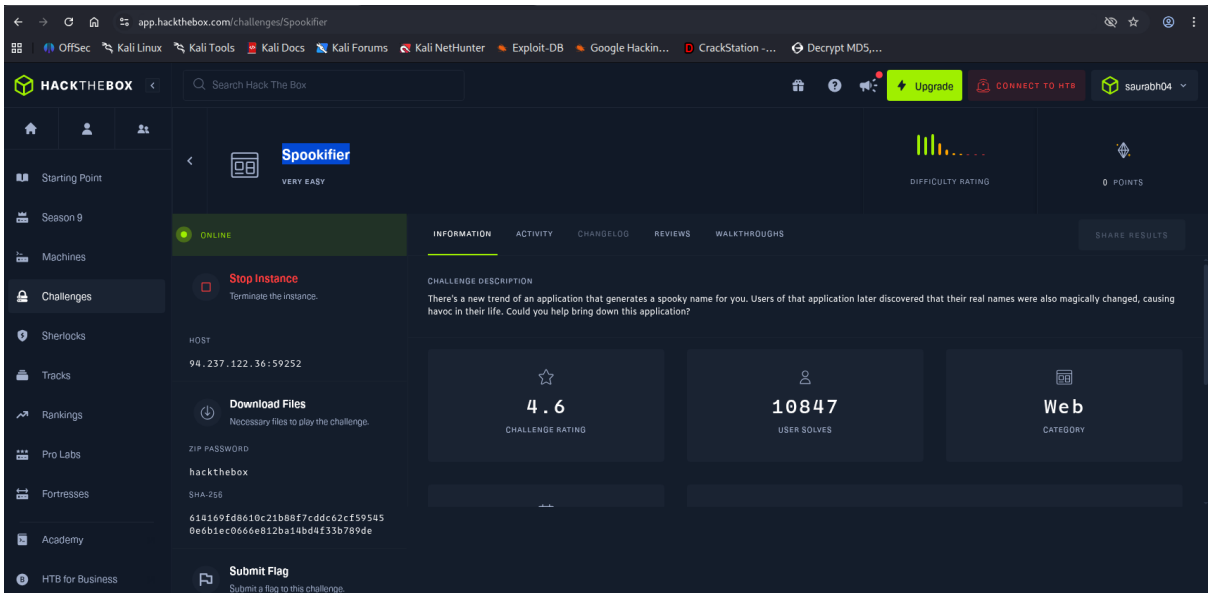
Spookifier

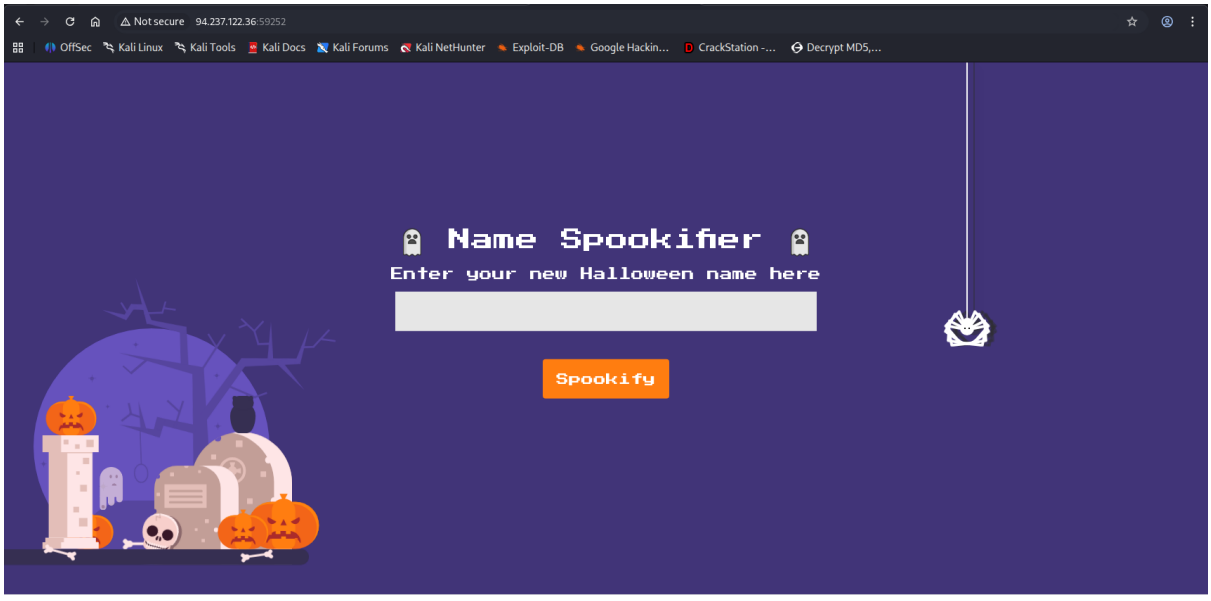
Let’s go and solve our first challenge from HTB web challenge category

