



**SECURE
CODE
WARRIOR**

®

DISABLED SECURITY FEATURES

**WHAT DO WE MEAN BY
DISABLED SECURITY FEATURES?**


Disabled Security Features is a vulnerability where features that can help protect against hackers have been deactivated.

Development settings


Security Flags

☒ Enabled

Session Timer

3 Minutes 

Event logs

3 Failed Login attempts 

Save Settings

Cancel

Set as Default

Security features may have been disabled for operational reasons or they may be simply disabled by default.

Development settings

Security Flags

☐ Disabled

Session Timer

3 Minutes

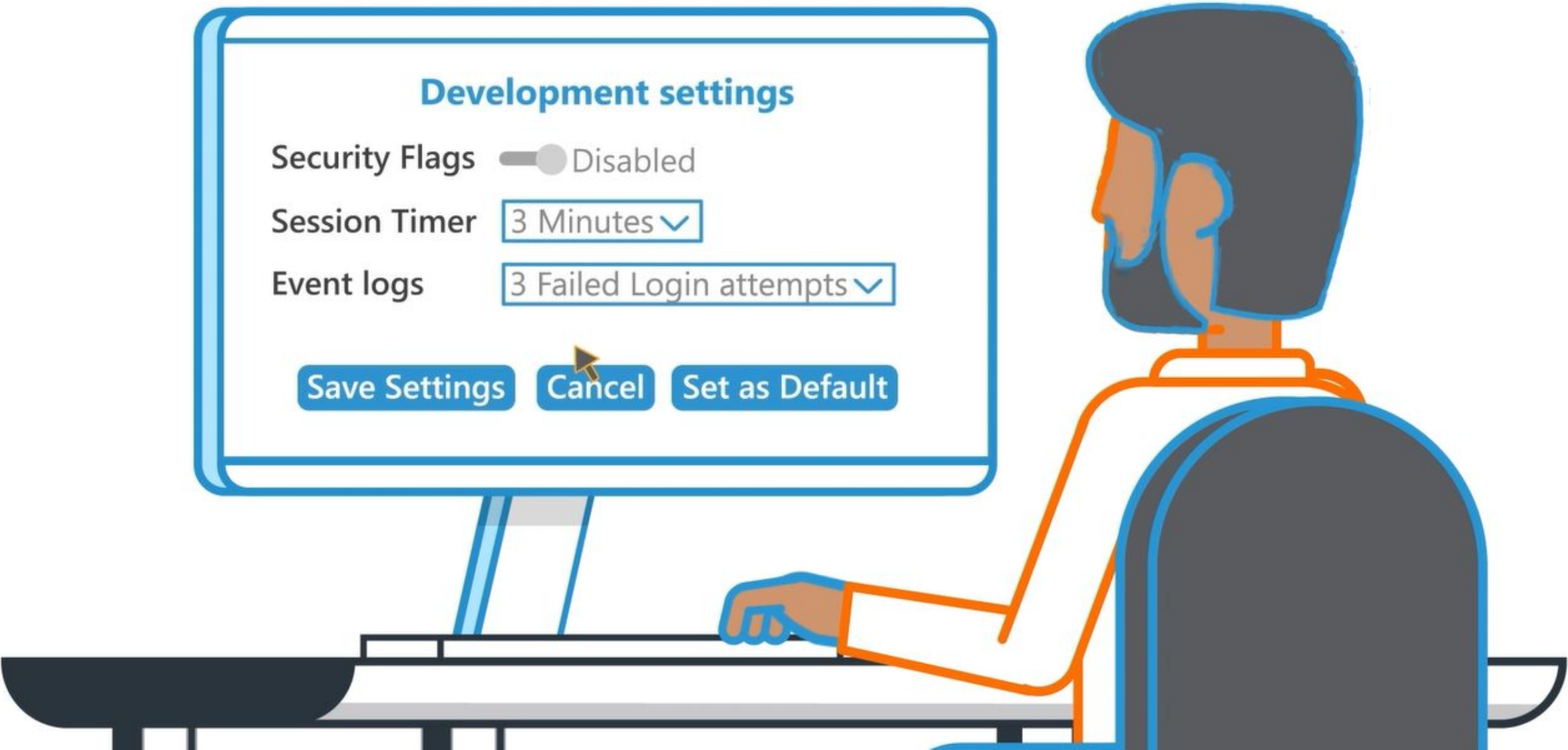
Event logs

3 Failed Login attempts

Save Settings

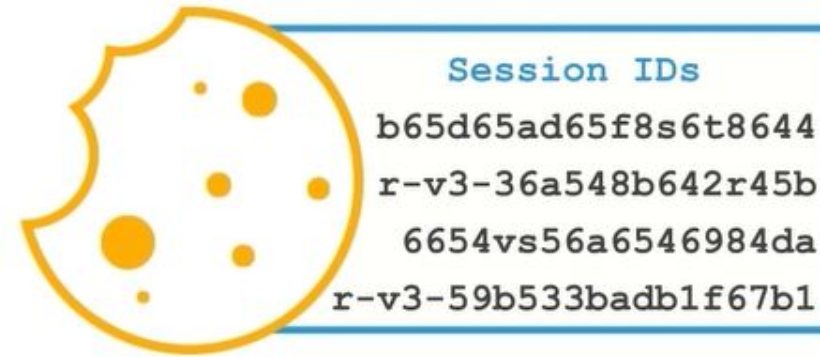
Cancel

Set as Default



LET'S LOOK AT AN EXAMPLE

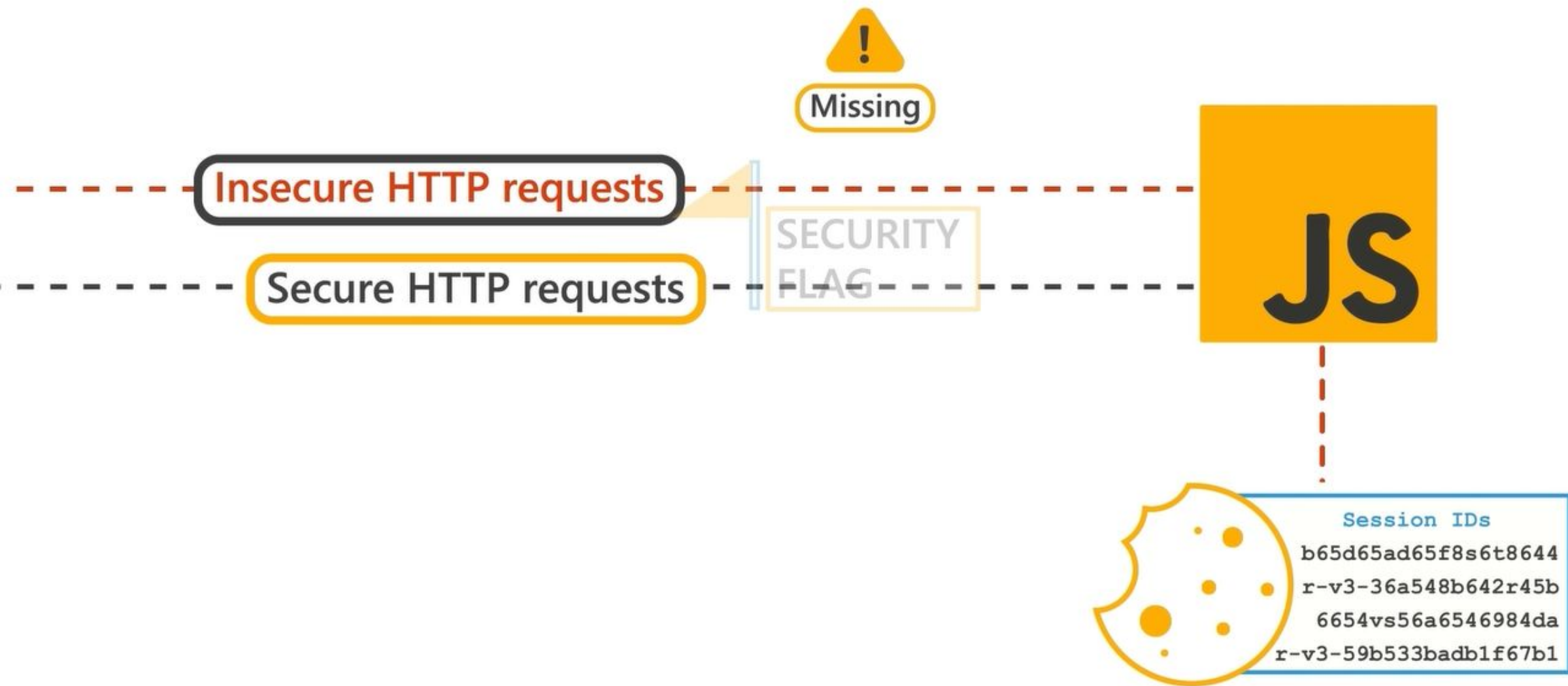
A popular web application is storing the session ID in a cookie.



