

Cyber Security and Digital
Forensics Internship

ASSIGNMENT 7
BROKEN ACCESS
CONTROL

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Drive Link -

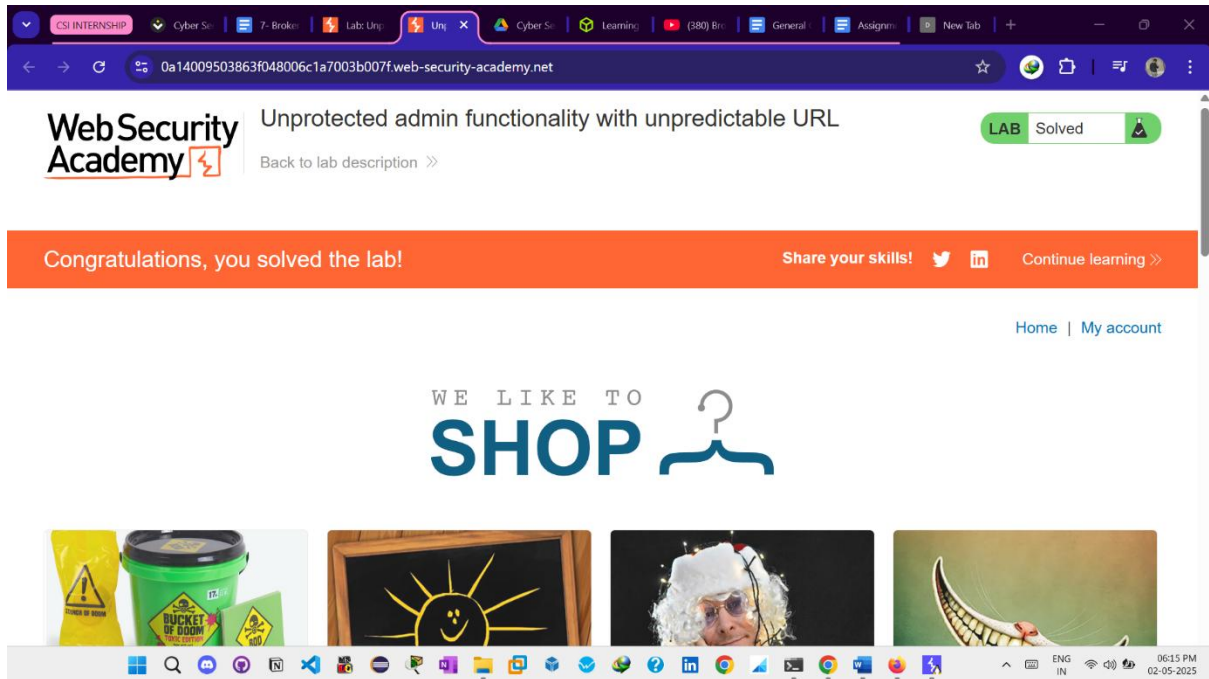
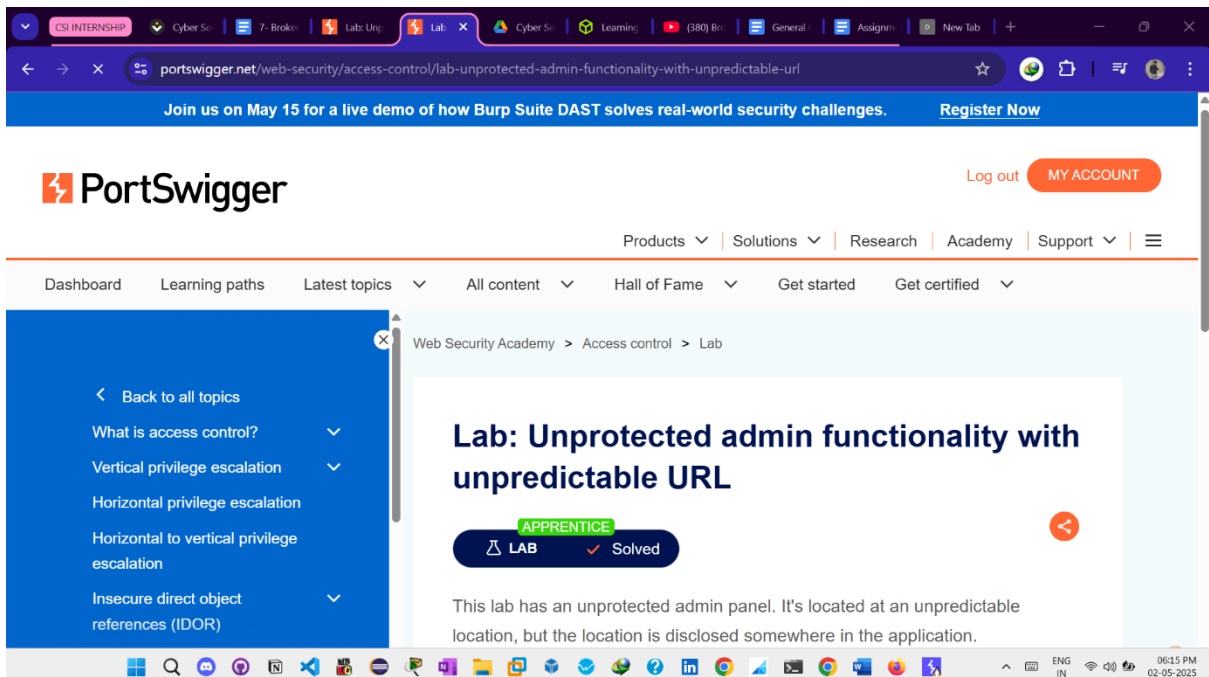
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PORTSWIGGER LAB 1 – Unprotected admin functionality

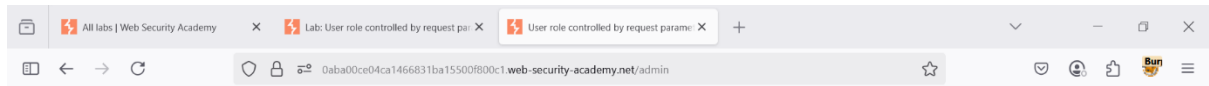
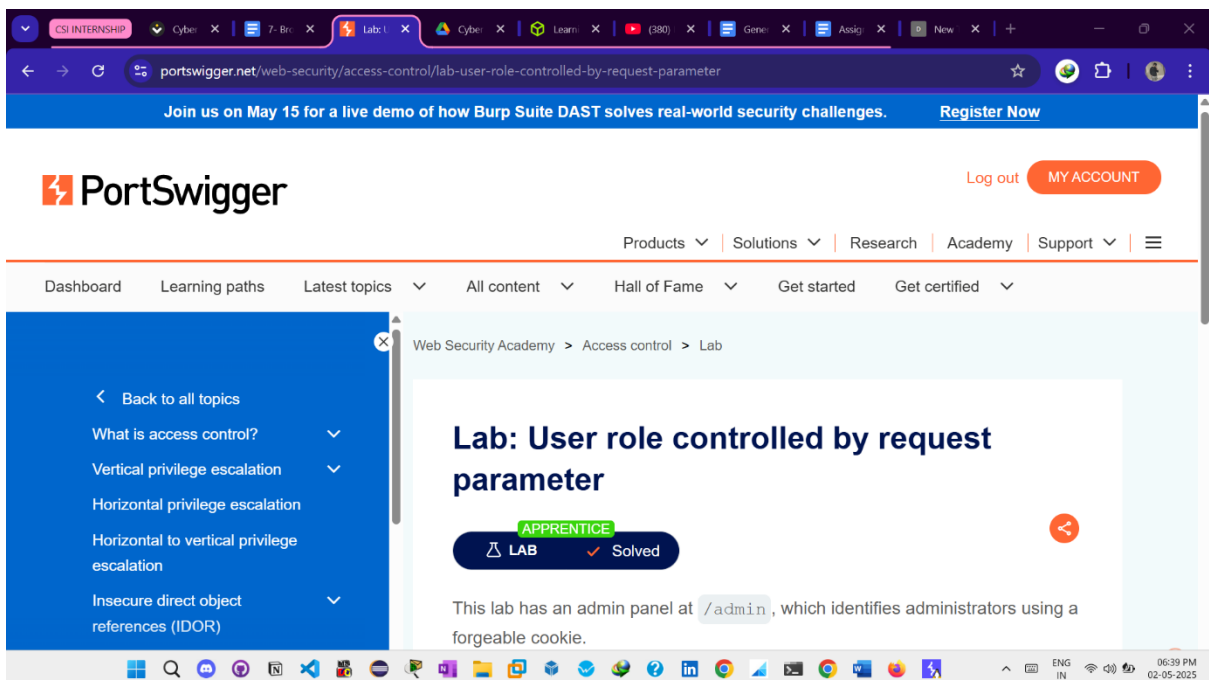
The screenshot shows a web browser window with the URL `0a61002603df43e1802d307500450094.web-security-academy.net`. The page header includes the Web Security Academy logo and the lab title "Unprotected admin functionality". A green badge indicates the lab is "Solved". Below the header, an orange banner reads "Congratulations, you solved the lab!" with links to "Share your skills!" and "Continue learning >>". The main content area features a large heading "WE LIKE TO SHOP" with a shopping cart icon. Below this, there are four small images: a person's head in a box, a grill with food, a cartoon of two people shaking hands, and a paper airplane. The browser's taskbar at the bottom shows various application icons and the system clock.

