



HOLY ANGEL UNIVERSITY

School of Computing

A.Y. 2025 - 2026

Second Semester



Word Dictionary Tests

Multimodal Dictionary

[Word Lookup](#) [Image Analysis](#)

Search Dictionary

Type a word:

serendipity

Define Word

Serendipity

Part of Speech

noun

Definition

good luck in making unexpected and fortunate discoveries

▼ More Details

Examples:

(no example available)

Synonyms:

(none)

Definition of 'serendipity' showing Part of Speech and Synonyms.



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Multimodal Dictionary

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Search Dictionary

Type a word:

photosynthesis

Define Word

Part of Speech

noun

Photosynthesis

Definition

synthesis of compounds with the aid of radiant energy (especially in plants)

▼ More Details

Examples:

(no example available)

Synonyms:

(none)

Definition of scientific term 'photosynthesis'.



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Multimodal Dictionary

[Word Lookup](#) [Image Analysis](#)

Search Dictionary

Type a word:

serendipitee

[Define Word](#)

Serendipitee

Part of Speech

unknown

Definition

No entry found. Check spelling or try a simpler term.

▼ More Details

Examples:

N/A

Synonyms:

N/A

Graceful error handling for unknown word 'serendipitee'.



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Multimodal Dictionary

[Word Lookup](#) [Image Analysis](#)

Search Dictionary

Type a word:

bomb

[Define Word](#)

Request refused: Unsafe content detected.

Safety module refusing unsafe content.



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Image Analysis Tests

Multimodal Dictionary

Word Lookup [Image Analysis](#)

Identify Object

Upload an image



Drag and drop file here

Limit 200MB per file • PNG, JPG, JPEG

[Browse files](#)

cat.jpg 6.8KB

X

The `use_column_width` parameter has been deprecated and will be removed in a future release. Please utilize the `width` parameter instead.



Preview

Analyze Image

Label: SIAMESE CAT

Description:

An image likely containing: Siamese cat.

💡 Context: The term 'Siamese cat' refers to a common object or concept categorized by the ResNet50 image classifier. It identifies the dominant visual feature.

Image analysis correctly identifying 'Siamese cat' with description.



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Multimodal Dictionary

Word Lookup [Image Analysis](#)

Identify Object

Upload an image

Drag and drop file here
Limit 200MB per file • PNG, JPG, JPEG

 mug.jpg 2.3MB X

The `use_column_width` parameter has been deprecated and will be removed in a future release. Please utilize the `width` parameter instead.



Preview

Analyze Image

Label: COFFEE MUG

Description:

An image likely containing: coffee mug.

💡 Context: The term 'coffee mug' refers to a common object or concept categorized by the ResNet50 image classifier. It identifies the dominant visual feature.

Image analysis correctly identifying 'coffee mug'.



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Unit Tests

```
TERMINAL      CHAT

PS E:\Users\SOC\Downloads\MidtermJimenez> pytest
===== test session starts =====
platform win32 -- Python 3.13.5, pytest-9.0.2, pluggy-1.6.0
rootdir: E:\Users\SOC\Downloads\MidtermJimenez
collected 5 items

tests\test_images.py ..          [ 40%]
tests\test_words.py ...         [100%]

===== 5 passed in 3.27s =====
PS E:\Users\SOC\Downloads\MidtermJimenez>
```

All unit tests passed (test_words.py and test_images.py).