Godly Gifts

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Overview

For this project, we went with a "Choose Your Character!" website design based on pantheons. Pantheons were linked to highlighted regions: Norway for Norse Mythology, Greece for Greek Mythology, and Egypt for Egyptian Mythology. Once area has been chosen; a dropdown select allows users to choose certain gods which will have their info populated on the webpage dynamically! Awesome!

Data Dissection:

- God info imported (scraped) from Wiki pages

- Aspects were added by hand

- Sorted based on mythologies then aspects

Backend Woes

- Figuring out how to deploy Flask/backend API took a good 2 days of research and asking knowledgeable sources (shoutout to good teaching staff)
- Once backend was configured parameters needed to be tested and logic needed to be developed to return data
- After front-end developed early version of Javascript file and HTML files it made figuring out the parameters problem simple

Image scraping

Used SerpAPI to scrape images of each god and goddess from Google Images
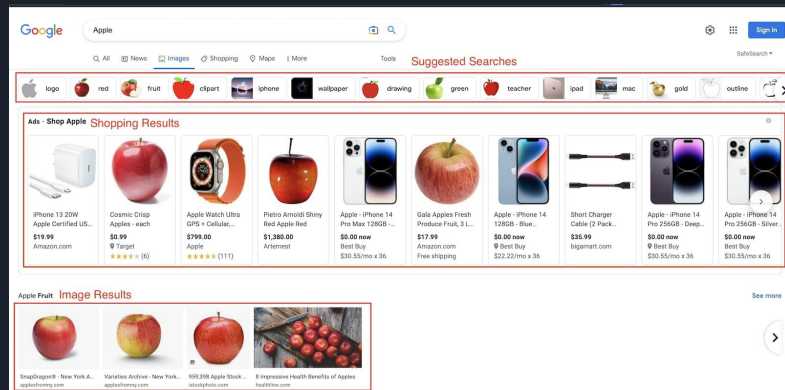
```python
image_results = []

for query in ["God1", "God2", "God3", "God4"]:
    params = {
        "engine": "google",            # search engine, in this case Google.
        "q": query,                    # search query
        "tbm": "isch",                 # image results
        "num": "1",                    # number of images per page, we want just first one
        "ijn": 0,                      # page number: 0
        "api_key": os.getenv("API_KEY")   # serpapi api key
    }

    images_is_present = True
    while images_is_present:
        results = search.get_dict()        # JSON -> Python dictionary

        # checks for "Google hasn't returned any results for this query."
        if "error" not in results:
            for image in results["images_results"]:
                if image["original"] not in image_results:
                    print(image["original"])
                    image_results.append(image["original"])

            # update to the next page
            params["ijn"] += 1
        else:
            images_is_present = False
            print(results["error"])
```

Resources

GitHub Pages:

https://nebulacrasher.github.io/Godly-gifts-geolocator/

Code Base:
https://github.com/NebulaCrasher/Godly-gifts-geolocator

Dataset Sources:

Website Demo

https://NebulaCrasher.github.io/Godly-gifts-geolocator/

Website Demo

Ta Da 😁