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CS 357, Prof. Goldberg

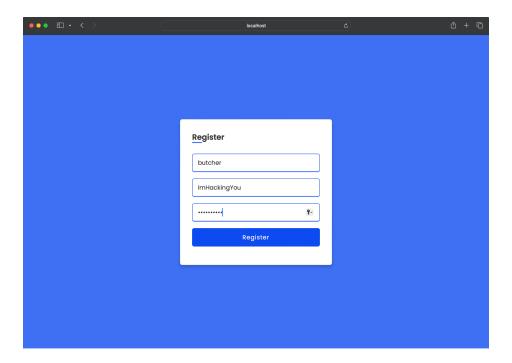
Login Authentifications Challenges: Challenge 6

Nov 3, 2023

Login Authentication Challenges Report: Challenge #6

Step #1:

In this challenge, we mostly see that it is similar to the previous challenge, Challenge 5. In this challenge we first begin the attack by making an account (1).



Name: butcher

Username: ImHackingYou

Password: hacking101

Step #2:

Next we begin by encoding the password to a SHA256 encryption. Utilizing an SHA256 encryption generator, we are able to generate an SHA256 code (2).

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2. Generating SHA256 Generator

SHA256 Code: a28e11932990cf64ed370ac0ec9ccdddd51eabca40b444fd4de2e85ce5ba4b6f

(Sources: https://tools.keycdn.com/sha256-online-generator)

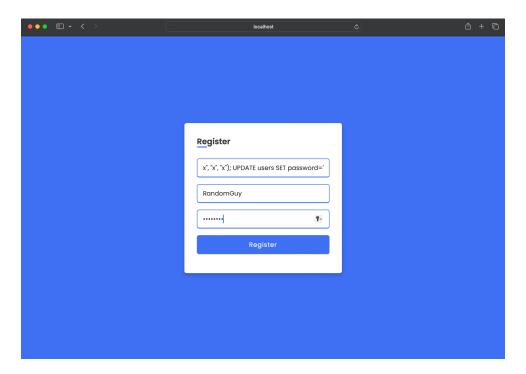
Step #3:

We return back to the registration page (localhost:8080/register) and enter in the new information. For the username, this would be the insertion of SQL code:

password='a28e11932990cf64ed370ac0ec9ccdddd51eabca40b444fd4de2e85ce5ba4b6f' WHERE

username='admin'; --

As for the password, we can randomly insert anything as this information is not needed in accessing the admin's credentials (3).



3. Registering the Account with the New Credentials.

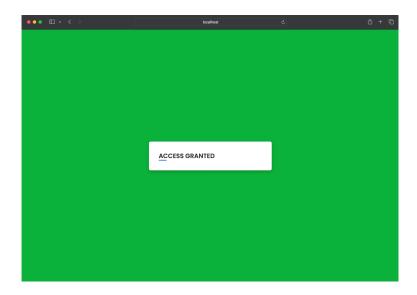
Username: [insertion of SQL code]

Name: RandomGuy

Password: hacker

Step #4:

Lastly, we can now insert these credentials into the login page (localhost:8080). By inserting the <u>username</u>: *admin*, and the <u>password</u>: *hacking101*, we are able to gain the entire full access into the admin's account (4).



4. Full Access into the Admin's Account!