



Show me the book

Decorate your metaverse with AI images from
the book you read

2023315028

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각 단어의 번역이 있는 책으로
영어를 배우세요



Motivation

There is an application where you can **read English books**, and if you click a word, it **shows the meaning and how it sounds**.

However, sometimes even with the meaning of the word in your language, you don't clearly picture the word.

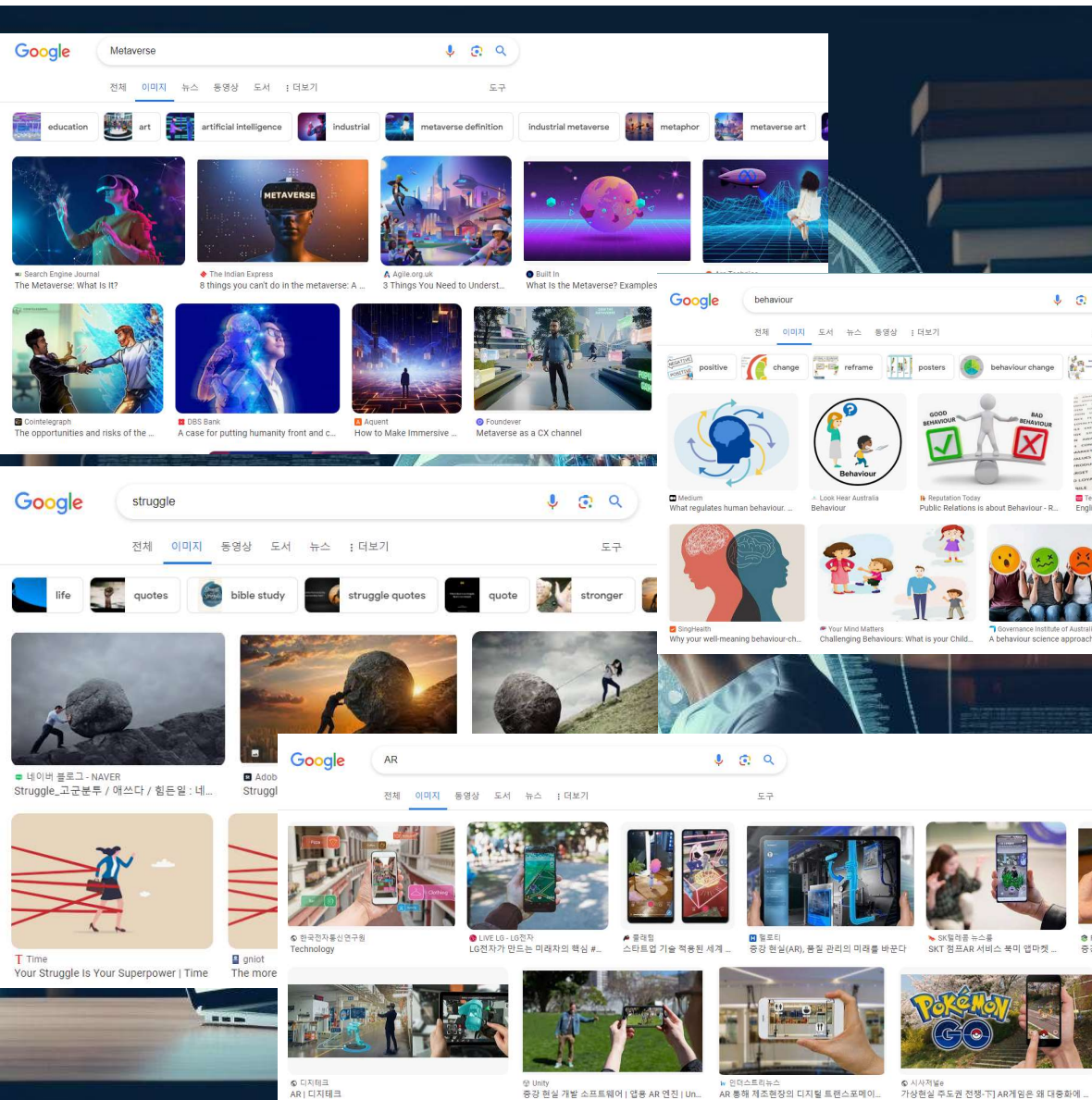
Motivation

Sometimes searching images of a word is **more intuitive** to understand the concept of the word.