The screenshot shows the PortSwigger website. The top navigation bar includes links for "Products", "Solutions", "Research", "Academy", and "Support". Below this, a secondary navigation bar lists "Dashboard", "Learning paths", "Latest topics", "All content", "Hall of Fame", "Get started", and "Get certified". The main content area is titled "Lab: Unprotected admin functionality" and includes a green badge indicating the lab is "Solved". The lab description states: "This lab has an unprotected admin panel. Solve the lab by deleting the user `carlos`." The left sidebar contains a list of topics under "Web Security Academy > Access control > Lab", including "What is access control?", "Vertical privilege escalation", "Horizontal privilege escalation", "Horizontal to vertical privilege escalation", and "Insecure direct object references (IDOR)". The browser's taskbar at the bottom shows various application icons and the system clock.

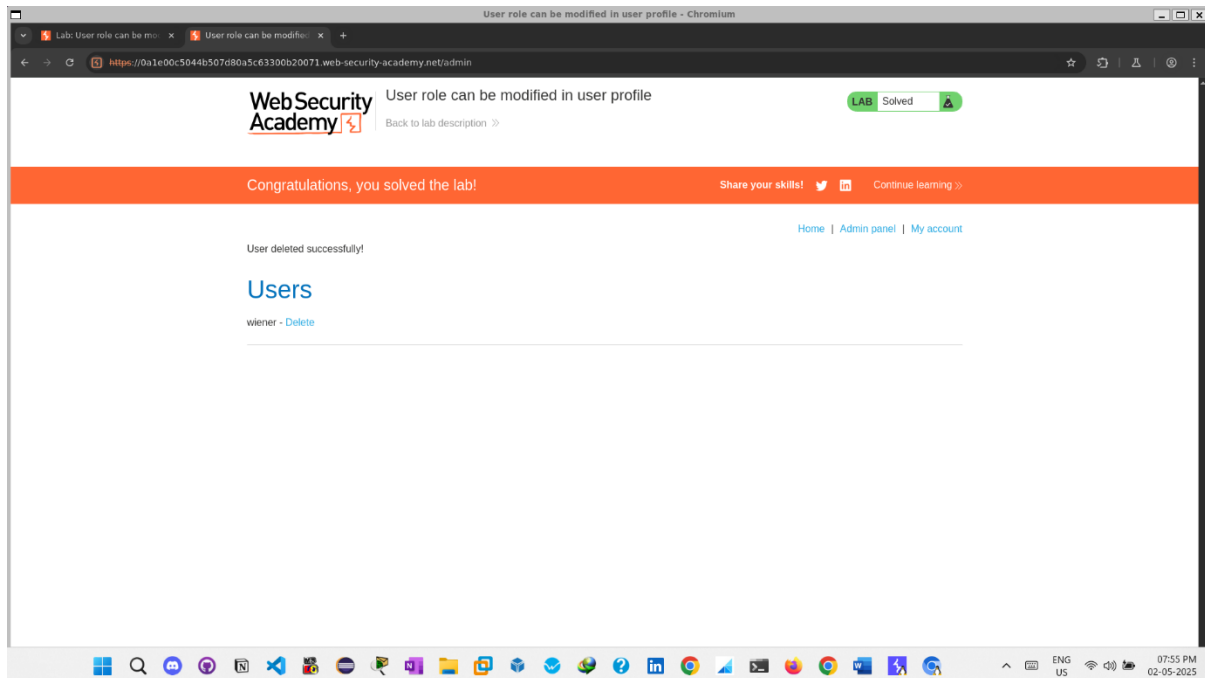
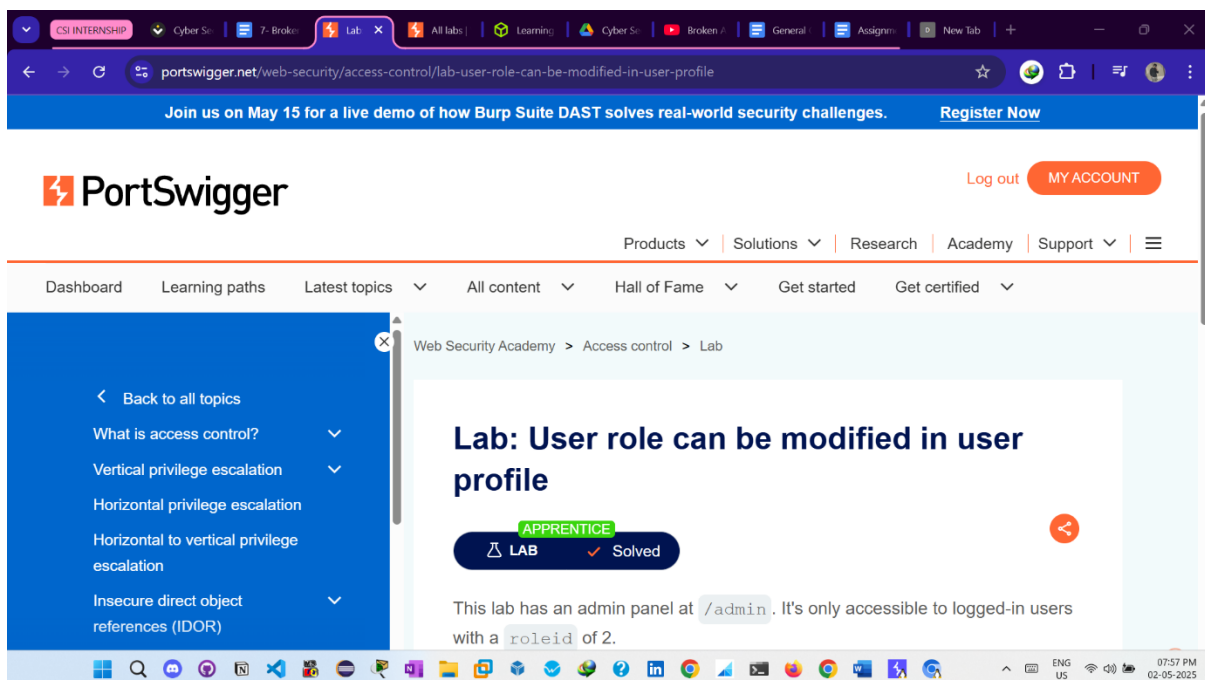
PORTSWIGGER LAB 2 – Unprotected admin functionality with unpredictable URL