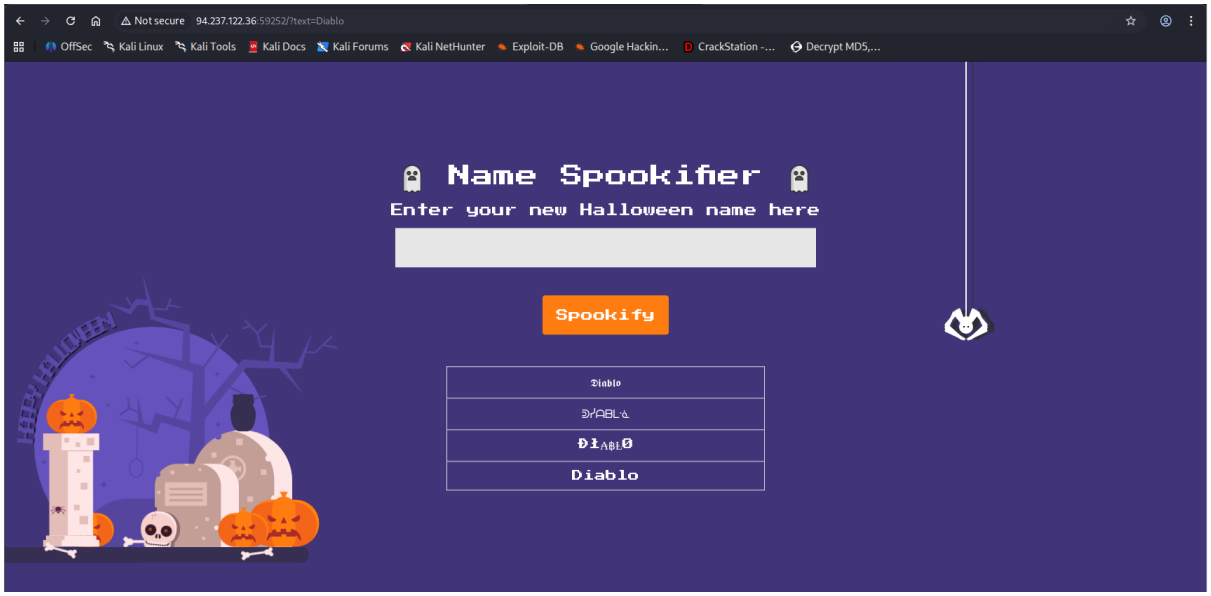
Name: Spookifier

Difficultly: very easy



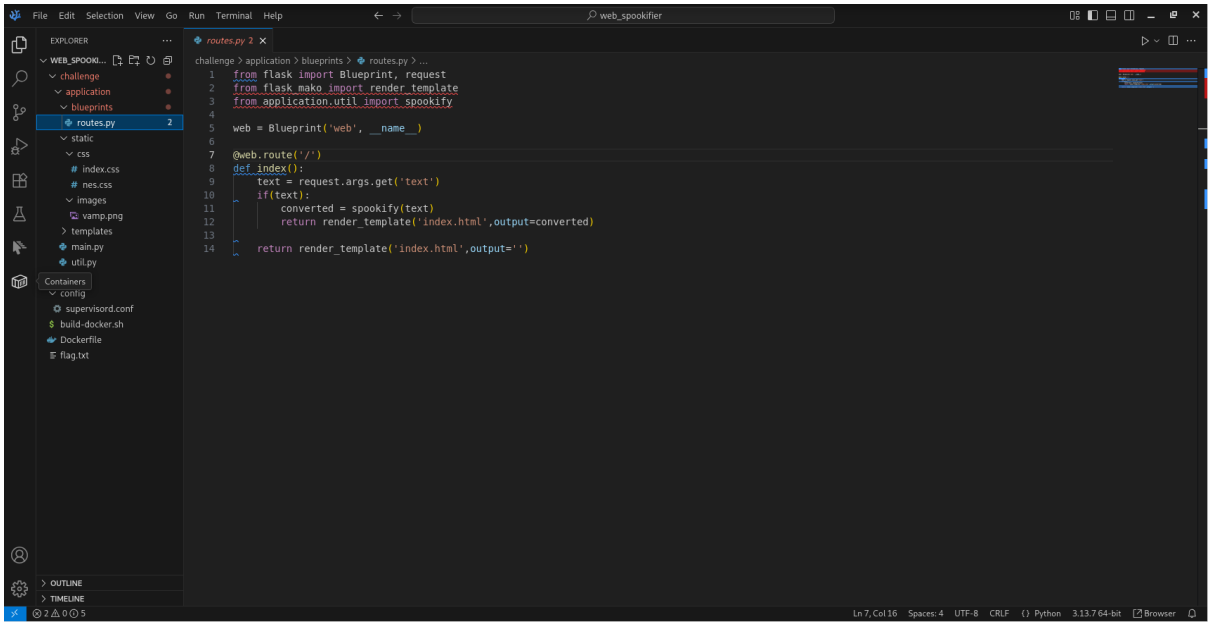
Now Let’s go ahead and start the challenge and access the website