Despite being securely generated,



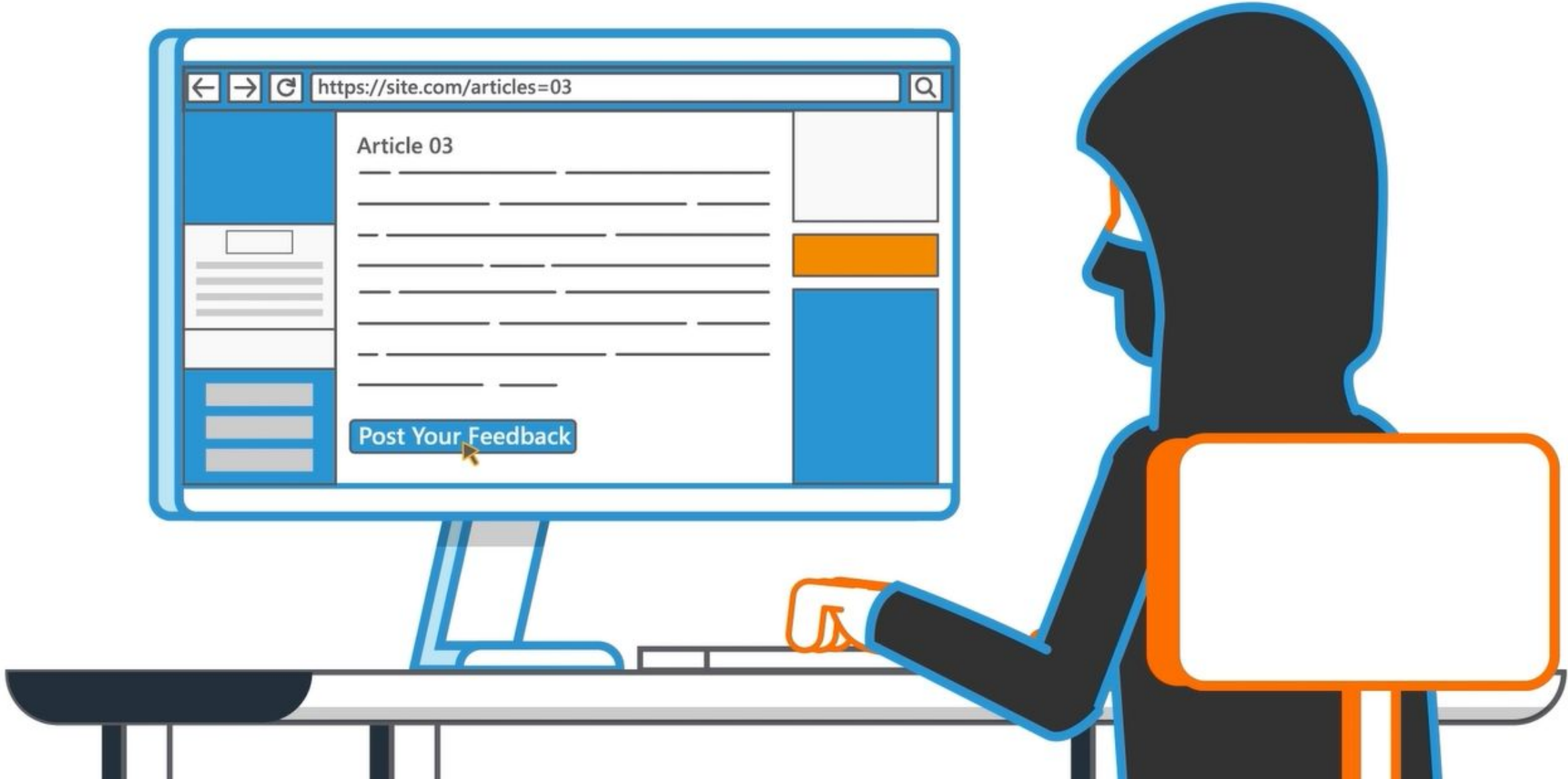
the cookie is missing the flags that restrict it to secure HTTP requests