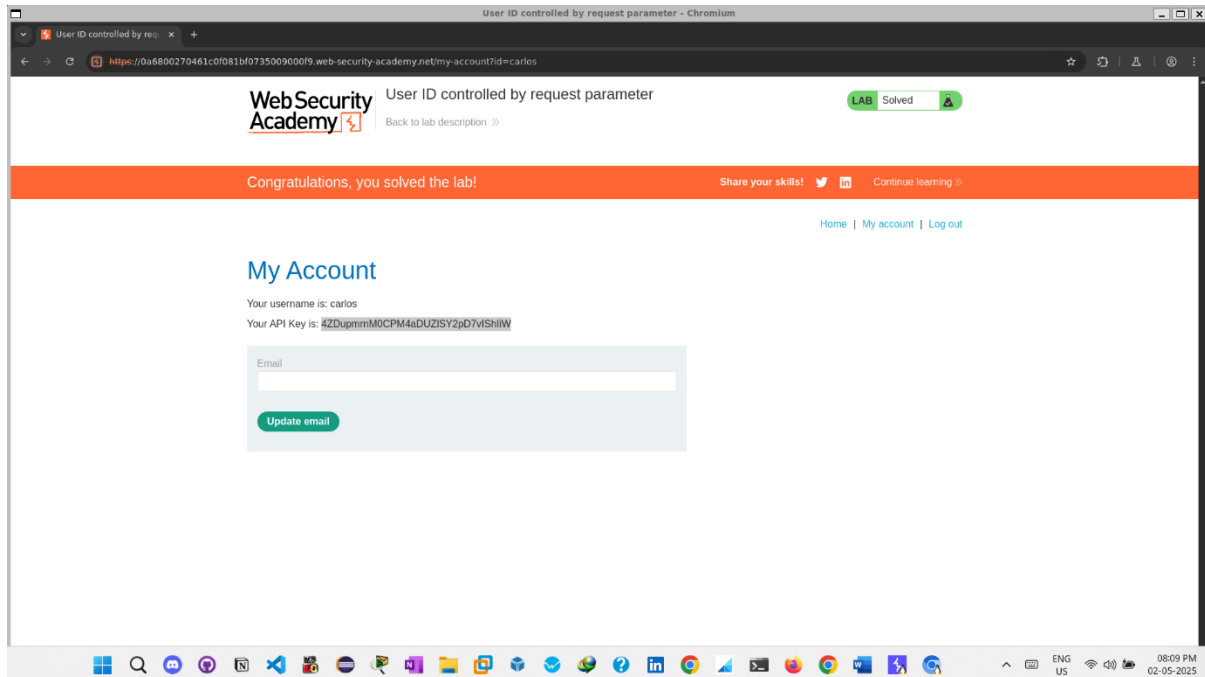
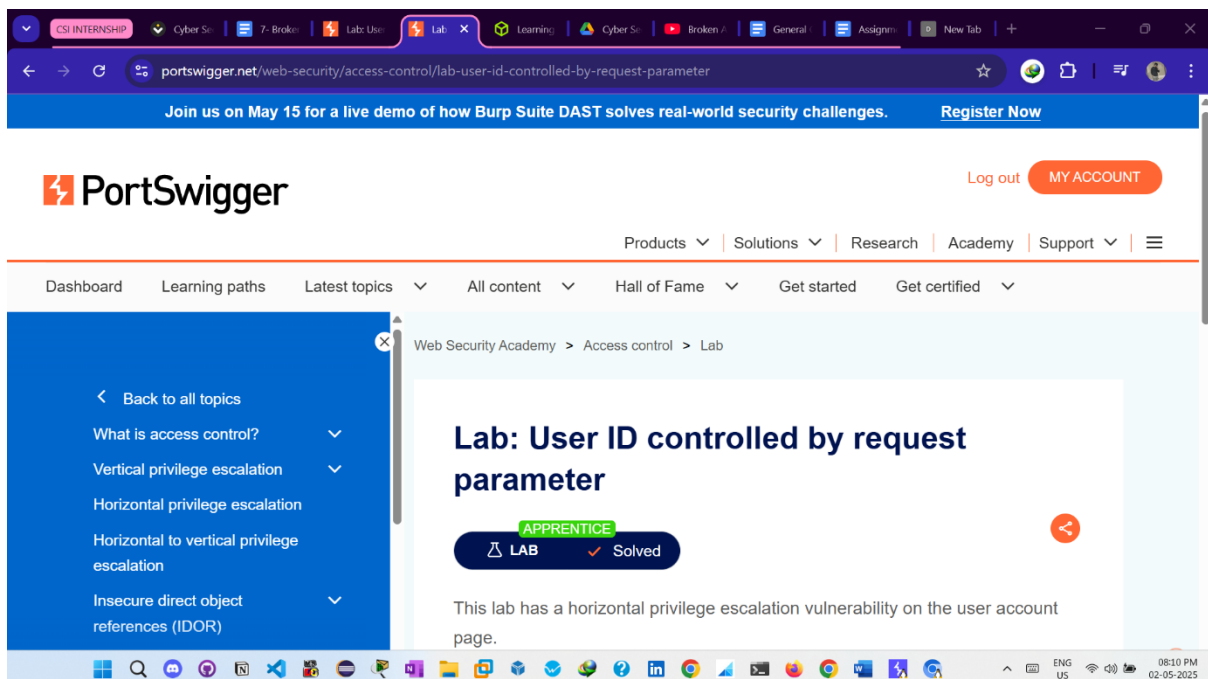
PORTSWIGGER LAB 3 – User role controlled by request parameter



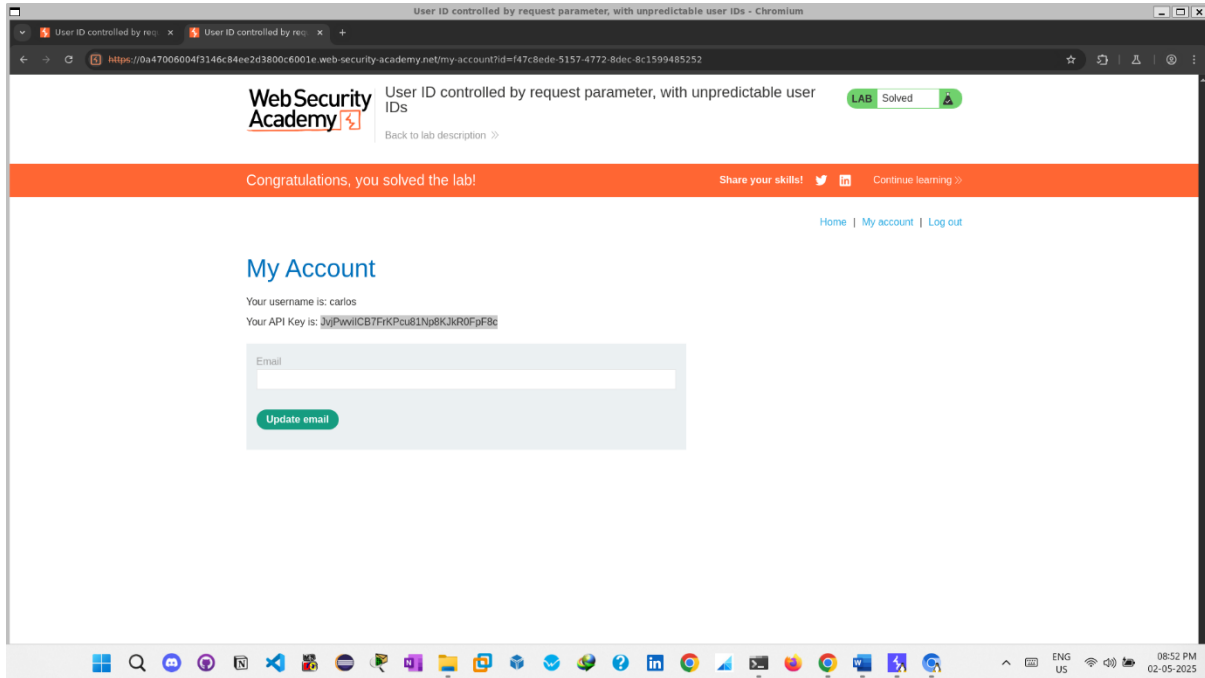
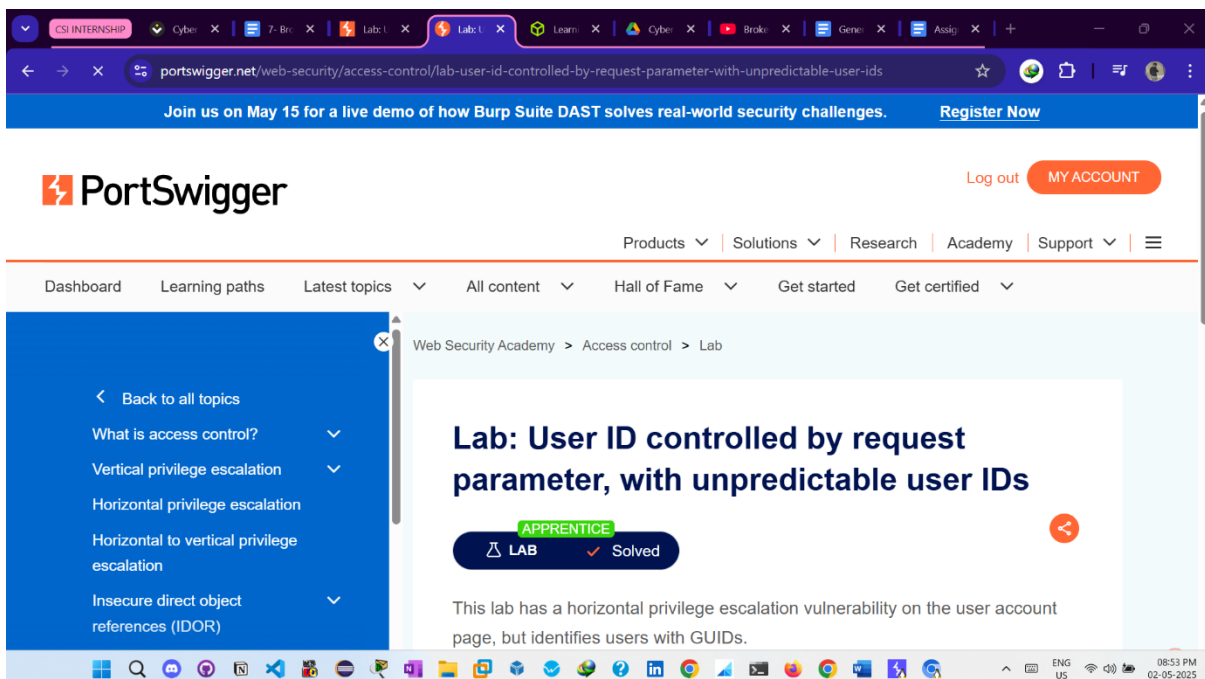
PORTSWIGGER LAB 4 – User role can be modified in user profile



