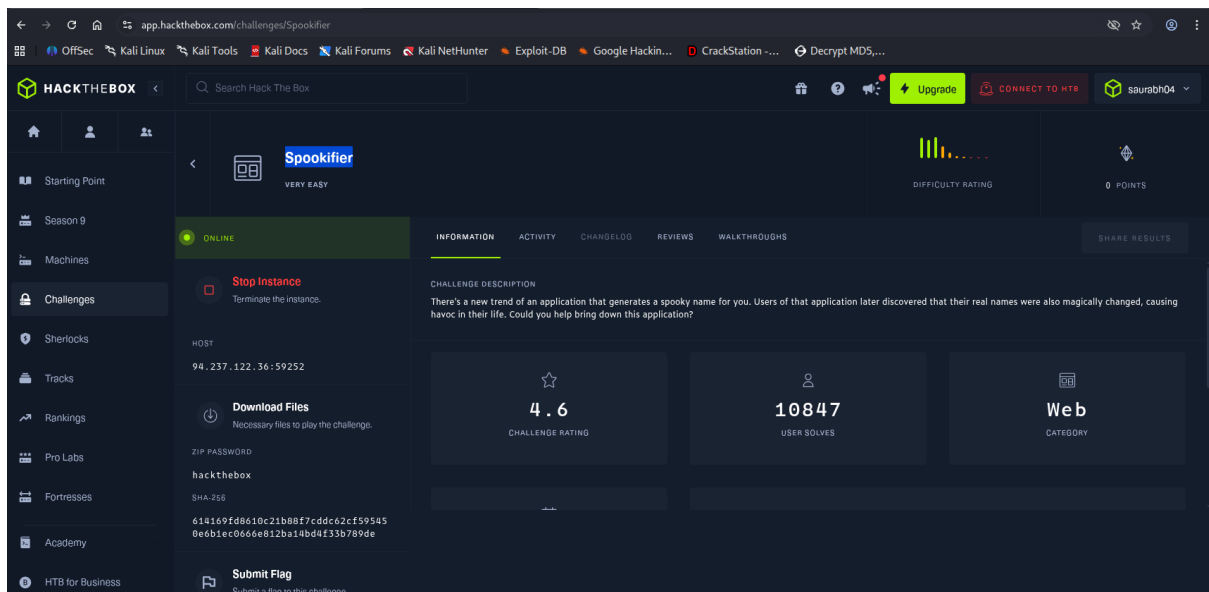


Spookifier

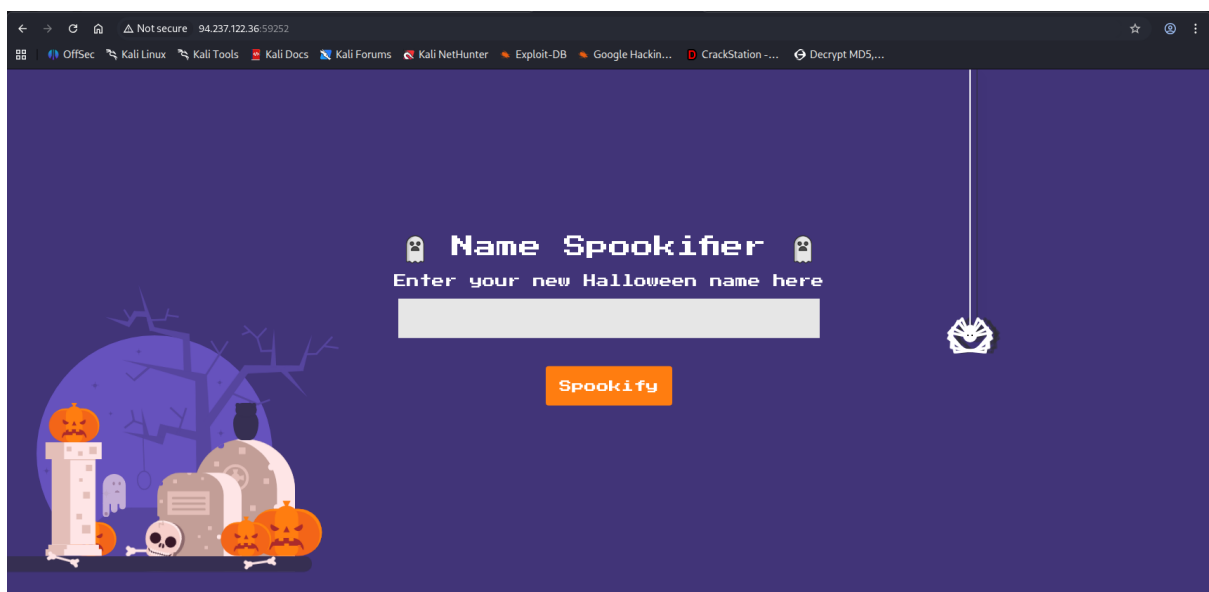
Let's go and solve our first challenge from HTB web challenge category

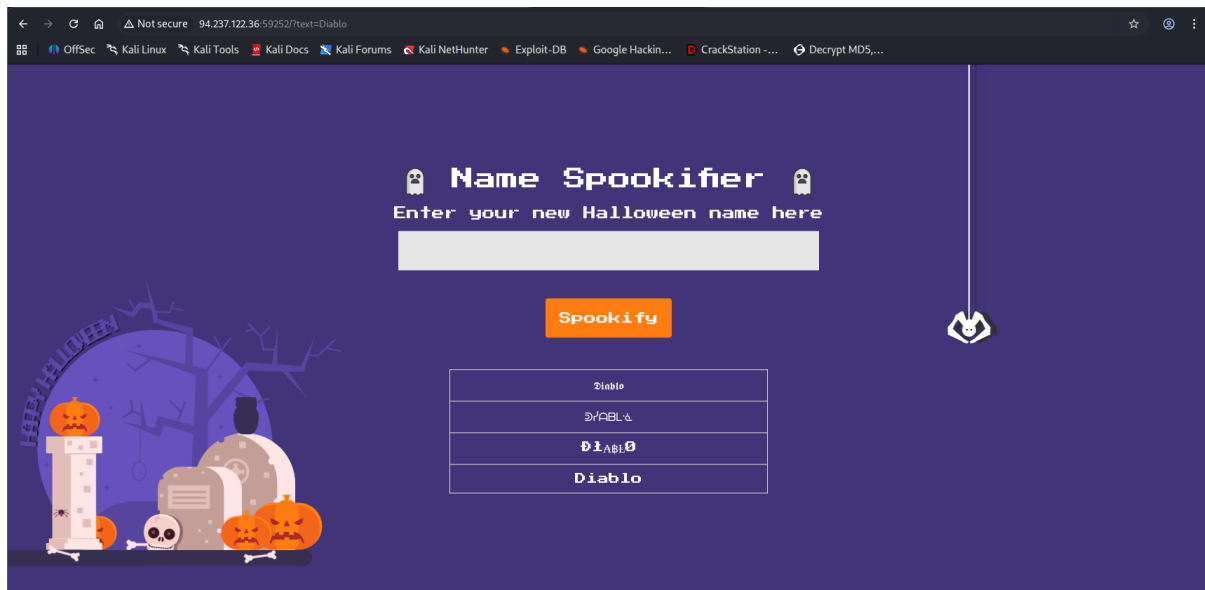
Name: Spookifier

Difficulty: very easy



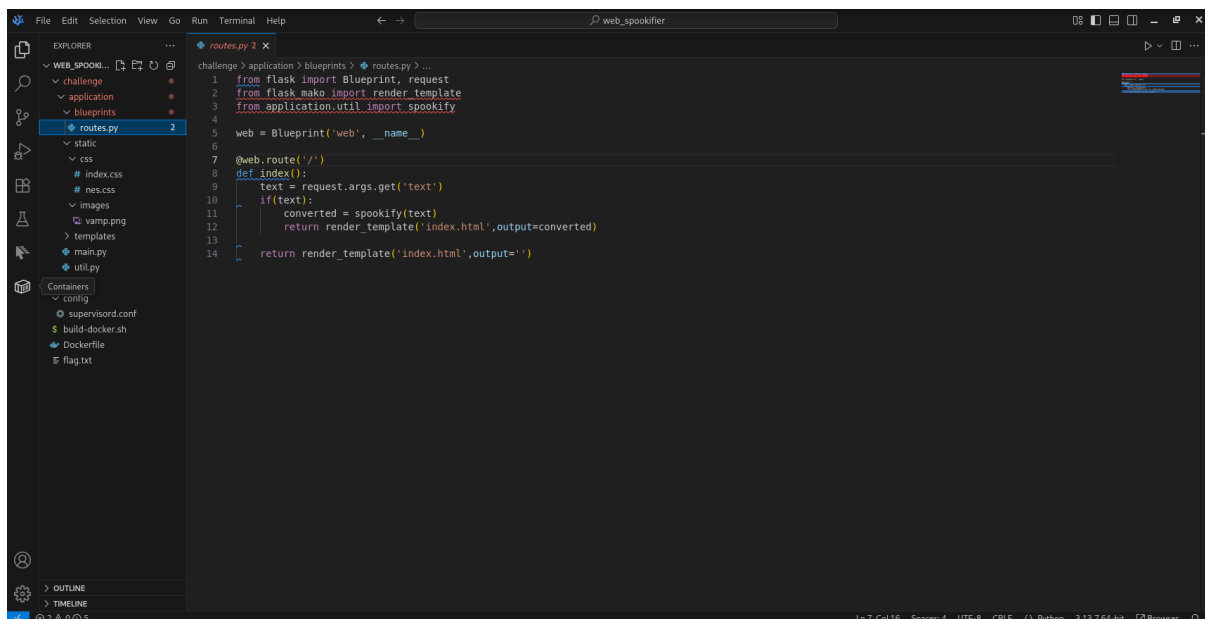
Now Let's go ahead and start the challenge and access the website





