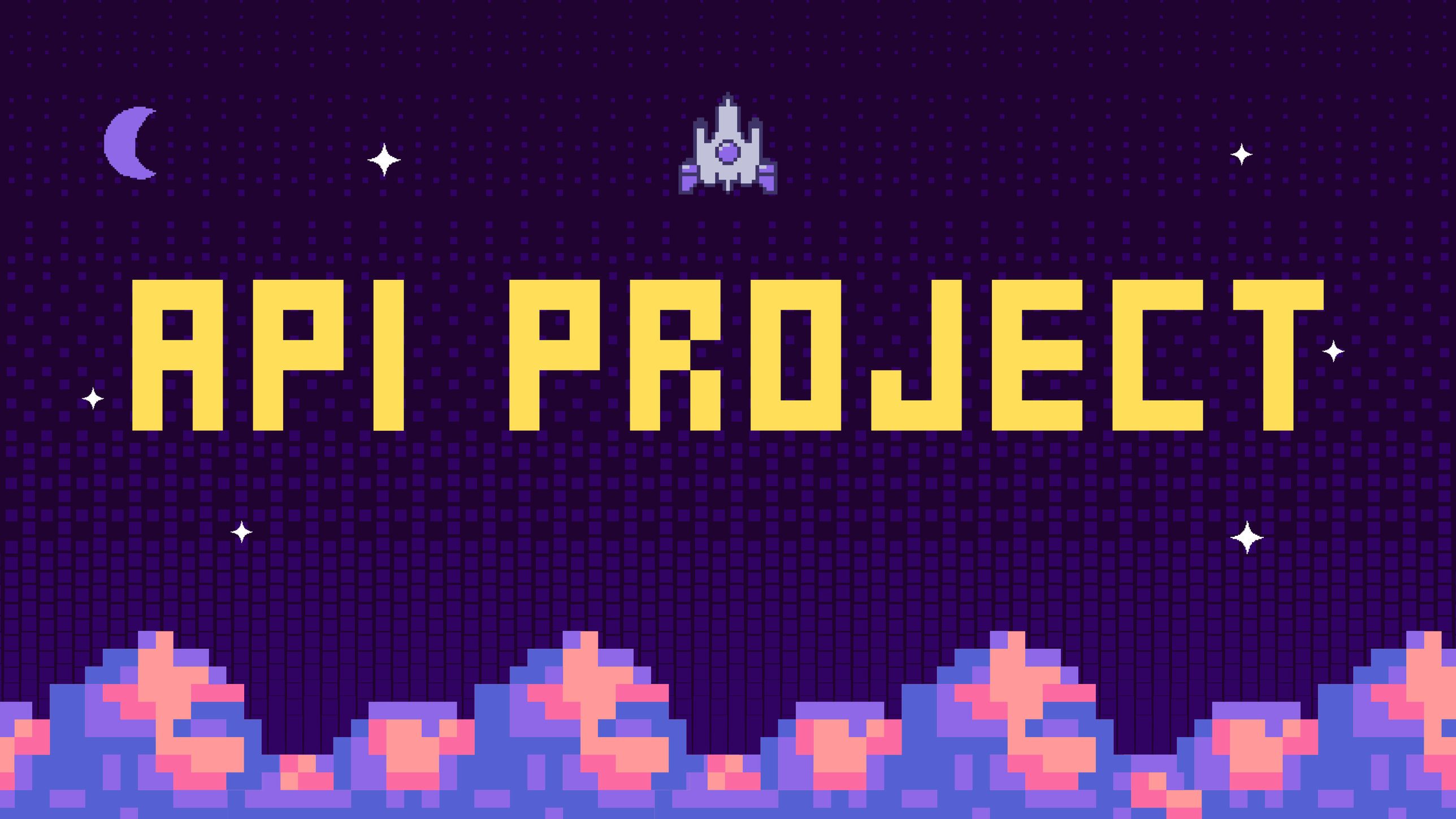
API PROJECT

PROBLEM

TOO MUCH TIME IS WASTED TRYING TO FIND THE COST OF ITEMS IN AMAZON

WITH OUR CODE YOU CAN NOW SEE THE MAXIMUM, MINIMUM AND AVERAGE PRICES OF ANY SPECIFIC ITEM

IMPORT LIBRARIES

```
IMPORT REQUESTS
IMPORT JSON
```

GET THE API OF THE ITEM

```
4   item = input("What item do you want to get the cost of? ")
5
6
7   url = "https://real-time-amazon-data.p.rapidapi.com/search"
8   querystring = {"query":item,"page":"1","country":"US","sort_by":"RELEVANCE","product_condition":"ALL","is_prime":"false","deals_and_discounts":"NONE"}
9   headers = {
10      "x-rapidapi-key": "c552623fe7mshd9712a58ac46689p1250c4jsne1ea665b16d2",
11      "x-rapidapi-host": "real-time-amazon-data.p.rapidapi.com"
12  }
13  response = requests.get(url, headers=headers, params=querystring)
```

FIND THE COST AND PRINT MAX, MIN, AND MEAN

```
18  prices = []
19  for price in response.json()["data"]["products"]:
20      prices.append(float(price["product_price"].replace("$","")))
21
22  print(f"The max price is: ${max(prices)}")
23  print(f"The minimum price is: ${min(prices)}")
24  total = 0
25  for money in prices:
26      total += money
27  print(f"The average price is: ${total/len(prices):.2f}")
```

CODE

```python
import requests
import json

item = input("What item do you want to get the cost of? ")


url = "https://real-time-amazon-data.p.rapidapi.com/search"
querystring = {"query":item,"page":"1","country":"US","sort_by":"RELEVANCE","product_condition":"ALL","is_prime":"false","deals_and_discounts":"NONE"}
headers = {
    "x-rapidapi-key": "c552623fe7mshd9712a58ac46689p1250c4jsne1ea665b16d2",
    "x-rapidapi-host": "real-time-amazon-data.p.rapidapi.com"
}
response = requests.get(url, headers=headers, params=querystring)

# print(response.json())
# print(response.json()["data"]["products"][0]["product_price"])

prices = []
for price in response.json()["data"]["products"]:
    prices.append(float(price["product_price"].replace("$","")))

print(f"The max price is: ${max(prices)}")
print(f"The minimum price is: ${min(prices)}")
total = 0
for money in prices:
    total += money
print(f"The average price is: ${total/len(prices):.2f}")
```

JOSEPH WHETTEN

ALYSSA ALVARADEJO

THANK YOU

GOODBYE!