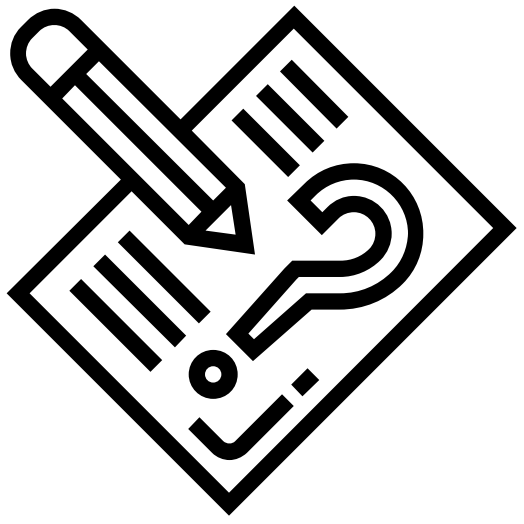




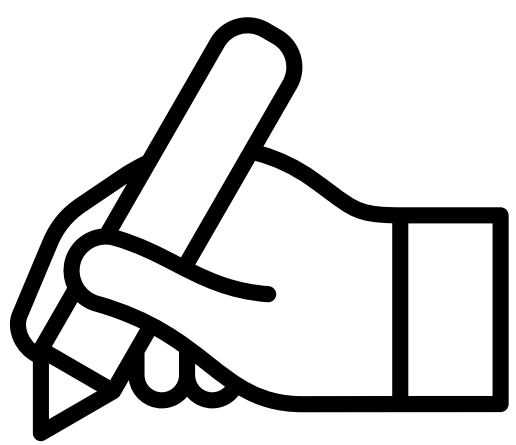
APGeoBot



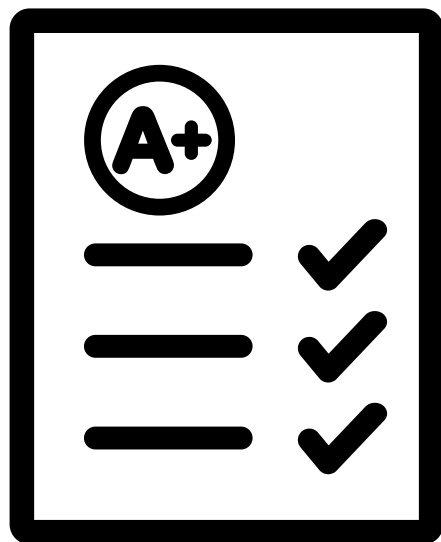
What It does



The program generates a question similar to one on the AP Human Geography exam using the OpenAI API



The user responds to the prompt give by the program



The program then gives feedback for the user's answer and a potential score using external data and the OpenAI API

Example Questions

```
Question:
### Free Response Question: Urbanization and Its Impacts

**Context:**
Urbanization is a significant global trend that has resulted in a diverse range of
---

**A.** Define urbanization and explain two reasons why urbanization rates have in
**B.** Describe one positive and one negative socio-economic consequence of rapid
**C.** Using an example, illustrate how urban sprawl affects the environment in a
```

Example Feedback

```
Feedback:
Based on your responses to the AP Human Geography test-style questions about the global coffee

**A:** Describe the typical location and characteristics of coffee-growing areas in terms of clim

Your Answer: "They are usually tropical areas suitable for growing coffee."
Feedback: This answer is partially accurate as it identifies the climatic zone (tropical) but
Score: 0

**B:** Explain how coffee production can influence the economic structure of a developing country

Your Answer: "It can boost the economy by serving as a profitable economic sector."
Feedback: While essentially correct, this response is overly simplistic and does not elaborate
Score: 0
```

The Process

- Setting everything up was the hardest part for me
- I used resources like the OpenAI and Lanchain website guides

What I changed

- Simpler program than I originally intended
- Used a limited amount of external data
- I didn't make it into a shareable application/website