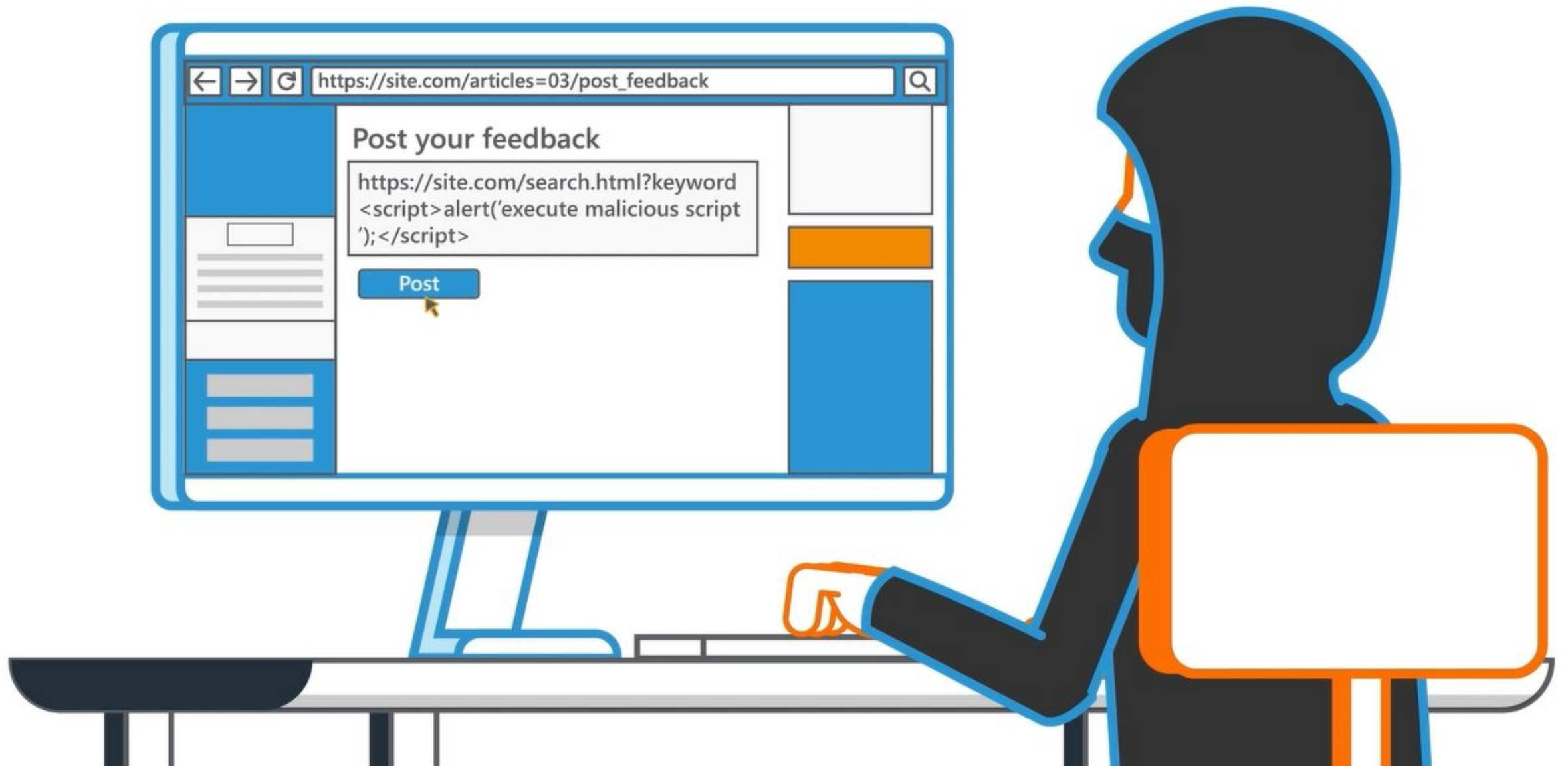
and prevent it from being accessed by browser scripts.



