

Explanation Generator

Input

```
{
  "img": "base64",
  "objects" : [
    {
      "heatmap": "image",
      "label": "portugal",
      "probability": 0.9,
      "parts": [
        {
          "img": "base64",
          "relevancy": 0.3,
          "rect": "",
          "labels": {
            "portugal": [
              "hills"
            ]
          }
        },
        {
          "img": "base64",
          "relevancy": 0.5,
          "rect": "",
          "labels": {
            "portugal": [
              "traffic light"
            ]
          }
        }
      ]
    },
    {
      "img": "base64",
      "relevancy": 0.5,
      "rect": "",
      "labels": {
        "portugal": [
          "building"
        ]
      }
    }
  ]
}
```

Output

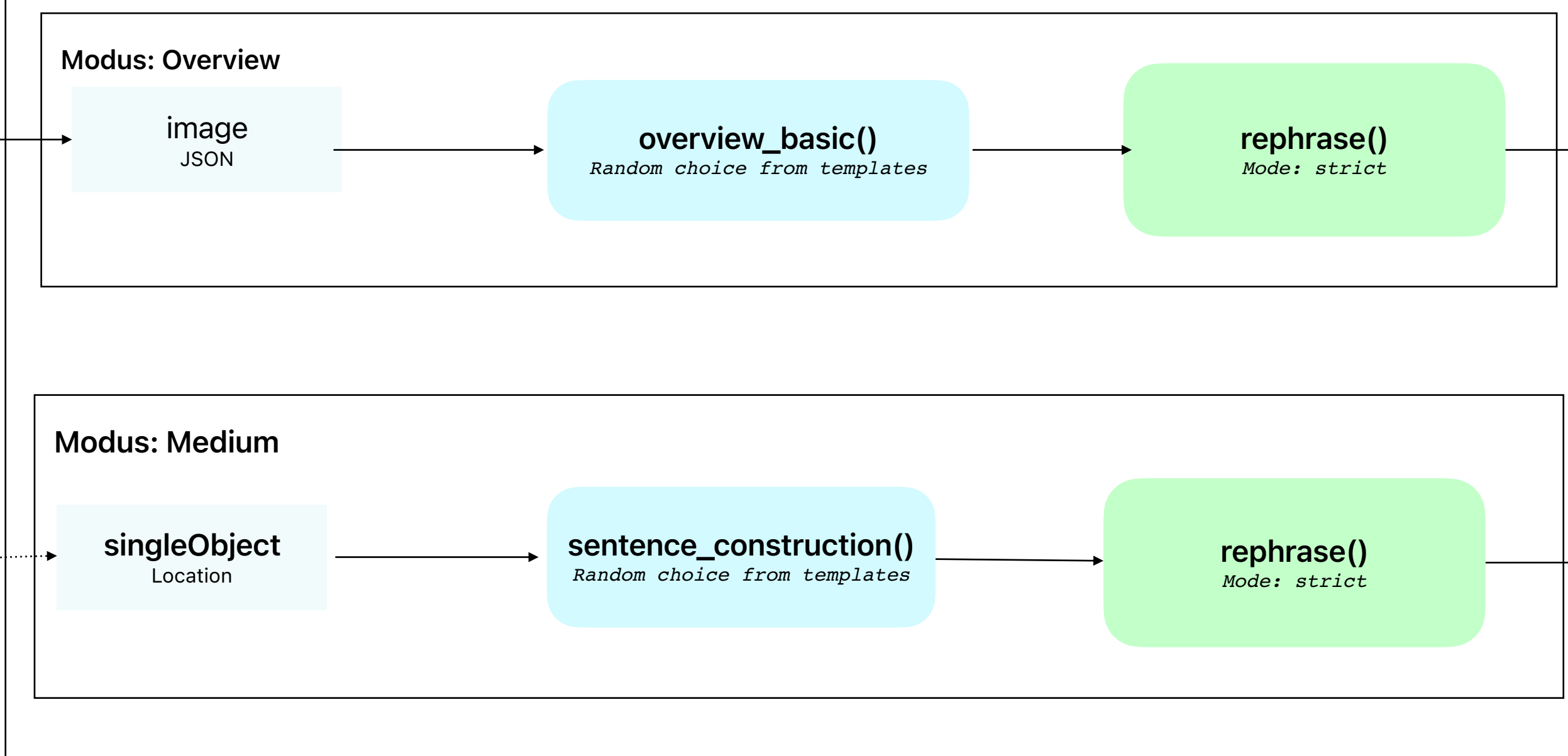
Return Value

```
{
  "overview": "The view was classified as Portugal.",
  "portugal": {
    "medium": "The image was classified as Portugal with a high degree of certainty. The location was identified based on the presence of a traffic light, a building, and hills with a moderate degree of relevance.",
    "detailed": "The model classified the image as Portugal with a high degree of certainty. The country is located on the Iberian Peninsula in Southwestern Europe and its territory also includes the Macaronesian archipelagos of the Azores and Madeira. The image was located in a busy intersection due to the red traffic light with a 50% relevance to the topic. The location of the image was identified due to the building with a high percentage of relevance. The building was detected as Bolsa Palace. Portugal is located in the western Mediterranean Sea and has a diverse geography, including rolling hills, mountains, and coastlines. The country is known for its rich cultural heritage, beautiful beaches, and unique cuisine. The classification of Portugal was influenced by its hills, as the landscape is characterized by rolling hills in the north and much of the country is covered in olive trees. Despite having the same license plates and utility poles as Madeira, the Azores stands out due to its flatter geography and lack of steep mountains, making it a unique destination in Portugal."
  }
}
```

