Group no: 14

## **Vulnerability Type:**

Security

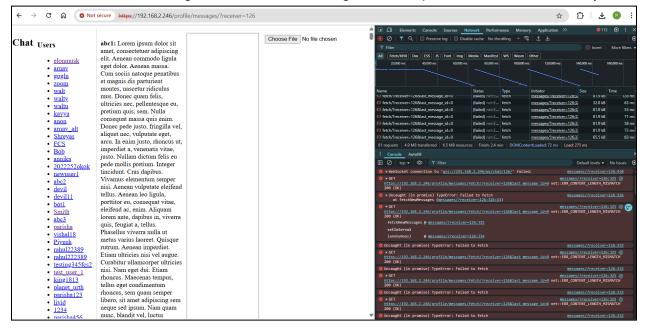
**Brief Discription:** There no limit on length check in messages. So i can send vey large message (>10000 words) so that as system attempts to process and render the data it uses significant resources and I can also thus fill the server database as well with large msgs to cause DOS attack vulnerablility.

## **Steps to Reproduce:**

- 1) Go to https://192.168.2.246/profile/messages/
- 2) Select any user to chat with and sens a very large msg (like 10000 words)
- Then in the inspect tab (ctrl+sft+i) we can see the failed WebSocket communication and repeated fetch calls to profile/messages/fetch/?receiver=126.

## **Proof of Concept:**

I have send multiple large messages of approx 10000 words each. As there is no limit on msg length, i can see that the web socket is failing anf the site is becoming slow with periodic fetch failures every few seconds.



## Impact:

I can repeatedly send large messages and can crash or hang the server/client by filling up the database and thus disrupting service for others thus causing a Denial of Service (DoS) attack. As there is no input sanitization or message size limit the site is vulnerable to abuse and performance degradation.