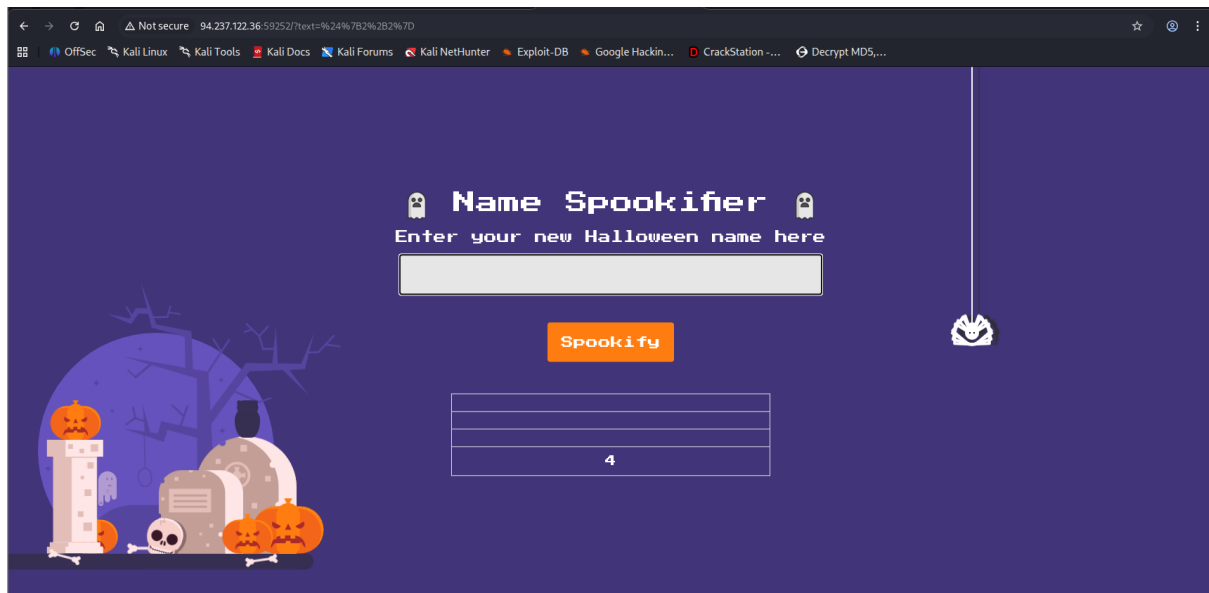
So basically, what this website does is take our name and convert it into a spooky Halloween name.

Now, let's analyze the source code (I've uploaded it to my GitHub repository).