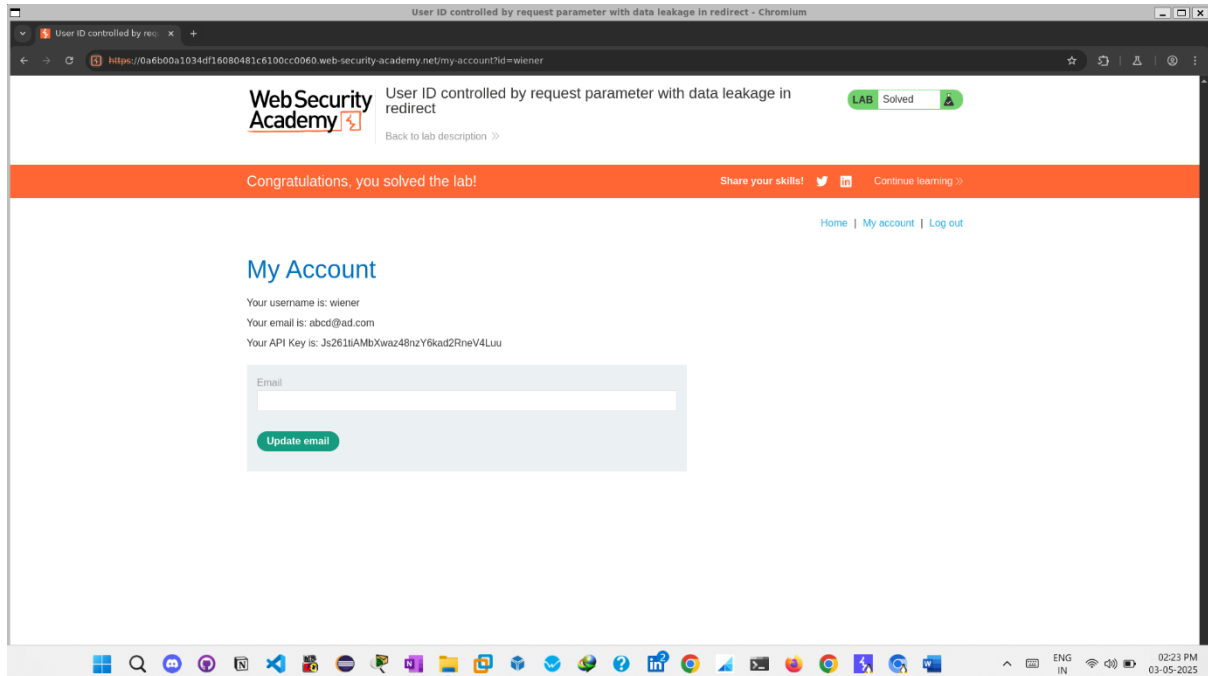
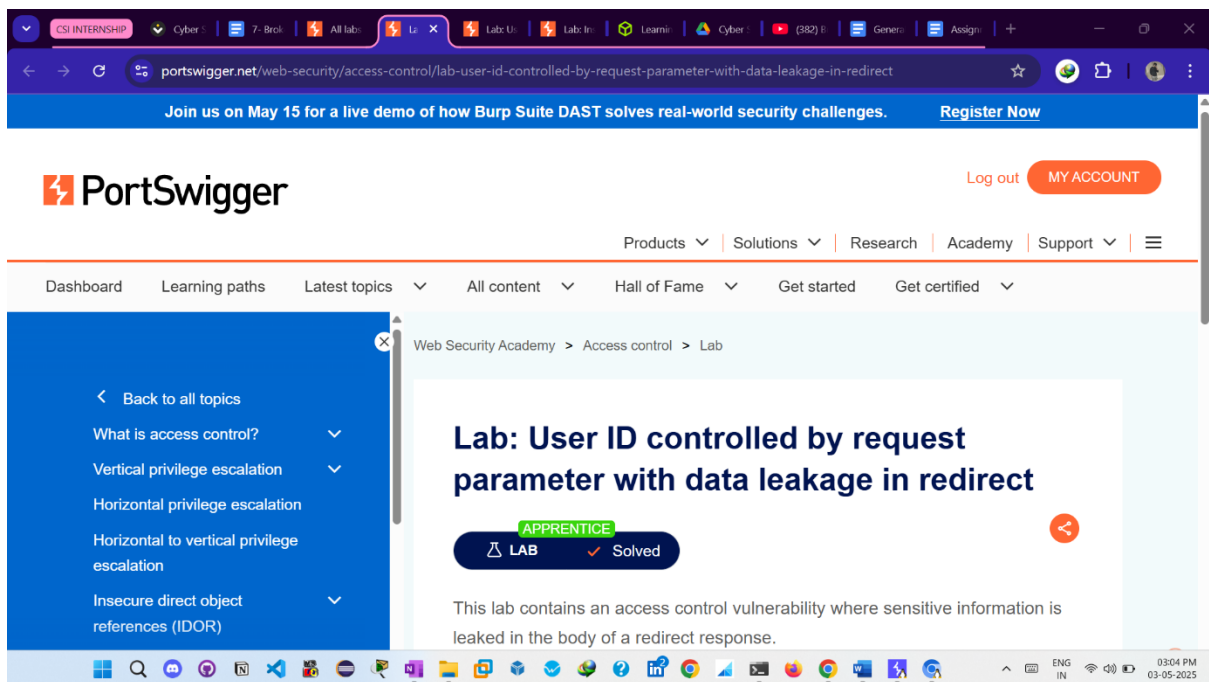
PORTSWIGGER LAB 5 – User ID controlled by request parameter



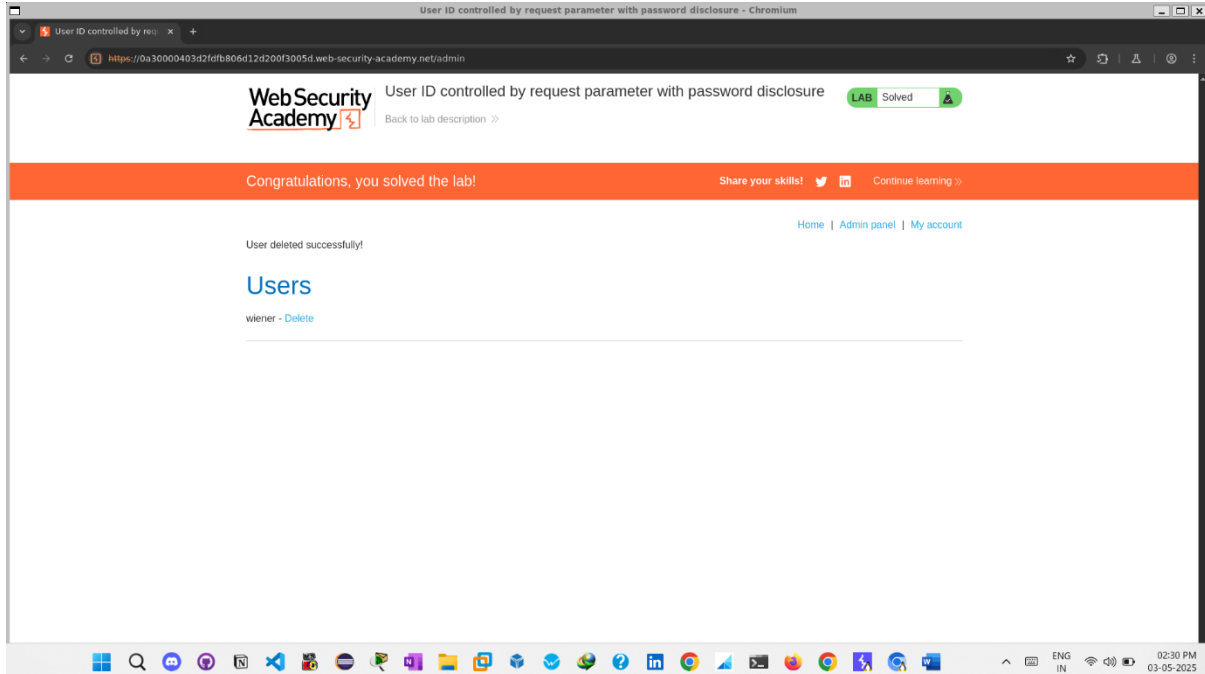
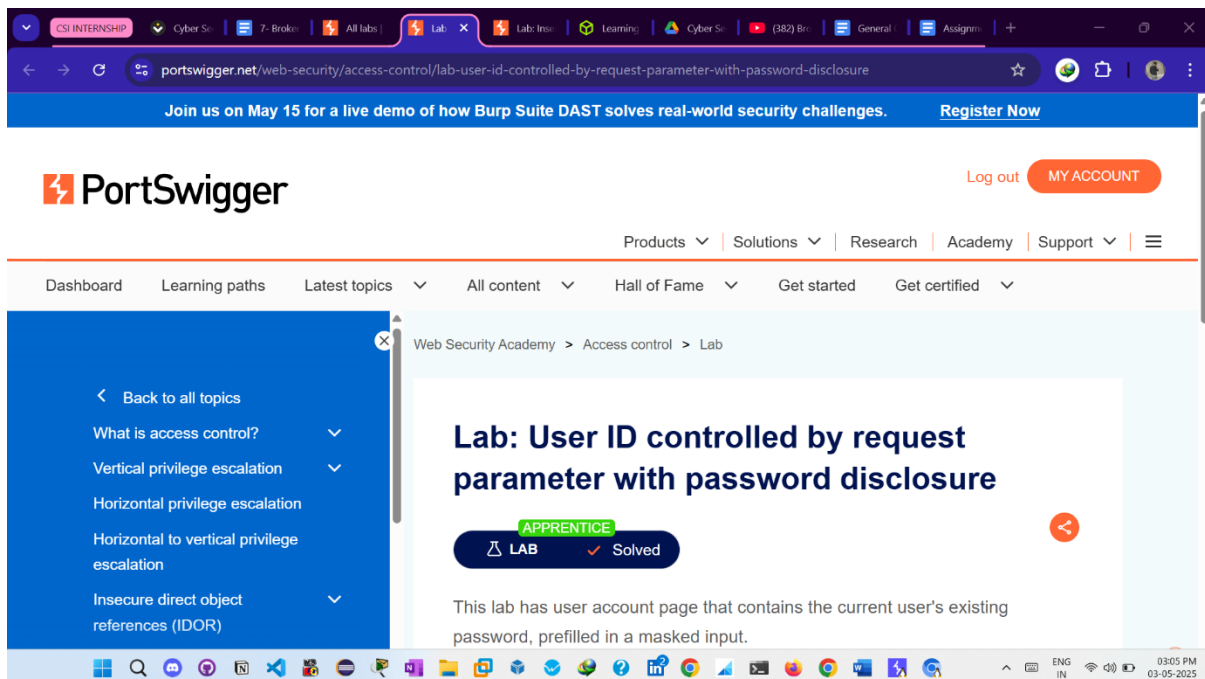
PORTSWIGGER LAB 6 – User ID controlled by request parameter, with unpredictable user IDs



