Group no: 14

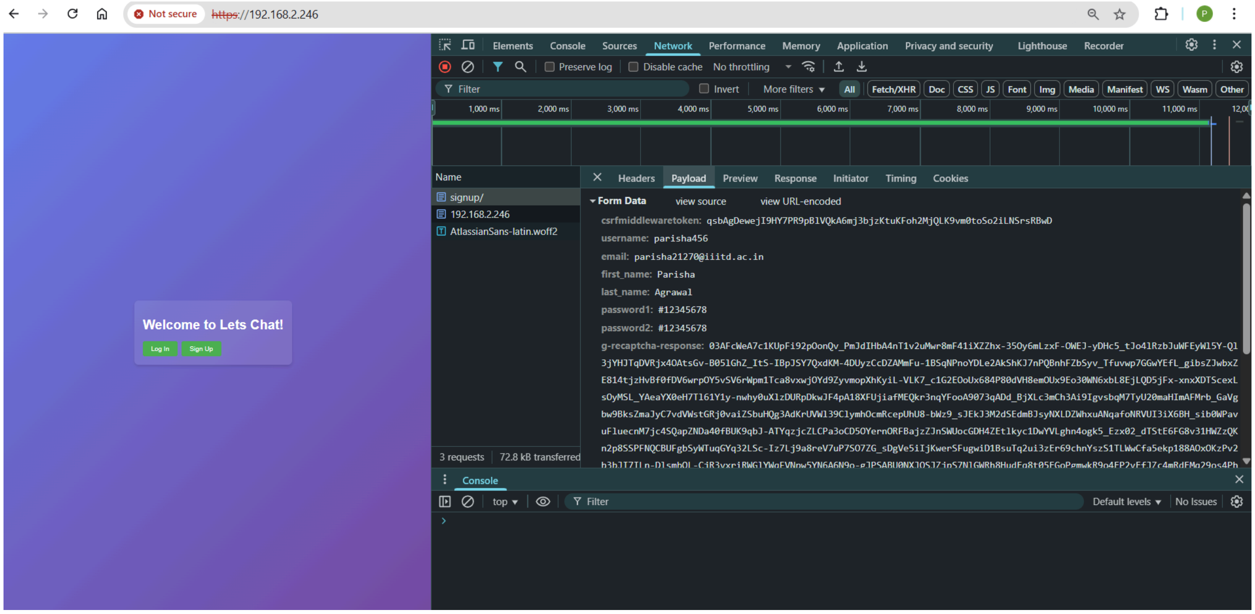
Vulnerability Type:
Functional (with security concern as well)

Description: The site transmits sensitive user data like passwords and email addresses as raw data without securing.

Steps to Reproduce:

1) Go to https://192.168.2.246.
2) Signup for new account or login to a existing one.
3) After signup or login, see the payload in the api, it has the raw password stored in it without encryption.

Proof of Concept:
Here we can see the raw password as well which violated requirement of secure data.



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csrfmiddlewaretoken: qsbAgDewejI9HY7PR9pBlVQkA6mj3bjzKtuKFoh2MjQLK9vm0toSo2iLNSrsRBwD
username: parisha456
email: parisha21270@iiitd.ac.in
first_name: Parisha
last_name: Agrawal
password1: #12345678
password2: #12345678
g-recaptcha-response: 03AFcWeA7c1KUpFi92pOonQv_PmJdIHbA4nT1v2uMwr8mF41iXZZhx-35Oy6mLzxF-OWEJ-yDHc5_tJo41RzbJuWFEyWl5Y-Ql
3jYHJTqDVRjx4OAtsGv-B05lGhZ_ItS-IBpJSY7QxdKM-4DUyzCcDZAMmFu-1BSqNPnoYDLe2AkShKJ7nPQBnhFZbSyv_Tfuvwp7GGwYEfL_gibsZJwbxZ
E814tjzHvBf0fDV6wrpOY5vSV6rWpm1Tca8vxwjOYd9ZyvmopXhKyiL-VLK7_c1G2EOoUx684P80dVH8emOUx9Eo30WN6xbL8EjLQD5jFx-xnxXDTScexL
sOyMSL_YAeaYX0eH7Tl61Y1y-nwhy0uXlzDURpDkwJF4pA18XFUjiafMEQkr3nqYFooA9073qADd_BjXLc3mCh3Ai9IgvsbqM7TyU20maHImAFMrb_GaVg
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Impact:
This violates the requirement in the course project requirement document that personal user data must be protected and using HTTPS(TLS/SSL) to secure data in transit. It can aslo couse credential theft through MITM attacks on open or local networks.