I personally use **google image** to get to know new words.

However not every time the result matches the context I'm reading.

Can I **make an image** that matches the context of my reading?





Our product

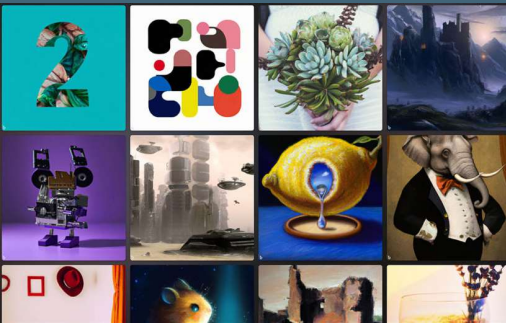
Learn new vocabularies with multimodal input such as **text**, **audio**, **images**

If the result is not satisfying, or you have a specific image in your mind, you can **generate the images with your own prompt!**

Save the AI images and **decorate your metaverse** with them.

Why?

Why images?



Text, Audio, Image

1. Multimodal Learning

many researchers have suggested that **multimodal** input helps to enhance second language (L2) **vocabulary learning**

2. Authentic Learning

allows students to explore, discuss, and meaningfully construct concepts and relationships in contexts that **involve real-world problems**

Why generative AI?



1. Getting used to writing

While writing prompts, student will make context of words themselves and get used to writing.

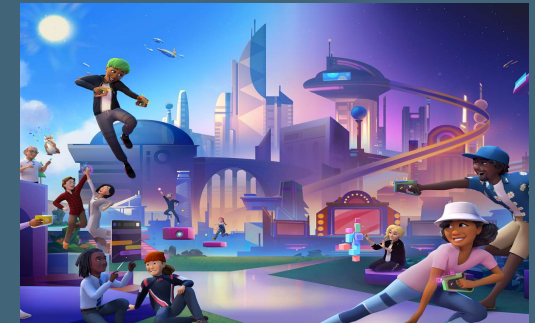
2. Wow-effect

Generating images using their own prompts is a new technology that people are getting interested in recently. -> High motivation to learn

3. Learning Context

When students learn new words, context of the word is important. Not only can they see the context from images but also create context to generate images.

Why Metaverse?