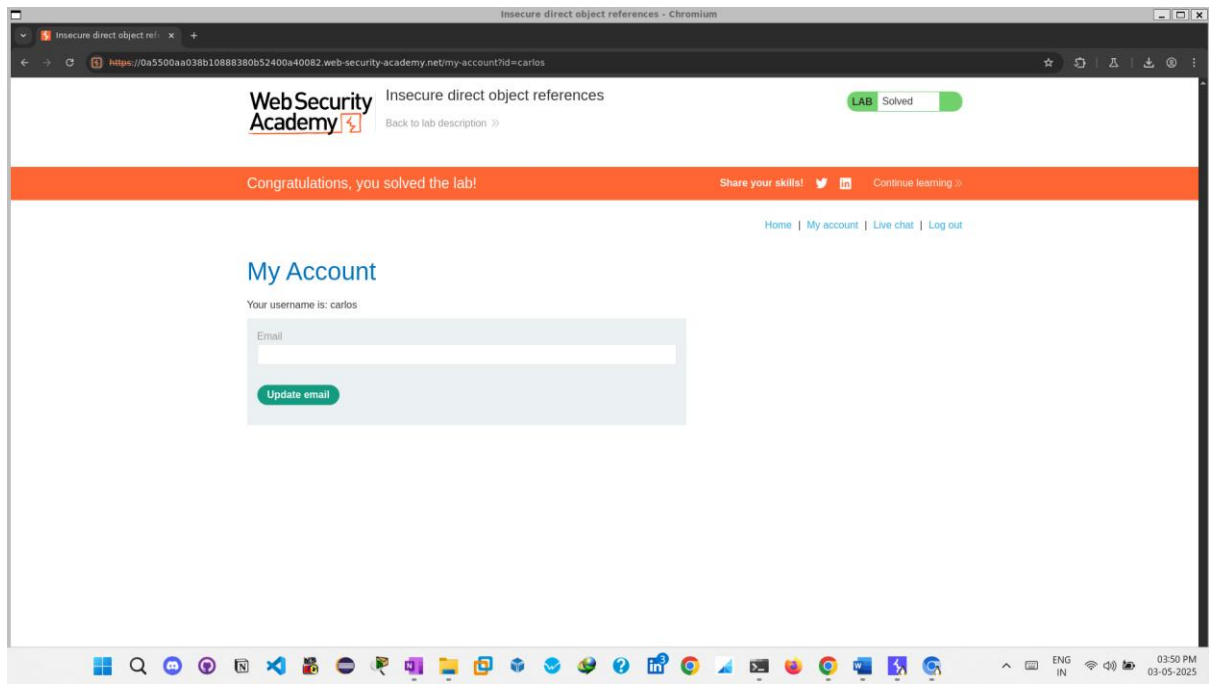
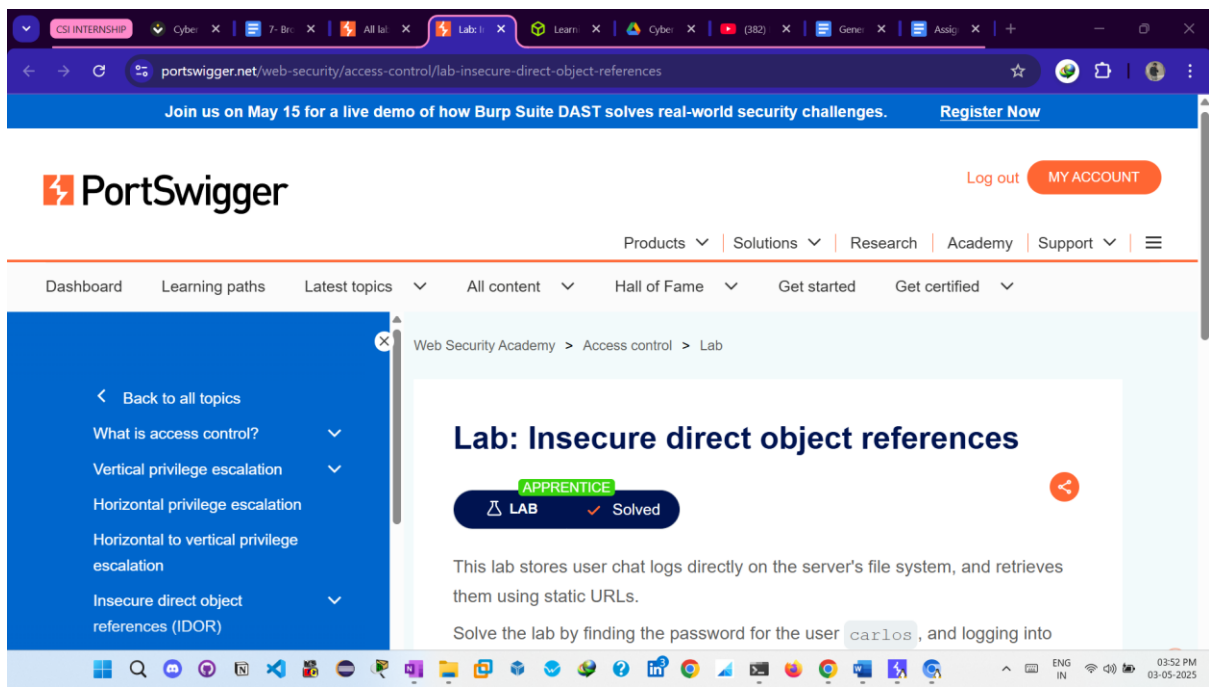
PORTSWIGGER LAB 7 – User ID controlled by request parameter with data leakage in redirect



