How-To: Query MySQL, Call a Remote API, and Query ChatGPT (Team Environment)

Your team endpoint is protected at: `https://teamX.sunshinespend.com/bot`
Send JSON: `{"question":"..."}` and you'll hit your Flask `/pyapp/ask`.

1) Ask ChatGPT (via local proxy; **no API keys in your code**)

Use the provided helper:

```python
# /srv/groups/team0X/python/chatgpt_client.py

from chatgpt_client import ask_chatgpt

answer = ask_chatgpt([

    {"role":"user","content":"Explain SunshineSpend in one sentence."}

], model="gpt-4o-mini", temperature=0.3)

print(answer)
```

Under the hood it calls the local proxy at
`http://127.0.0.1:8088/v1/chat/completions`.
You can also call it directly:

```python
import requests

proxy = "http://127.0.0.1:8088"

payload = {"model":"gpt-4o-mini","messages":[{"role":"user","content":"hello"}]}

r = requests.post(f"{proxy}/v1/chat/completions", json=payload, timeout=30)

print(r.json())
```

2) Call a remote API

Adapt the example in `/srv/groups/team0x/remote_api.py`:

```
import requests

def get_example_resource():

    url = "https://api.example.com/v1/resource?limit=3"  # replace me

    r = requests.get(url, timeout=10)

    r.raise_for_status()

    return r.json()
```

3) Query your local MySQL (parameterized)

`/srv/groups/team0X/db.py` contains a safe example:

```
from db import find_physicians_by_last

rows = find_physicians_by_last("Smith", limit=5)

for r in rows:

    print(r["first_name"], r["last_name"], r["npi"])
```

Set your DB env (ask admin for your password):

```
export DB_HOST=localhost

export DB_NAME=team0Xdb

export DB_USER=team0Xu

export DB_PASS=YOUR_PASSWORD
```

4) Combine them in `/pyapp/ask`

`wsgi.py` already includes a working `/ask` that:

- extracts a possible last name,
- calls `lookup_hcp()`,
- queries `find_physicians_by_last(...)`,
- sends both snippets to ChatGPT, and

- returns `{"answer": "...", "used_context": true/false}`.

5) Test your endpoint

- Browser will prompt for Basic Auth.
- CLI (replace PASSWORD):

curl -s -u team0X:PASSWORD -X POST https://teamX.sunshinespend.com/bot   -H 'Content-Type: application/json' -d '{"question":"Find Dr. Smith"}' | jq .

Notes

- You don't need any OpenAI keys—**the proxy holds a shared key**.
- Ask the admin for your MySQL password (per-team).
- Keep logs minimal, see: `/srv/groups/team0X/logs/`
- If your changes don't show up, ask the admin to restart your gunicorn service.