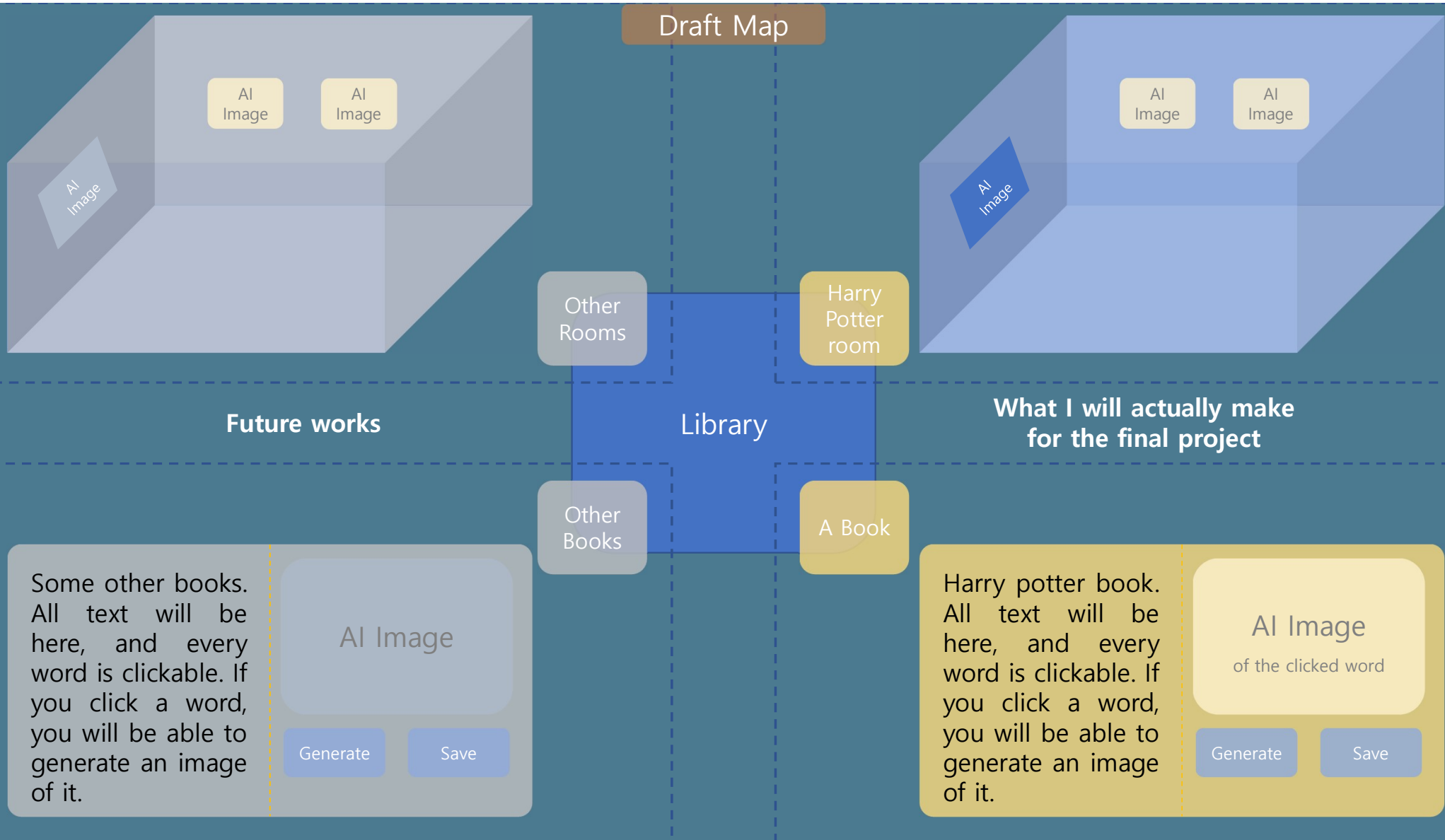


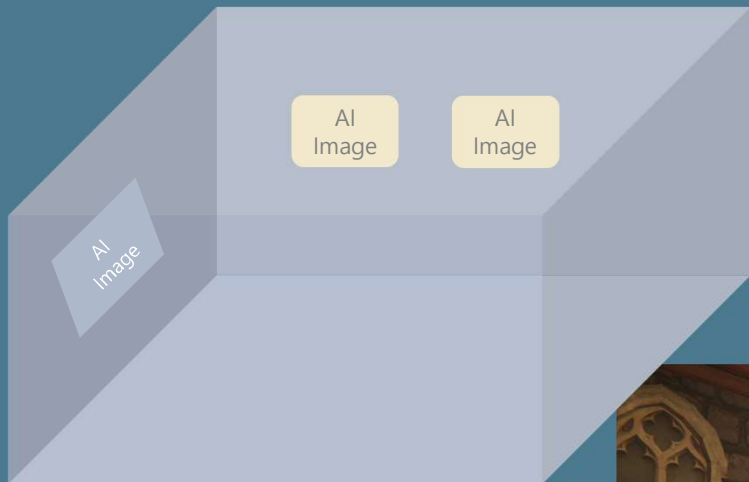
1. Competitive motivation

Students can decorate with the AI images and show their own metaverse.

2. Cooperative Learning

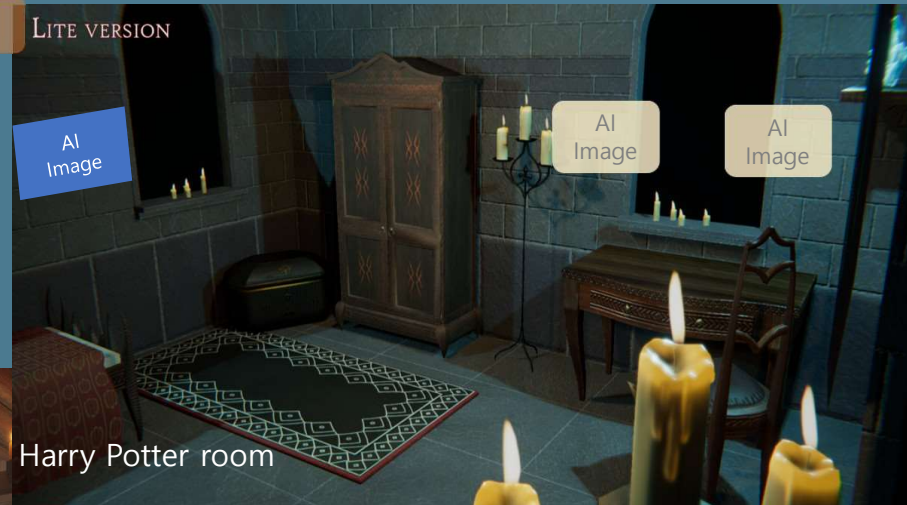
Students also can cooperate to decorate the metaverse with friends