Interesting! It uses **Spookify** (a Python template) to convert our name into a spooky Halloween-themed name.

Since it was using a Python template, I decided to test for **Server-Side Template Injection (SSTI)** vulnerabilities.



I used a basic SSTI payload, `${2+2}`, and it worked.

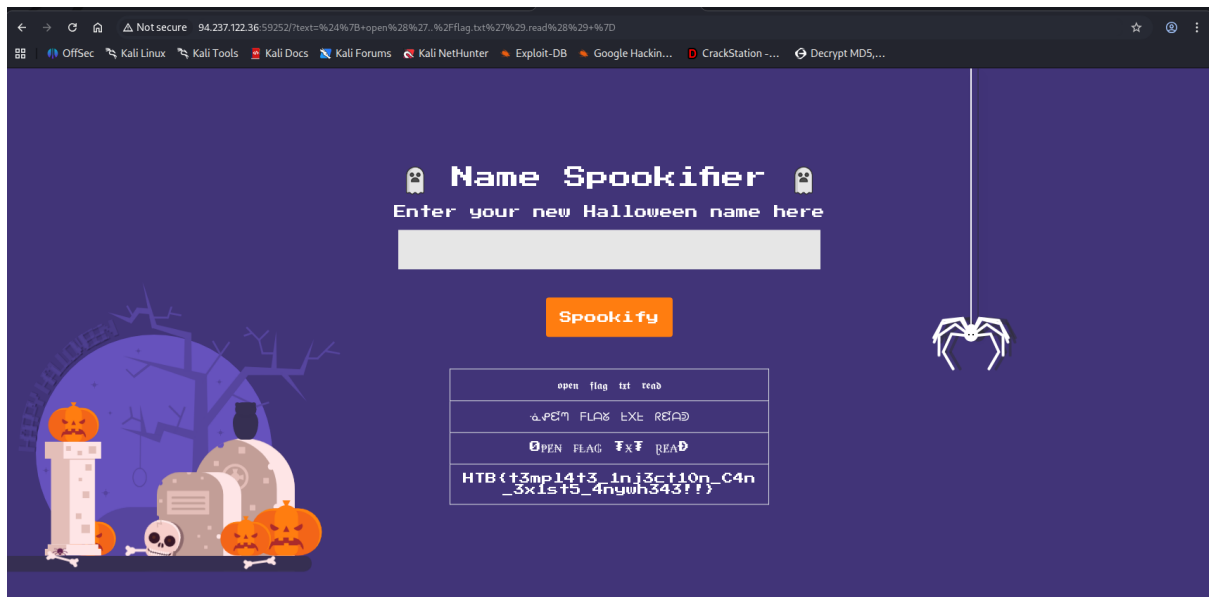
Now all that's left is to find a way to read the flag from flag.txt.

```

1 FROM python:3.8-alpine
2 RUN apk add --no-cache --update supervisor gcc
3 # Upgrade pip
4 RUN python -m pip install --upgrade pip
5 # Install dependencies
6 RUN pip install Flask==2.0.0 mako flask_mako Werkzeug==2.0.0
7 # Copy flag
8 COPY flag.txt /flag.txt
9 # Setup app
10 RUN mkdir -p /app
11 # Switch working environment
12 WORKDIR /app
13 # Add application
14 COPY challenge .
15 # Setup supervisor
16 COPY config/supervisord.conf /etc/supervisord.conf
17 # Expose port the server is reachable on
18 EXPOSE 1337
19 # Disable pycache
20 ENV PYTHONDONTWRITEBYTECODE=1
21 # start supervisord
22 ENTRYPOINT ["/usr/bin/supervisord", "-c", "/etc/supervisord.conf"]

```

From the Dockerfile, I now know the location of flag.txt, so add this payload on that line: `${ open(' ../flag.txt').read() }`.



Boom — we got the flag!

After confirming SSTI with a quick `${2+2}` test, I inspected the app and the Dockerfile to find the flag's location. I injected `${open('../flag.txt').read() }` into the template and the server evaluated the expression, returning the flag.

This challenge was straightforward but instructive: never trust user-controllable template rendering. Always check server-side templates, container configs, and file paths when hunting for vulnerabilities.