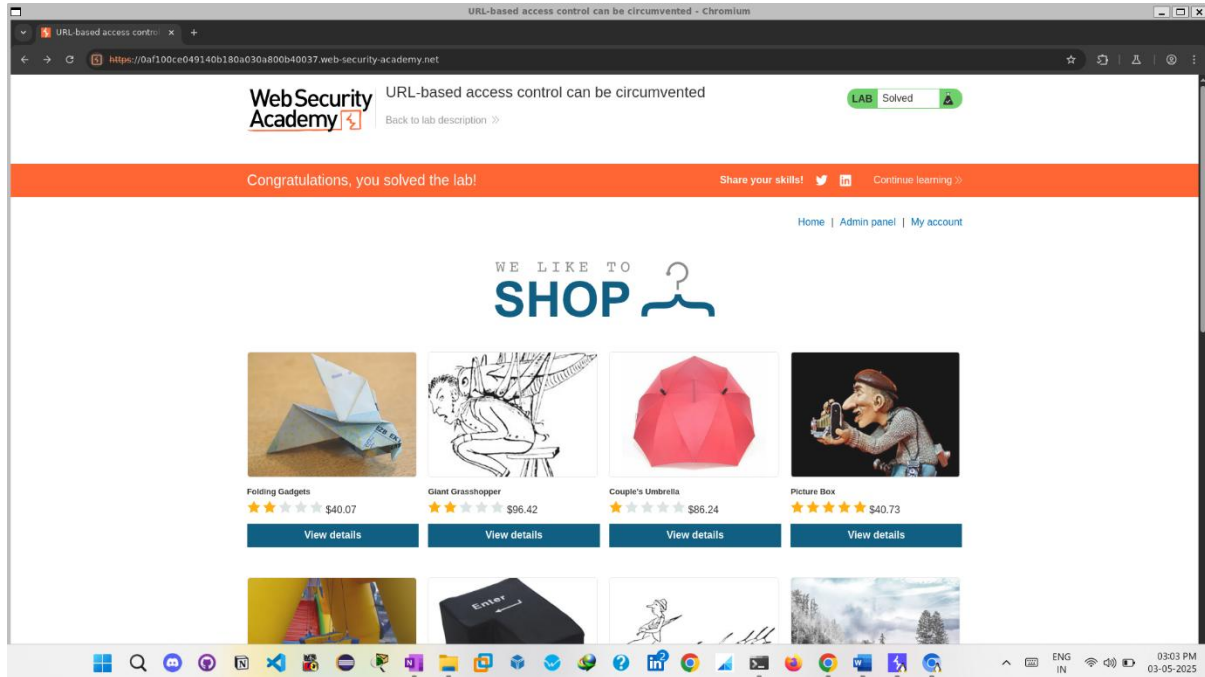
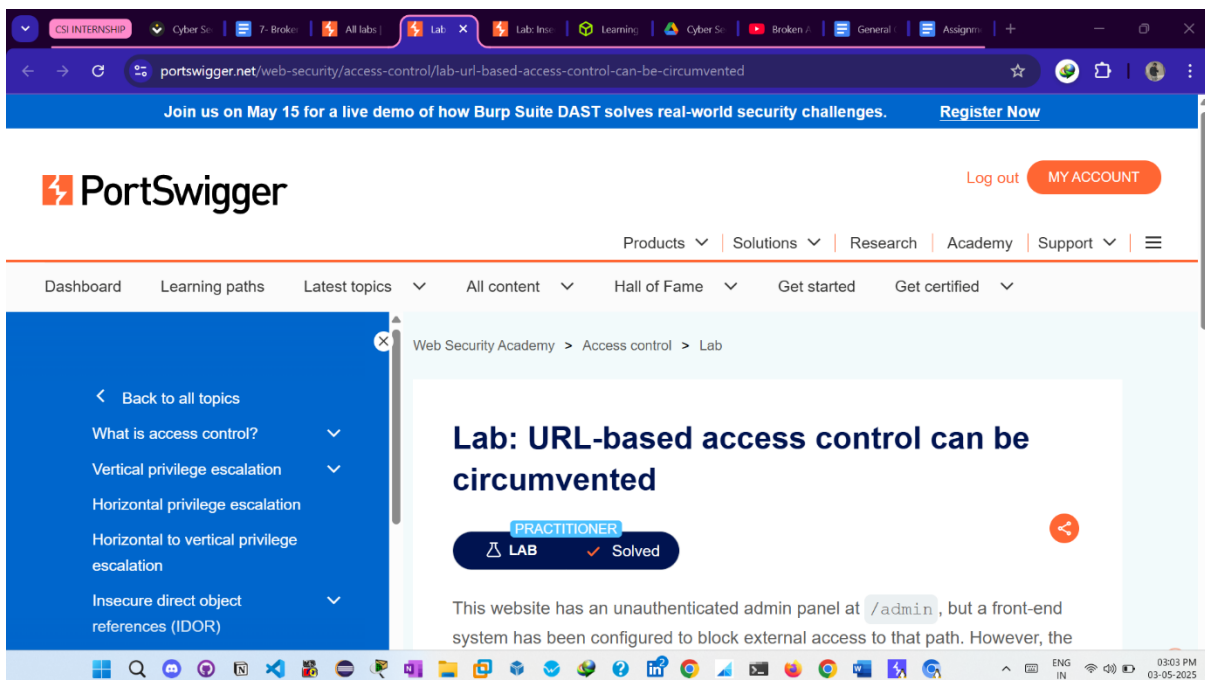
PORTSWIGGER LAB 8 – User ID controlled by request parameter with password disclosure



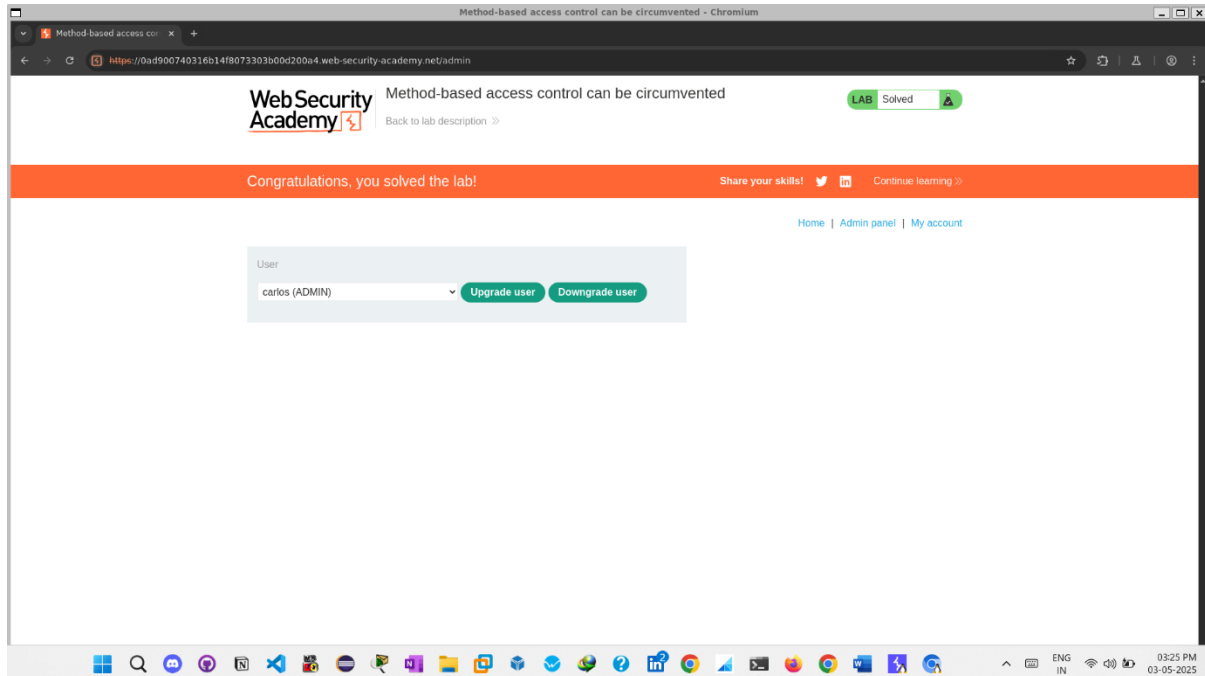
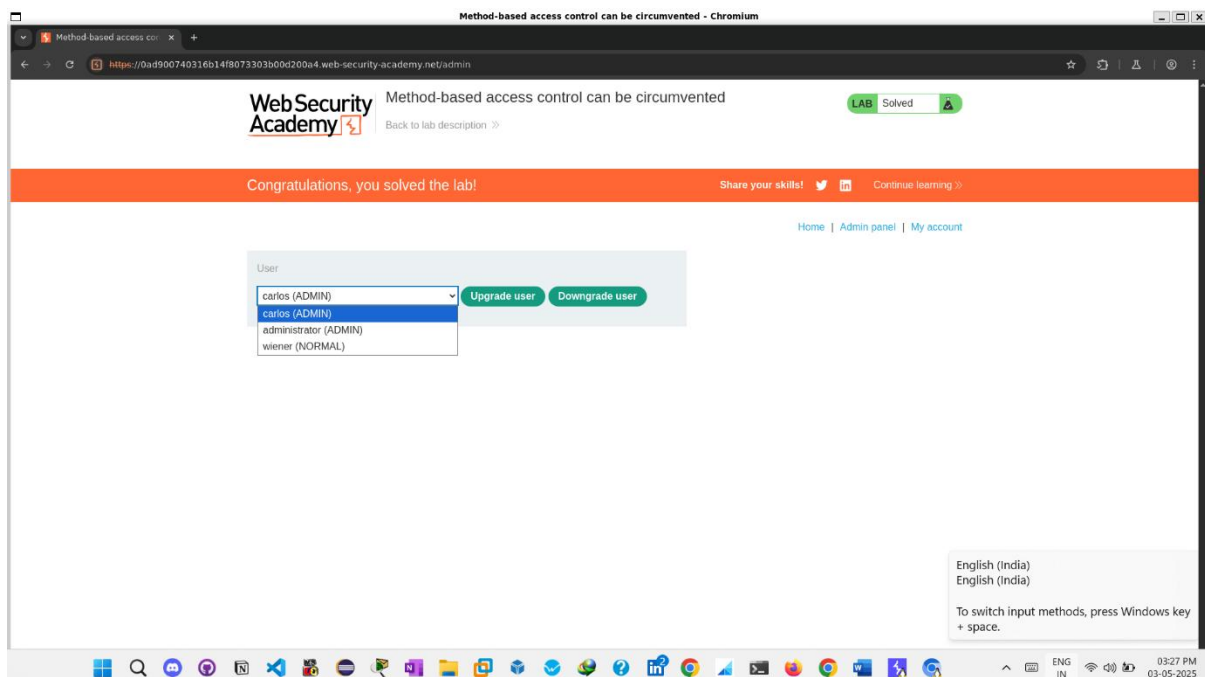
PORTSWIGGER LAB 9 – Insecure direct object references