Draft Map

LITE VERSION



Harry Potter room

Future works



What I will actually make for the final project

Some other books. All text will be here, and every word is clickable. If you click a word, you will be able to generate an image of it.

AI Image

Generate

Save

Harry potter book. All text will be here, and every word is clickable. If you click a word, you will be able to generate an image of it.

AI Image

of the clicked word

Generate

Save

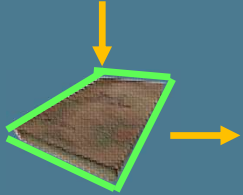
Main Scene - Plan



Main Scene - Result



A Book (Harry Potter)
Click -> Book UI

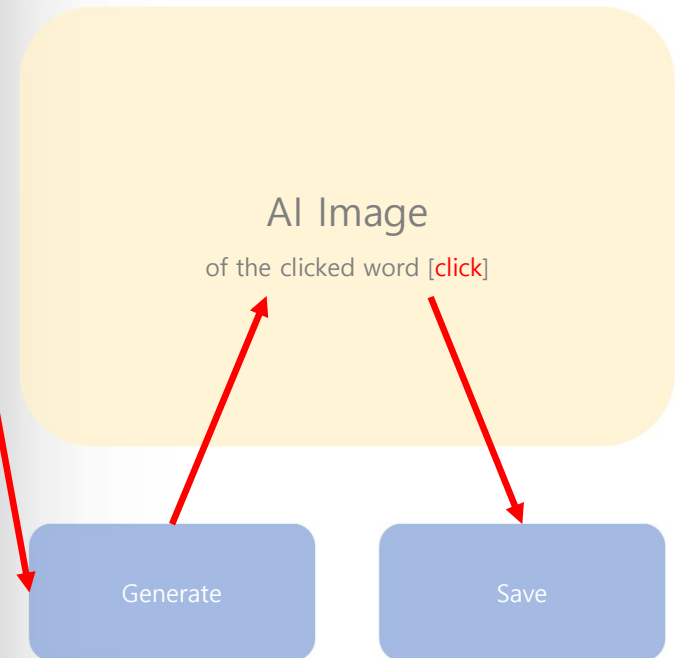


Book UI - Plan

Harry potter book. All text will be here, and every word is clickable. If you **click** a word, you will be able to generate an image of it.

Harry potter book. All text will be here, and every word is clickable. If you click a word, you will be able to generate an image of it.

Harry potter book. All text will be here, and every word is clickable. If you click a word, you will be able to generate an image of it.



Book UI - Result

ONE THE BOY WHO LIVED Mr. and Mrs. Dursley, of number four, Privet Drive, were proud to say that they were perfectly normal, thank you very much. They were the last people you'd expect to be involved in anything strange or mysterious, because they just didn't hold with such nonsense. Mr. Dursley was the director of a firm called Grunnings, which made drills. He was a big, beefy man with hardly any neck, although he did have a very large mustache. Mrs. Dursley was thin and blonde and had nearly twice the usual amount of neck, which came in very useful as she spent so much of her time craning over garden fences, spying on the neighbors. The Dursleys had a small son called Dudley and in their opinion there was no finer boy anywhere. The Dursleys had everything they wanted, but they also had a secret, and their greatest fear was that somebody would discover it. They didn't think they could bear it if anyone found out about the Potters. Mrs. Potter was Mrs. Dursley's sister, but they hadn't met for several years. In fact, Mrs. Dursley pretended she didn't have

1 / 6

Enter a file you want to upload...

