Tech task

Create a generic tool that can fetch price of a given product from multiple websites based on the country the consumer is shopping from. It should ideally fetch rates from all websites selling the product for a given country, and ensure that the product matches with the requirement.

Example input:

- `{"country": "US", "query":"iPhone 16 Pro, 128GB"}`

- `{"country": "IN", "query": "boAt Airdopes 311 Pro"}`

Note that, we expect the tool to work **across ALL countries** for **EVERY category** of products typically sold online. We expect the tool to be, therefore, capable of looking for prices from **ANY applicable website**.

We expect the tool to produce list of results ranked in ascending of price:

Sample output:

```
[
    {
        "link":"https://apple.in/...",
        "price":"999",
        "currency":"USD",
        "productName":"Apple iPhone 16 Pro",
        "parameter1" : .....
    },
    ...
]
```

Evaluation criteria:

Your solution will be judged on all of the following [no-specific order treat all points as equally significant]:

- **Accuracy & Reliability:** Any result produced should be accurate. The parsed data like productName and price must match with what is given in the source url. Further only the products that actually match the user's query should be fetched.

- **Coverage:** The tool will be judged on the fact that can it fetch information for all types of products, not just limited to few category of products or few popular websites or 2-3 countries.

- **Quality:** The solution will be judged on the quality of results produced. For example, mobile phones may be cheaper on websites like sangeetha mobiles that might be more relevant in the country provided [not always true, depends on the product].

P.S. while it's not compulsory, but brownie points for using LLMs/AI to create a better tool.

Submission instructions:

- Hosted URL. Please host your solution in any online platform (like Vercel) and provide a URL for us to test. Frontend is not mandatory but preferred if possible. If frontend is not developed, then ensure the github repo includes **working curl** request(s) for us to test. The curl should be mentioned in the readme section of the repo properly.

- Github repo link (public repo)
  - The repo **must** include complete instructions to test [including all dependencies]. Preferred dockerised applications to prevent issues arising due to dependency mismatch. While we will attempt our best to ensure no errors occur due to our testing environment (even if your testing instructions are insufficient), we will reject applications which fail tests.
  - The repo must have proof of working for query: `{"country": "US", "query":"iPhone 16 Pro, 128GB"}` - video or image.
  - Working example curl request if no frontend for the tool.
- Use this form to submit your application: https://forms.gle/QLFB7zD15JncCHnJ7