A hacker manages to find a vulnerable field in the site's feedback form



and injects some malicious scripts to run in the browser. This compromise is already bad.



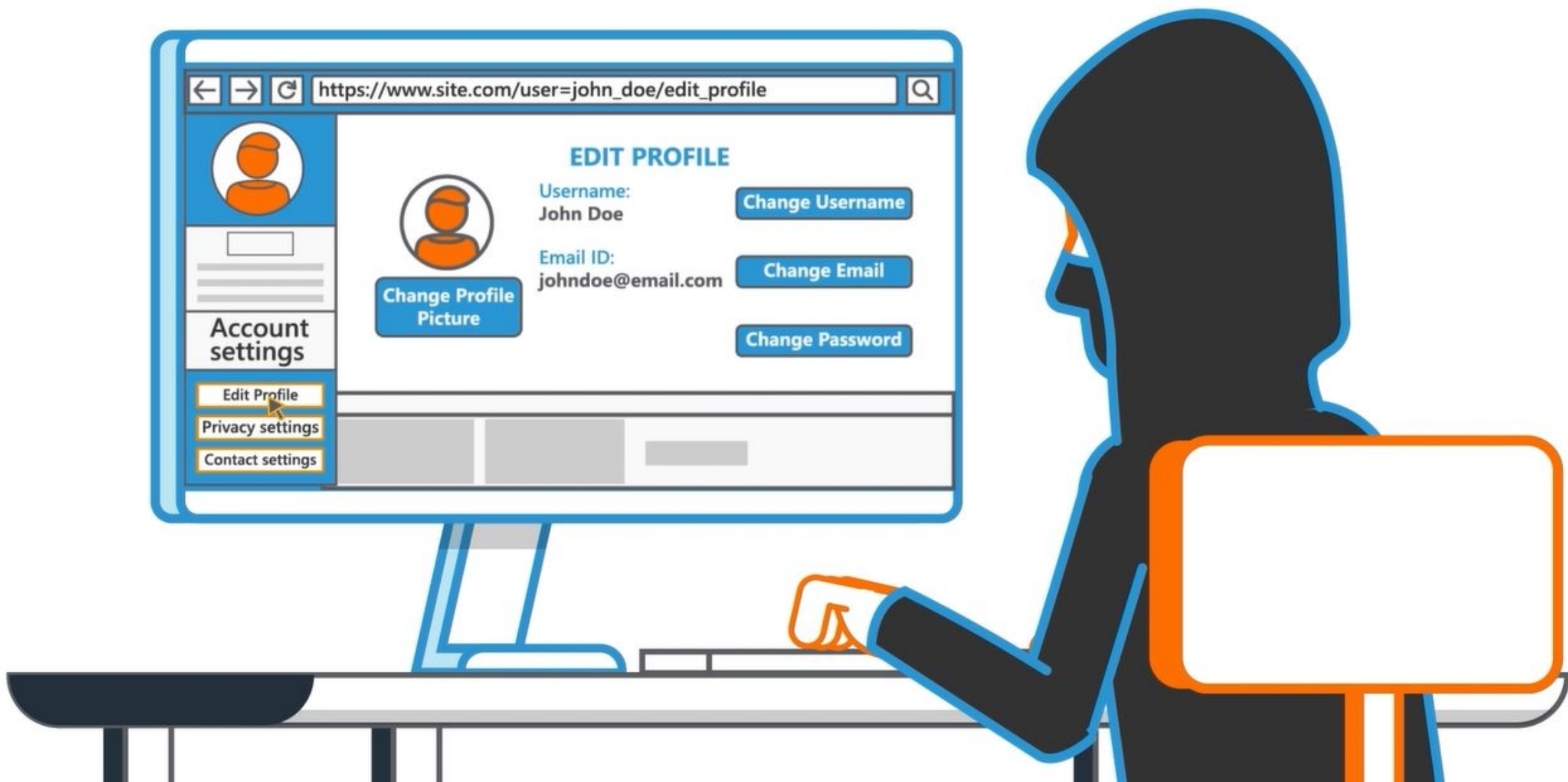
But to make matters worse, the scripts are also made to read the session cookie,