"word": "perfectly"

"text": "/ps:frkti/"

"definition": "With perfection."

"example": "They completed the first series perfectly."

<https://api.dictionaryapi.dev/media/pronunciations/en/perfectly-us.mp3>

Audio

Save the image as....

Default-The clicked word

Save

Generate Clicked word

perfectly

Generate

Generate using a prompt

type a description here of what you'd like to see.

Generate

Harry Potter Room (Portal)
Interacting -> Enter the room



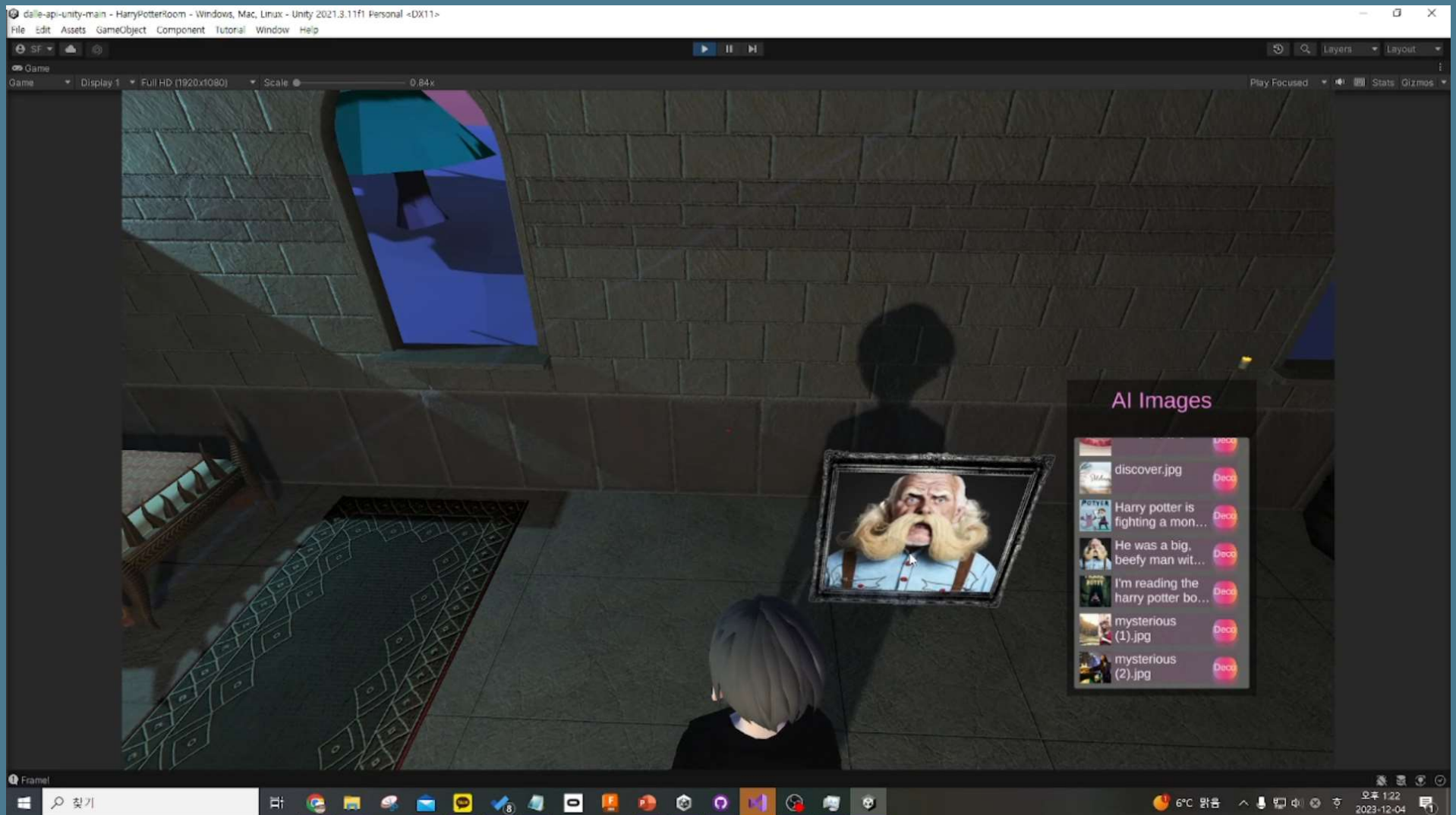
Harry Potter Room - Plan



Harry Potter Room - Result



Harry Potter Room - Result



Learning words

ONE THE BOY WHO LIVED Mr. and Mrs. Dursley, of number four, Privet Drive, were proud to say that they were perfectly normal, thank you very much. They were the last people you'd expect to be involved in anything strange or mysterious, because they just didn't hold with such nonsense. Mr. Dursley was the director of a firm called Grunnings, which made drills. He was a big, beefy man with hardly any neck, although he did have a very large mustache. Mrs. Dursley was thin and blonde and had nearly twice the usual amount of neck, which came in very useful as she spent so much of her time craning over garden fences, spying on the neighbors. The Dursleys had a small son called Dudley and in their opinion there was no finer boy anywhere. The Dursleys had everything they wanted, but they also had a secret, and their greatest fear was that somebody would discover it. They didn't think they could bear it if anyone found out about the Potters. Mrs. Potter was Mrs. Dursley's sister, but they hadn't met for several years. In fact, Mrs. Dursley pretended she didn't have



Enter a file you want to upload...

1 / 6

"word": "somebody"

"text": "/ˈsʌmbədi/"

Audio

"definition": "A recognised or important person, a celebrity."

"example": "I'm tired of being a nobody – I want to be a somebody."

<https://api.dictionaryapi.dev/media/pronunciations/en/somebody-us.mp3>



Save the image as....

Default-The clicked word

Save

Generate Clicked word

somebody


Generate

Generate using a prompt
type a description here of what you'd like to see.

Generate

Generating AI images