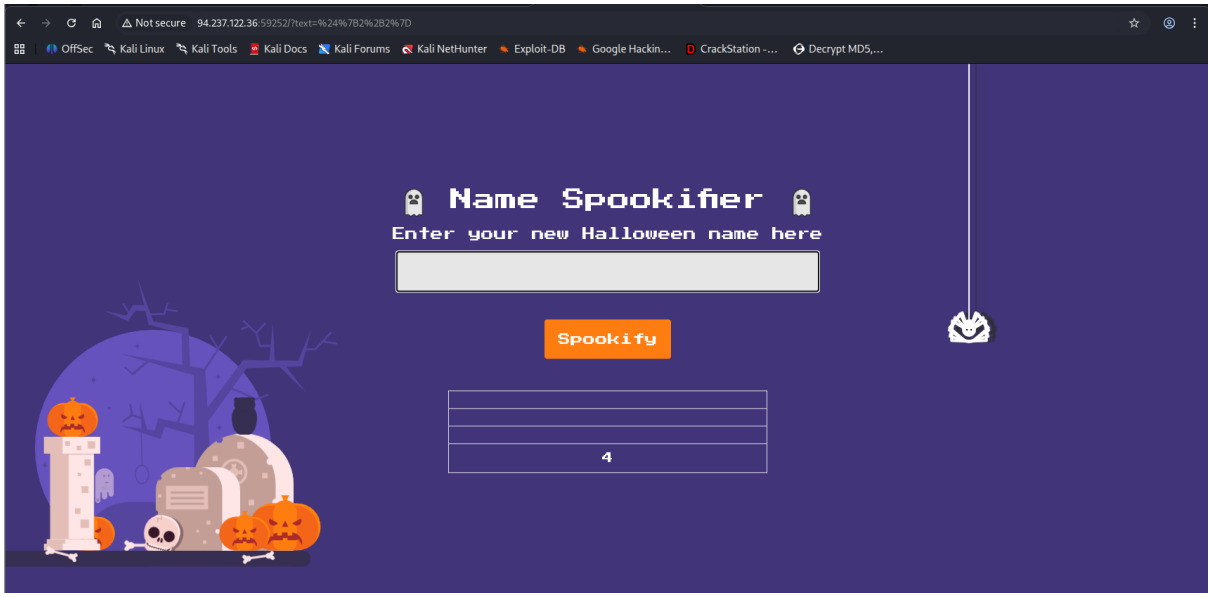
So basically, what this website does is take our name and convert it into a spooky Halloween name.

