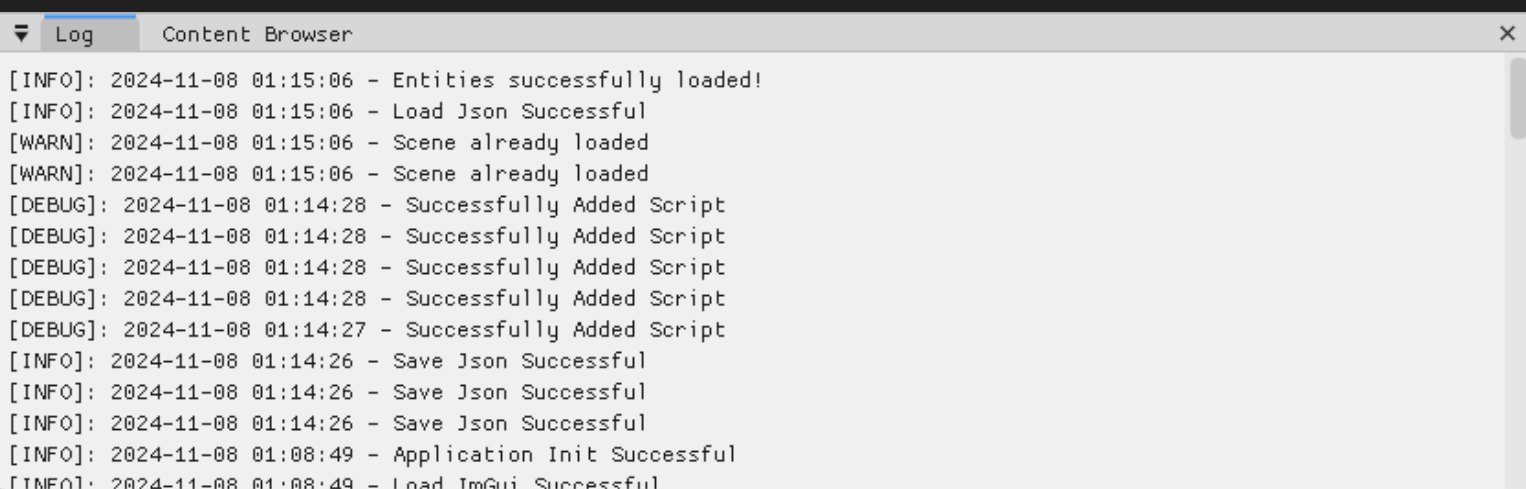
```
[INFO]: 2024-10-03 21:22:41 - About to trigger abort
[CRASH]: 2024-10-03 21:22:41 - Abort Signal received: SIGABRT: Program aborted
[CRASH]: 2024-10-03 21:22:41 - Frame 0: Function: backward::StackTraceImpl<backward::system_tag::windows_tag>::load_here in file: C:\GreyGoose\RoombaRampage\Dependencies\backward\backward.hpp at line: 1151
[CRASH]: 2024-10-03 21:22:41 - Frame 1: Function: logging::Logger::m_Abort_Handler in file: C:\GreyGoose\RoombaRampage\Debugging\Logging.cpp at line: 113
[CRASH]: 2024-10-03 21:22:41 - Frame 2: Function: raise (unknown source)
[CRASH]: 2024-10-03 21:22:41 - Frame 3: Function: abort (unknown source)
[CRASH]: 2024-10-03 21:22:41 - Frame 4: Function: gui::ImGuiHandler::DrawTestWindow in file: C:\GreyGoose\RoombaRampage\Application\ImGui Panels\imgui_test_panel.cpp at line: 66
[CRASH]: 2024-10-03 21:22:41 - Frame 5: Function: gui::ImGuiHandler::Render in file: C:\GreyGoose\RoombaRampage\Application\ImGui Panels\imgui_handler.cpp at line: 65
[CRASH]: 2024-10-03 21:22:41 - Frame 6: Function: Application::Application::Run in file: C:\GreyGoose\RoombaRampage\Application\Application.cpp at line: 158
[CRASH]: 2024-10-03 21:22:41 - Frame 7: Function: main in file: C:\GreyGoose\RoombaRampage\Application\main.cpp at line: 21
[CRASH]: 2024-10-03 21:22:41 - Frame 8: Function: __scrt_common_main_seh in file: D:\a_work\1\s\src\vctools\crt\vcstartup\src\startup\exe_common.inl at line: 288
[CRASH]: 2024-10-03 21:22:41 - Frame 9: Function: BaseThreadInitThunk (unknown source)
```