ONE THE BOY WHO LIVED Mr. and Mrs. Dursley, of number four, Privet Drive, were proud to say that they were perfectly normal, thank you very much. They were the last people you'd expect to be involved in anything strange or mysterious, because they just didn't hold with such nonsense. Mr. Dursley was the director of a firm called Grunnings, which made drills. He was a big, **beefy** man with hardly any neck, although he did have a very large mustache. Mrs. Dursley was thin and blonde and had nearly twice the usual amount of neck, which came in very useful as she spent so much of her time craning over garden fences, spying on the neighbors. The Dursleys had a small son called Dudley and in their opinion there was no finer boy anywhere. The Dursleys had everything they wanted, but they also had a secret, and their greatest fear was that somebody would discover it. They didn't think they could bear it if anyone found out about the Potters. Mrs. Potter was Mrs. Dursley's sister, but they hadn't met for several years. In fact, Mrs. Dursley pretended she didn't have



Enter a file you want to upload...

1 / 6

"word": "beefy"

"text": "/ 'bi:fi/"

Audio

"definition": "Similar to, or tasting like beef."

"example": "The barman was a big, beefy guy with his sleeves rolled up and tattoos on his arms."

None

Save the image as....

Default-The clicked word

Save

Generate Clicked word

beefy

Generate

Generate using a prompt

type a description here of what you'd like to see.

Generate

Generating AI images

ONE THE BOY WHO LIVED Mr. and Mrs. Dursley, of number four, Privet Drive, were proud to say that they were perfectly normal, thank you very much. They were the last people you'd expect to be involved in anything strange or mysterious, because they just didn't hold with such nonsense. Mr. Dursley was the director of a firm called Grunnings, which made drills. He was a big, beefy man with hardly any neck, although he did have a very large mustache. Mrs. Dursley was thin and blonde and had nearly twice the usual amount of neck, which came in very useful as she spent so much of her time craning over garden fences, spying on the neighbors. The Dursleys had a small son called Dudley and in their opinion there was no finer boy anywhere. The Dursleys had everything they wanted, but they also had a secret, and their greatest fear was that somebody would discover it. They didn't think they could bear it if anyone found out about the Potters. Mrs. Potter was Mrs. Dursley's sister, but they hadn't met for several years. In fact, Mrs. Dursley pretended she didn't have

1 / 6


wordText

phoneticText

definitionText

exampleText

Audio URL



Save the image as....

Generate Clicked word

Meaning

beefy man with hardly any neck, although he did have a very large mustache.