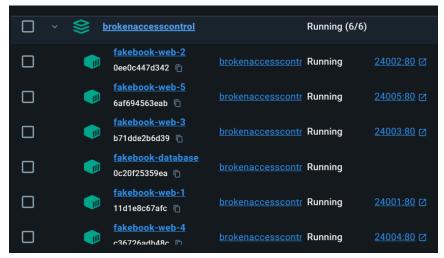
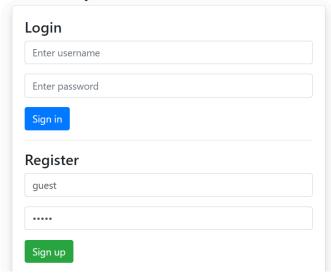
Hello my name is Andrew, today let's do some broken access control vulnerability labs. This is level 1 of the lab, I will run docker for all the labs first!



With level 1, I will try to use the app as a regular user starting with a new account guest:guest and then sign in into the app.

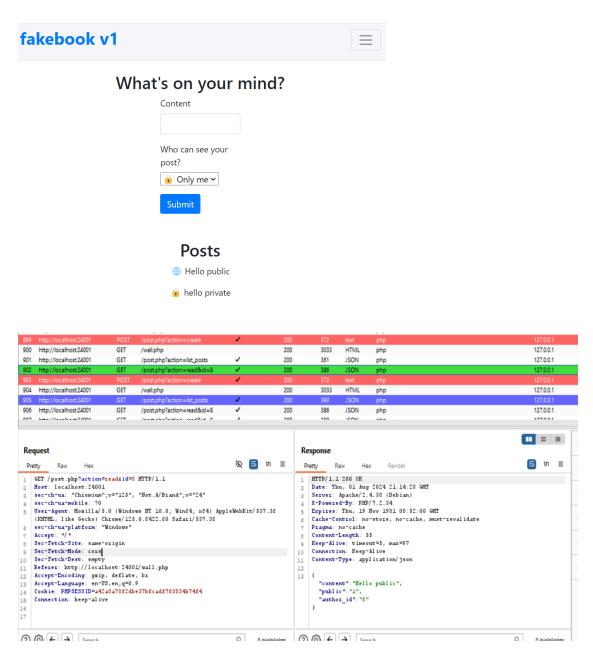
fakebook v1

Fakebook helps you connect and stalk your crush.



After sign-in, I see the option that allow users to post their content online (private and public content that everyone can see). I tried to created two posts both private and public and capture the requests through Burp Suite and notice that there are two endpoints updated each time we creat a post and the web will redirect me to the home page after a few seconds

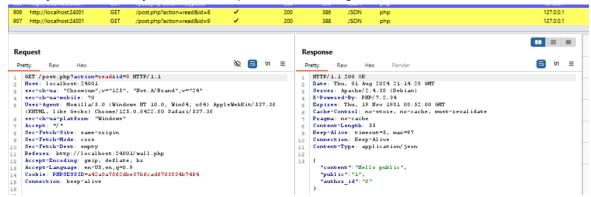
/post.php?action=create
/post.php?action=list posts



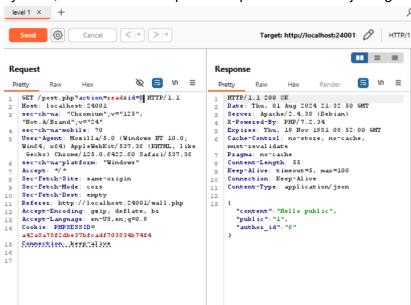
I highlighted those requests and take a look at the GET list_posts requests. It seems like it just list all the posts on my current account that I created and there is no problem with this!

However, for displaying the posts on the app for us to read there's are two GET /post.php?action=read&id={number}

//I guess the id number will be the total number of the post the system having at the moment which just increase by 1 when user posted something

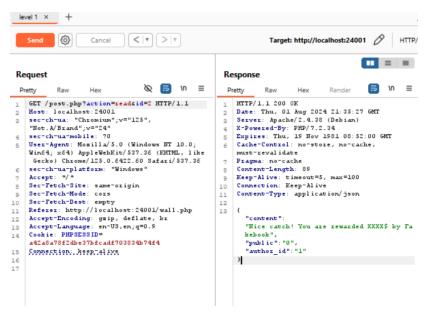


Assumption: Can we change the id={other_number} so we can read other users' posts? Let's try. First, I will send this request to repeater to start adjusting

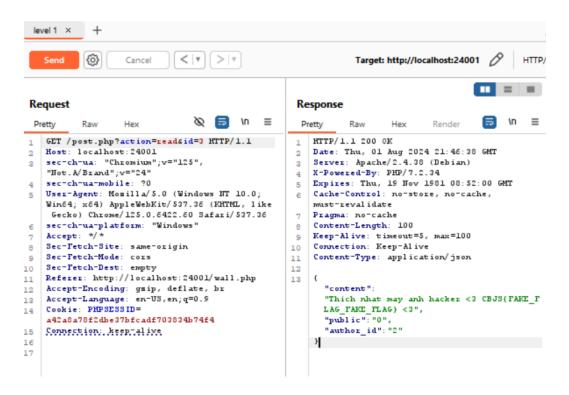


Notice that the response from my post will include the mode of the post (if the post is public - it shows 1 and vice versa 0 for private post).

Therefore, I changed the id into 2 to see if there is posts that I can't see in my account and abracada it works and I can read a private post from other people.



Okay, let's change the id repeatedly to find a flag



Let's take a look at the code to see where is the problem, we found a bug at the endpoint ?read=read

The 'read' option is received a variable "id" without any validation from /GET request stored at 'post.php?action=read&id={number} endpoint so we can read any posts from other users. How to fix this bug, let's move to the next level to see what the developer is going to do.