HOW TO USE

Logging Test

Below shows the different kind of logs.

```
[INFO]: 2024-10-03 21:30:35 - Testing of Logging Information 50
[DEBUG]: 2024-10-03 21:30:35 - Testing of Logging Debug
[ERROR]: 2024-10-03 21:30:35 - Testing of Logging Error with Source Location
FUNC: void __cdecl logging::Logger::m_TestingLog(void) LINE: 147 FILE: C:\GreyGoose\RoombaRampage\Debugging\Logging.cpp
[ERROR]: 2024-10-03 21:30:35 - Testing of Logging without source location
```



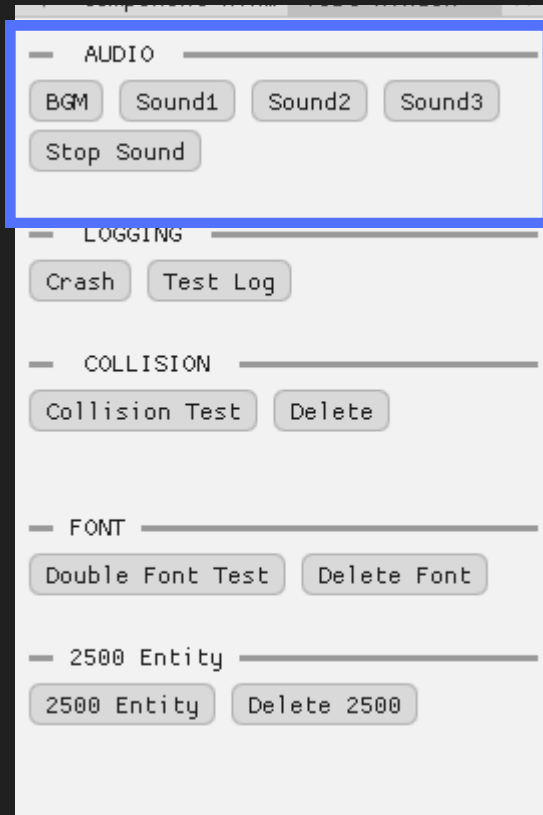
The screenshot shows a software window with two tabs: 'Log' (selected) and 'Content Browser'. The 'Log' tab displays a list of log messages with their timestamps, log levels, and descriptions. The messages include information about loading entities, JSON files, scenes, and scripts, as well as saving JSON files and application initialization.

```
[INFO]: 2024-11-08 01:15:06 - Entities successfully loaded!
[INFO]: 2024-11-08 01:15:06 - Load Json Successful
[WARN]: 2024-11-08 01:15:06 - Scene already loaded
[WARN]: 2024-11-08 01:15:06 - Scene already loaded
[DEBUG]: 2024-11-08 01:14:28 - Successfully Added Script
[DEBUG]: 2024-11-08 01:14:28 - Successfully Added Script
[DEBUG]: 2024-11-08 01:14:28 - Successfully Added Script
[DEBUG]: 2024-11-08 01:14:28 - Successfully Added Script
[DEBUG]: 2024-11-08 01:14:27 - Successfully Added Script
[INFO]: 2024-11-08 01:14:26 - Save Json Successful
[INFO]: 2024-11-08 01:14:26 - Save Json Successful
[INFO]: 2024-11-08 01:14:26 - Save Json Successful
[INFO]: 2024-11-08 01:08:49 - Application Init Successful
[INFO]: 2024-11-08 01:08:49 - Load ImGui Successful
```

