Bug Type: User Account hacking

Vulnerable URL: https://admin.firefly.pk/login

I found that I can take over any user account by two things on your website.

There are two reasons by which I am able to hack user account

- There is No Lockout Mechanism (Rate Limit).
- Weak Password Policy.

Description:

There is no mitigation, defenses in anyway or a lockout mechanism in the login page. A malicious minded user can continually try to brute force an account password. I have tried to input more than 50 incorrect passwords and I have not been lockout, tried the correct password in the 91st time and it login successfully.

As I observe on other websites they have a lock out mechanism if a user tried to input 20 incorrect passwords. So you should also have a lock out mechanism for user accounts security.

My other point is you also have a weak password policy and I am able to take any password like this "12345678" which is a very weak password and can easily be guessed by an attacker.

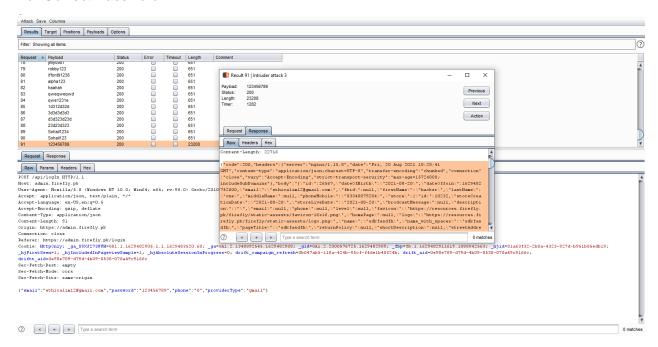
Steps to reproduce:

- Go to sign in form.
- Enter any registered email with the wrong password.
- Capture the request & Send the request to Intruder and add a Payload Marker on the password value.
- Add the payload for the password field having a list of more than 100 or as you like passwords or more for test and start attack.
- BOOM!

Impact:

- 1. There is no lockout mechanism, attacker can do a lot of tries and attacker can Brute Force the victim login details as I shown in the screen shots and get full access. And the right password status and length is changed than other passwords so attacker can identify the right password easily.
- Weak password can be set like any weak numbers like "12345678" as password which is not the good password policy. So due to both vulnerability attacker can Brute Force the login details and plus point is Weak Password Policy attacker can hack any account easily due to both vulnerabilities.

For Correct Password:



For Wrong Password:

