Baby Auth

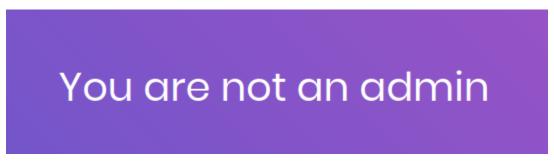
Analysis

We are first greeted by a login page. Let's, once again, try admin with password admin: Looks like we'll have to create an account - let's try those credentials.

This is great, because now we know we need a user called admin. Let's create another user - I'll use username and password yes, because I doubt that'll be used.



We're redirected to the login, which makes it seem like it worked. Let's log in with the credentials we just created:



we're not an admin!

When it comes to accounts, one very common thing to check is **cookies**. Cookies allow, among other things, for users to <u>authenticate without logging in every time</u>. To check cookies, we can right-click and hit **Inspect Element** and then move to the **Console** tab and type document.cookie.



Well, we have a cookie called PHPSESSID and the value eyJ1c2VybmFtZSI6In11cyJ9. Cookies are often base64 encoded, so we'll use a tool called CyberChef to decode it. Once we decode the base64, we see that the contents are simply { "username": "yes" }.



Exploitation

So, the website knows our identity due to our cookie - but what's to stop us from forging a cookie? Since we control the cookies we send, we can just edit them. Let's create a fake cookie!



Note that we're URL encoding it as it ends in the special character =, which usually has to be URL encoded in cookies. Let's change our cookie to eyJ1c2VybmFtZSI6ImFkbWluIn0%3D!

Ignore the warning, but we've now set document.cookie. Refresh the page to let it send the cookies again.

And there you go - we successfully authenticated as an admin! HTB{s3ss10n_1nt3grity_1s_0v3r4tt3d_4nyw4ys}