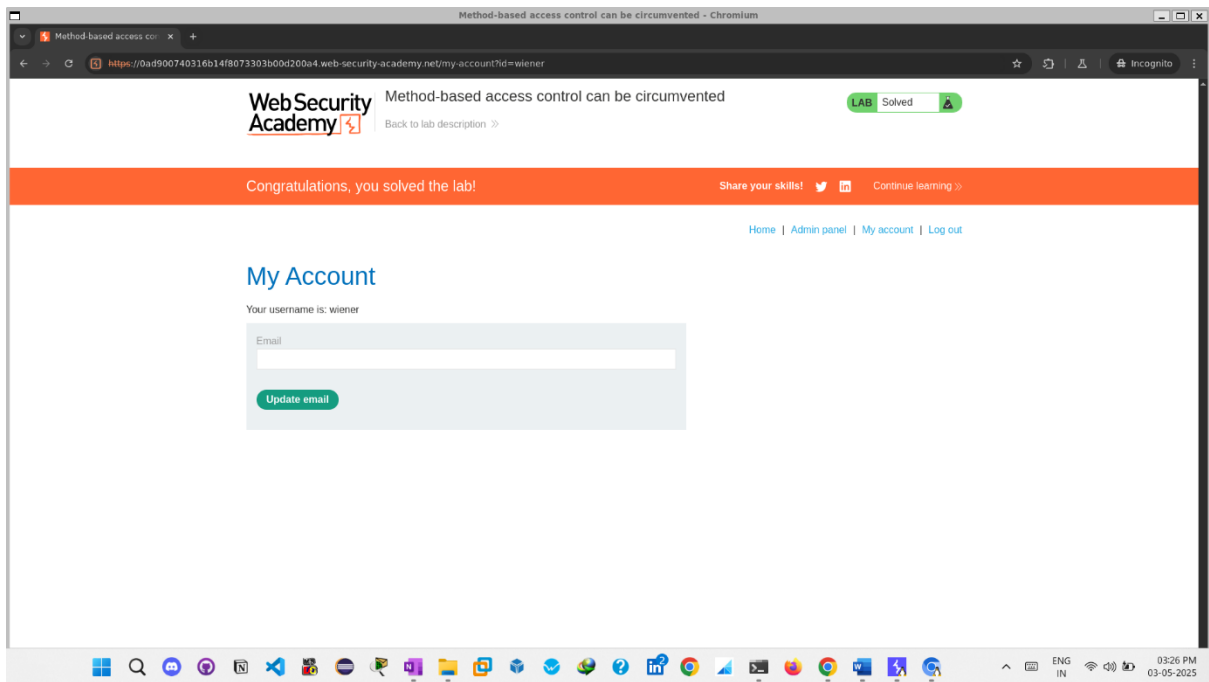
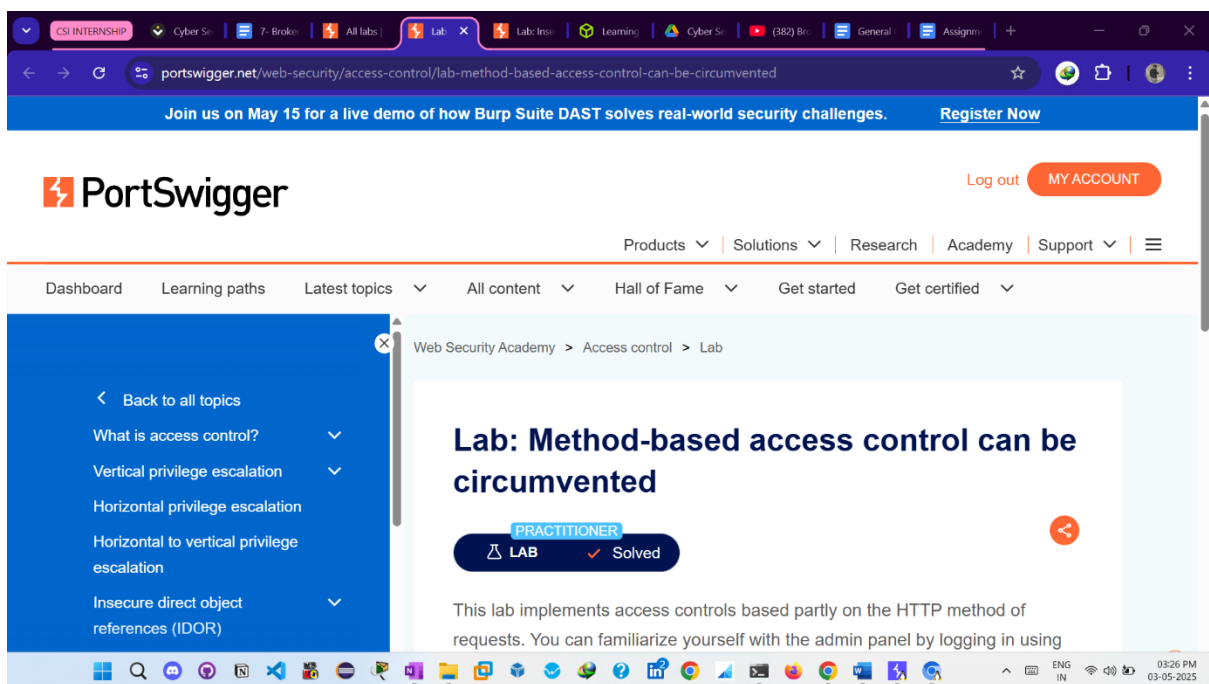


