Task 9

The Vuln Bank web app is a test project made to learn about website security problems. After running the app, I checked different parts like login, account pages, and admin panel to find security issues.

Observations

While testing, I found that the app does not handle user inputs properly and allows unsafe actions. These mistakes can let attackers take control or change account data.

Main Vulnerabilities Found

1. **Login Bypass (SQL Injection)**

   o Problem: The login box accepts special characters like ' OR 1=1 -- which lets anyone log in without a real password.

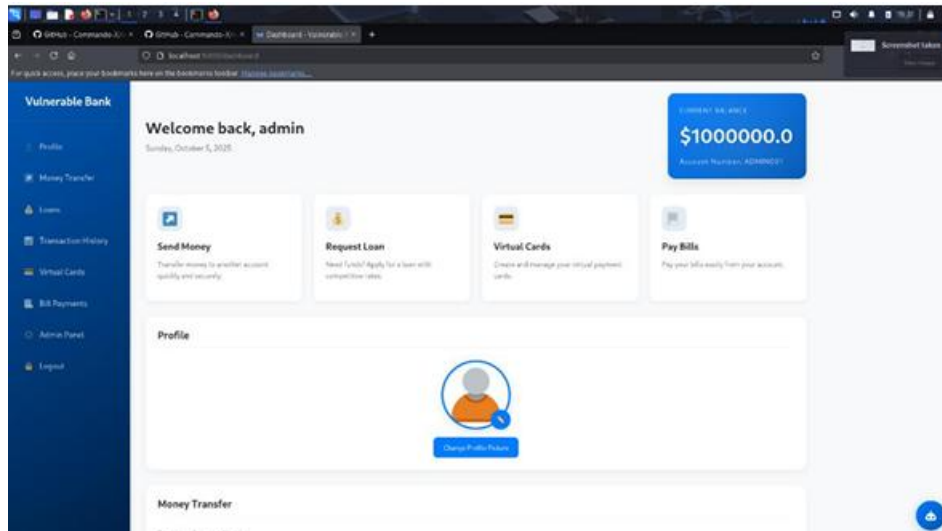   o Effect: Attackers can log in as admin without knowing the password.
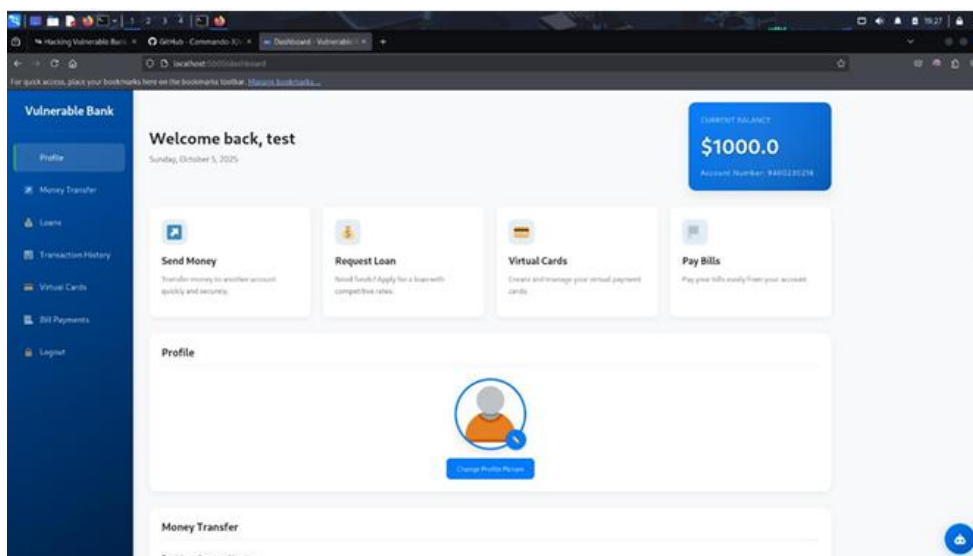
2. **Account Editing from Browser**

   o Problem: When sending data to the server, users can change things like "is_admin" or "balance" using browser tools.

   o Effect: Attackers can make themselves admin or increase their account balance.

3. **Admin Panel Not Protected Well**

   o Problem: Once inside the app, admin pages can be opened without strong security checks.

   o Effect: Unauthorized users can see and change private data.

Impact

If this were a real bank, attackers could:

- Log in as admin without permission

- Change their money balance

- Approve or delete accounts

- View other users' information

Conclusion

The Vuln Bank app has several major security problems. It should never be used in real life without fixing them. This project helped me understand how insecure coding can make a web app vulnerable and how hackers can take advantage of it.