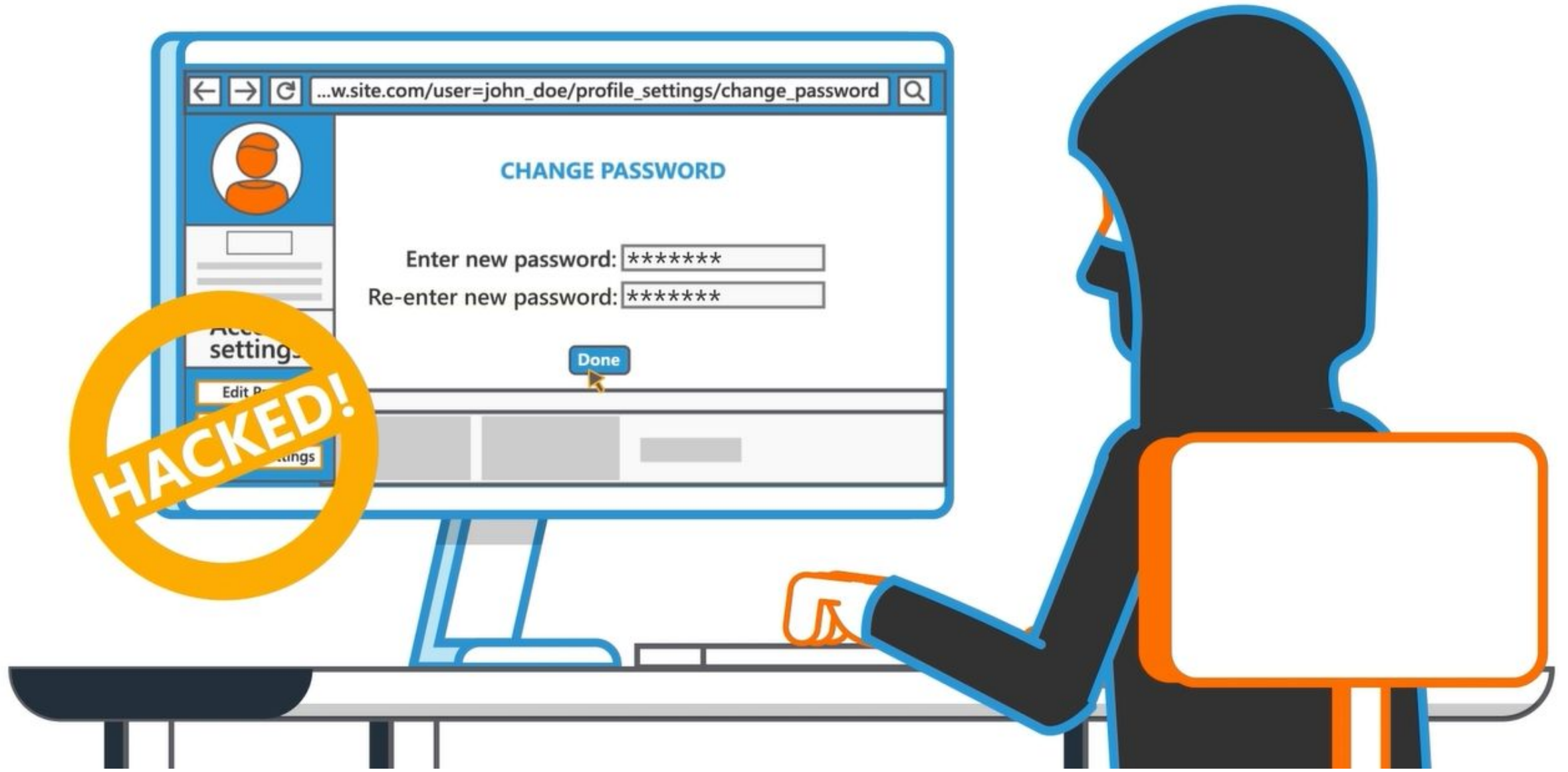
transmitting its data to the hacker.



The hacker can now use the captured cookie data to pretend to be any of the users from the site,



stealing account details and performing actions as those users.



To avoid attacks relating to Disabled Security Features

- ⑤ It's recommended to verify that all relevant restrictions are enabled.
- ⑤ Additionally, developers should ensure that, where features need to be disabled, the data is coupled with extra checks to help prevent manipulation by hackers.

Congratulations, you have now completed this module!



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