PORTSWIGGER LAB 10 – URL-based access control can be circumvented

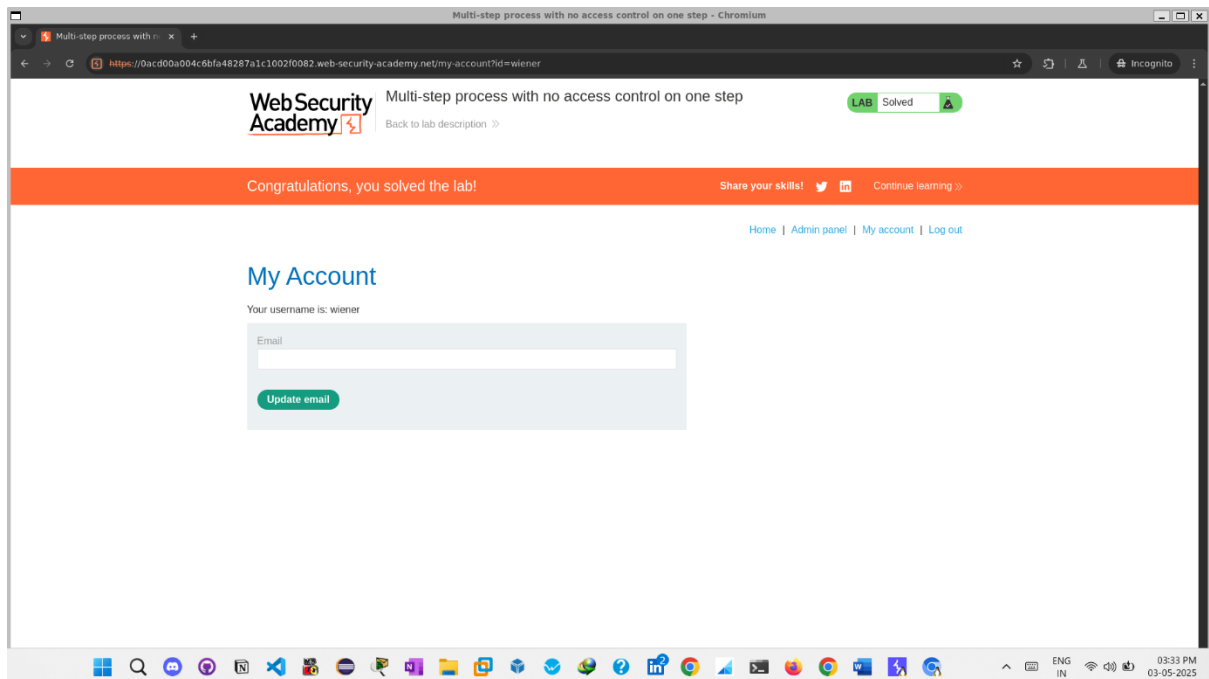
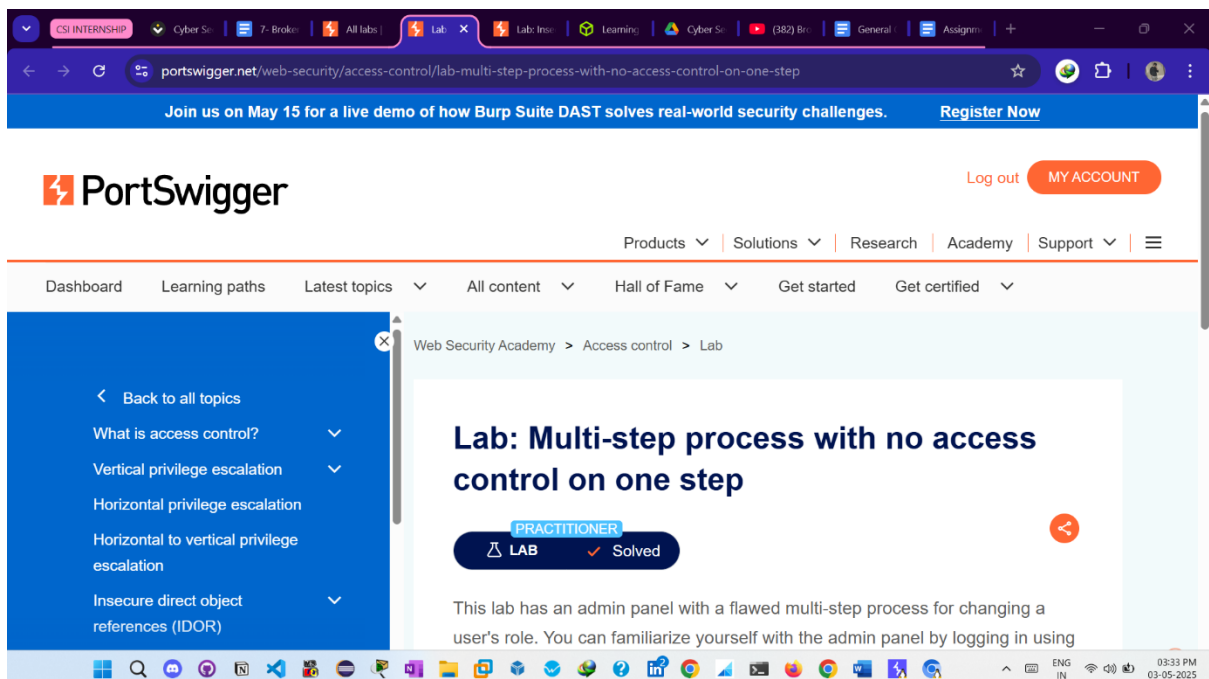


PORTSWIGGER LAB 11 – Method-based access control **can be circumvented**

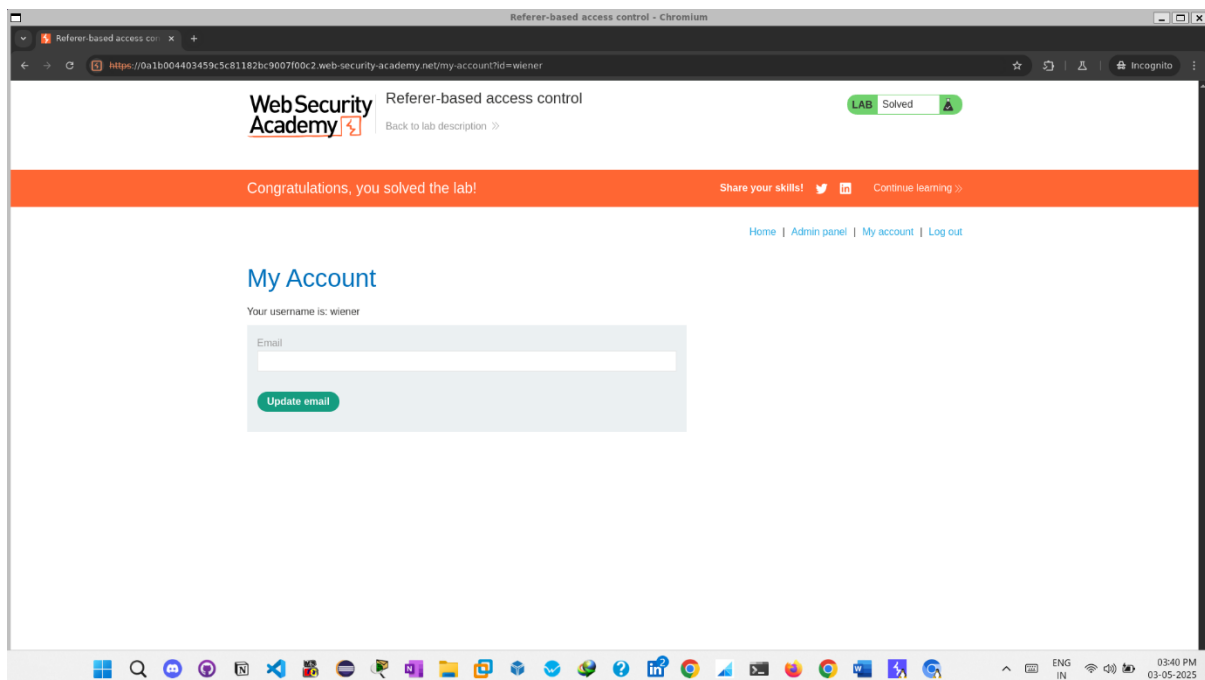
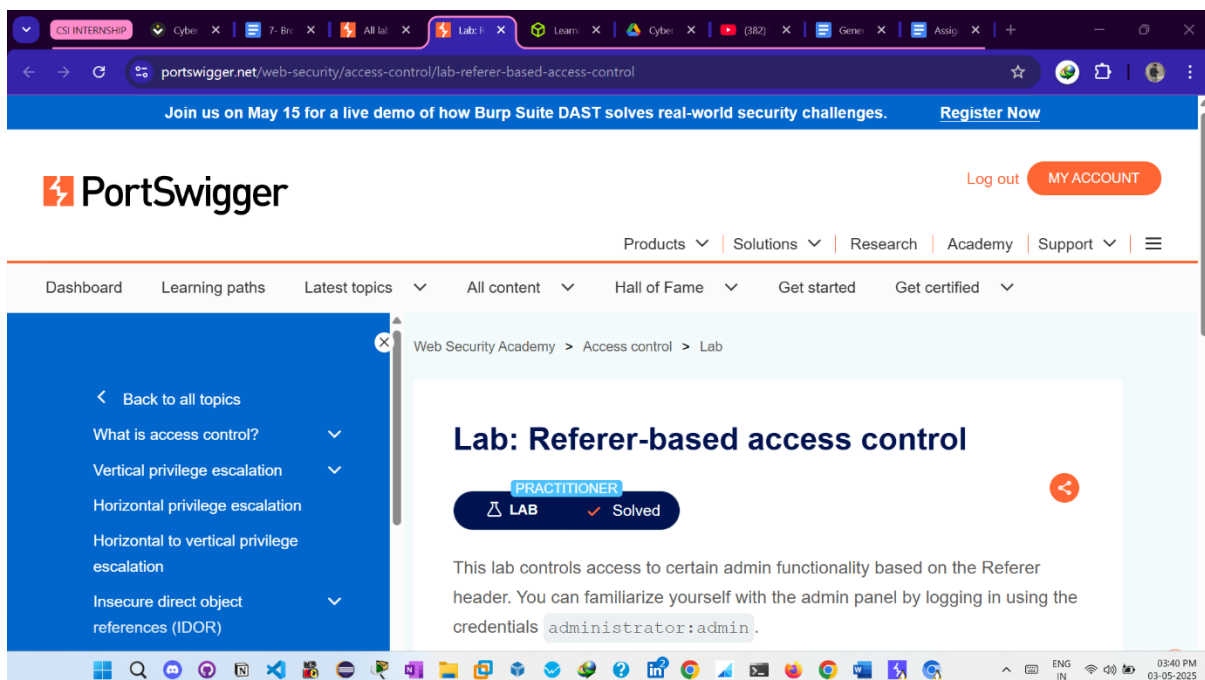




PORTSWIGGER LAB 12– Multi-step process with no access control on one step



PORTSWIGGER LAB 13– Referrer-based access control



PS: Really happy to solve all labs this time, learned a lot more. Thankyou for this internship