GREY GOOSE



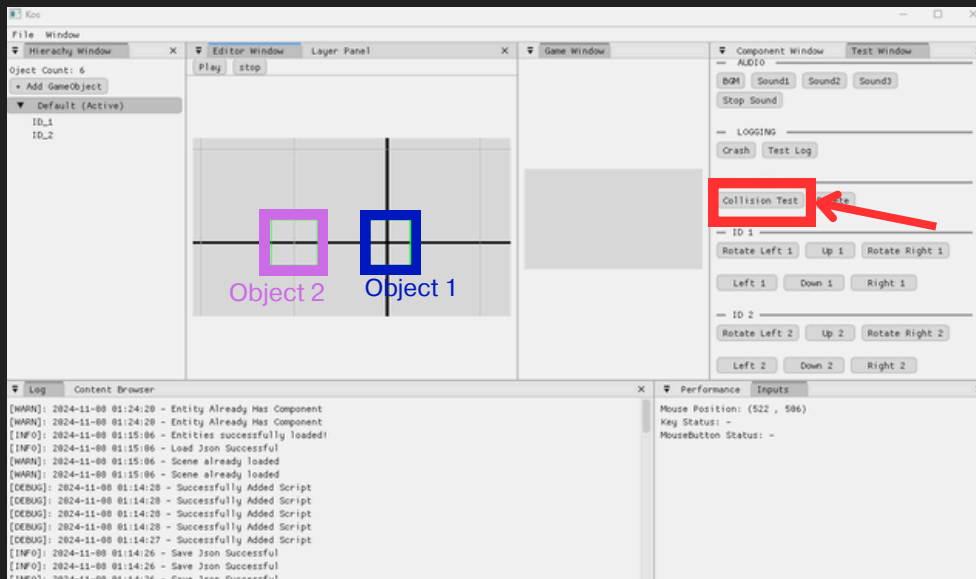
Audio Test



**Select the button for the
sound to play.**

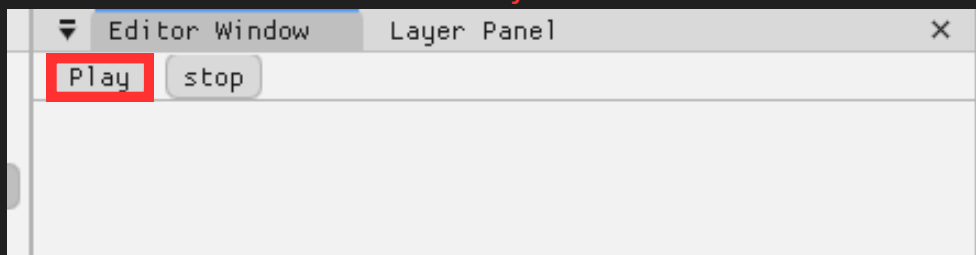
Press stop sound to end.

HOW TO USE Collision Test



Click on
"Collision Test"

Click on
"Play"



← Object 1

← Object 2

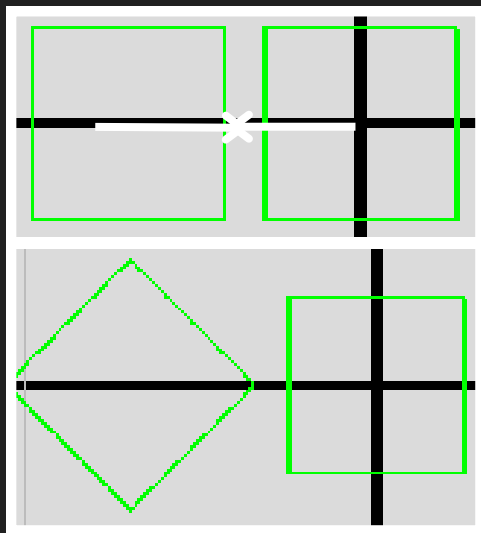
Move the 2 objects
using the buttons

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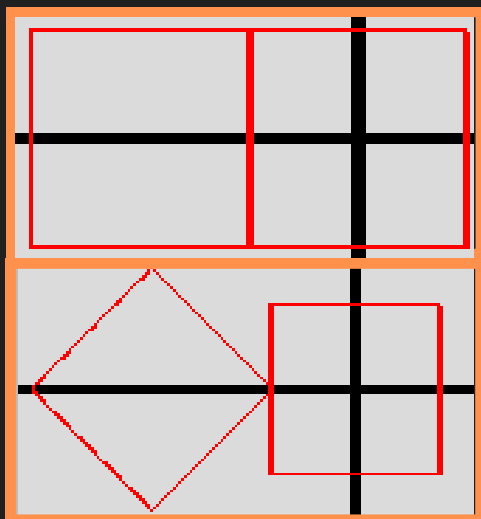


Collision Test

HOW TO USE



Objects move towards each other.

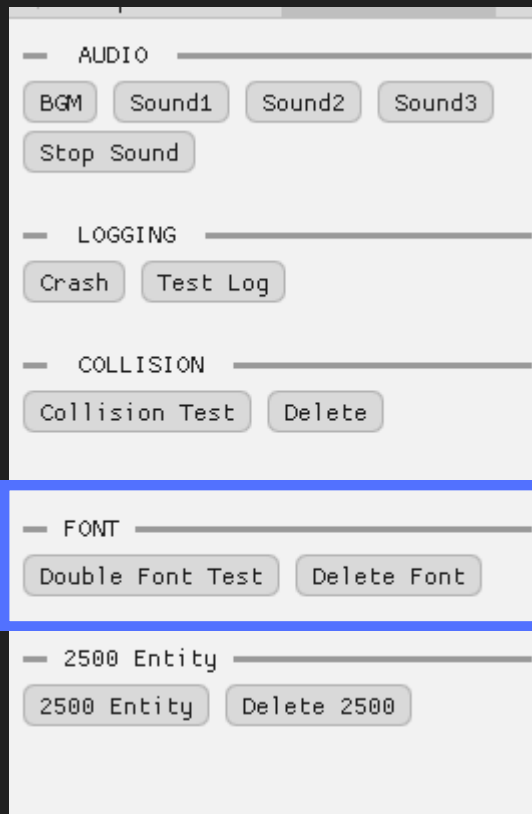


Once collided, both object will **stop** moving.

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7. FONT



Click on Font Test

Shows 2 Fonts