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



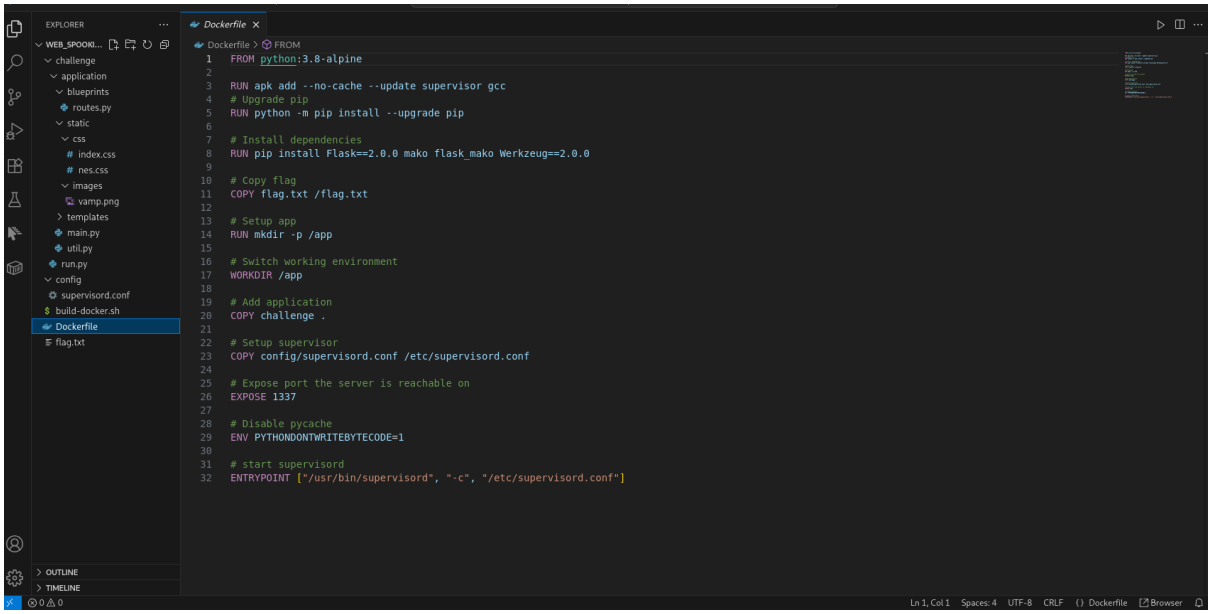
Interesting! It uses **Spookify** (a Python template) to convert our name into a spooky Halloween-themed name.

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

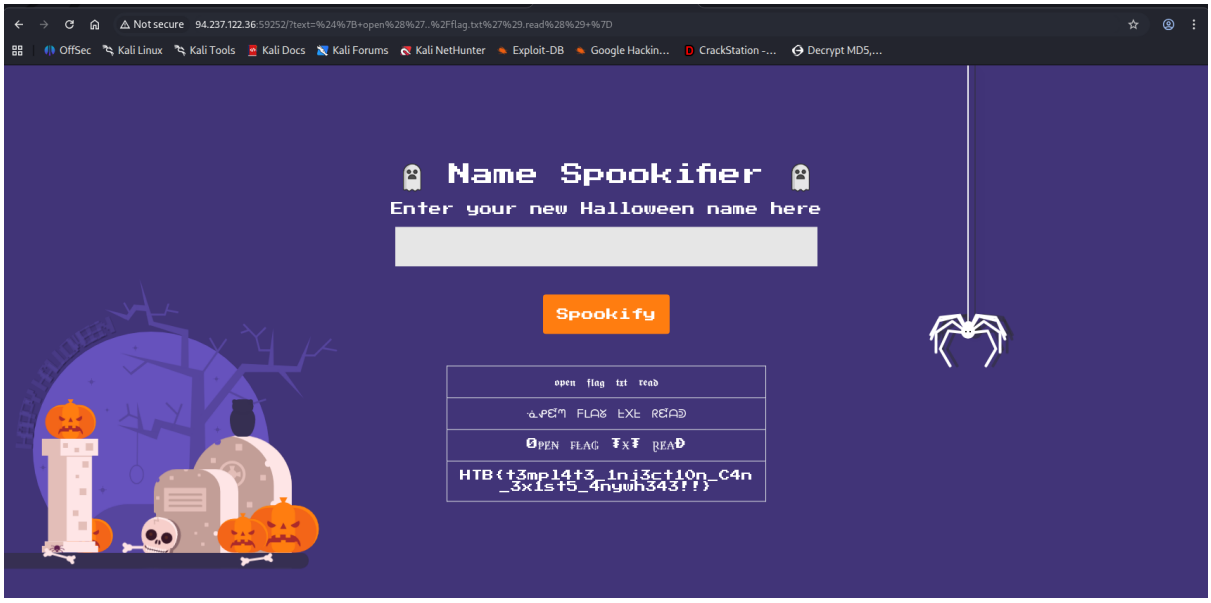


I used a basic SSTI payload, ${2+2} , and it worked.

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



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.