Language Model V3 - Geoguesser

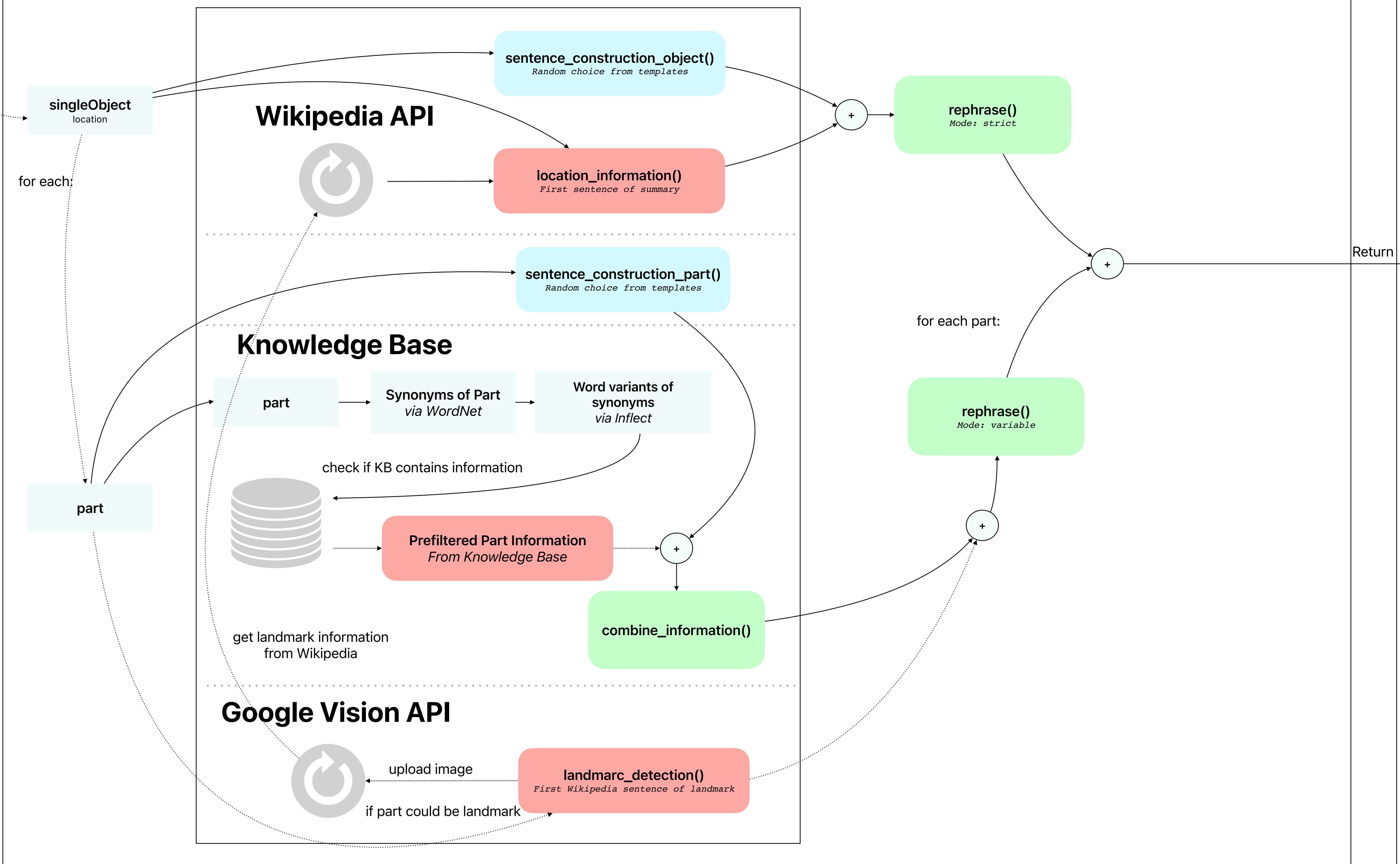
Complexity: Naiv ● Language Model ● Knowledge Base ●

Classification Decision



Extra Information

Information Generator



Modus: Evaluation

classification_evaluation() rates classification based on probability and connection from objects to country

Classification Report []

Return

Length in Geoguesser Context= 1

filter and sort

image JSON

objects[] JSON List

for each:

singleObject location

part

part

Knowledge Base

Google Vision API

upload image

if part could be landmark

get landmark information from Wikipedia

check if KB contains information

Synonyms of Part via WordNet

Word variants of synonyms via Inflect

sentence_construction_part() Random choice from templates

location_information() First sentence of summary

sentence_construction_object() Random choice from templates

Information Generator

Extra Information

Classification Decision

Modus: Medium

Modus: Overview

Complexity: Naiv ● Language Model ● Knowledge Base ●

Language Model V3 - Geoguesser

Input

Output

Return Value

Return

Return

Return

Return

Return

Return