Week 4 - Assignment

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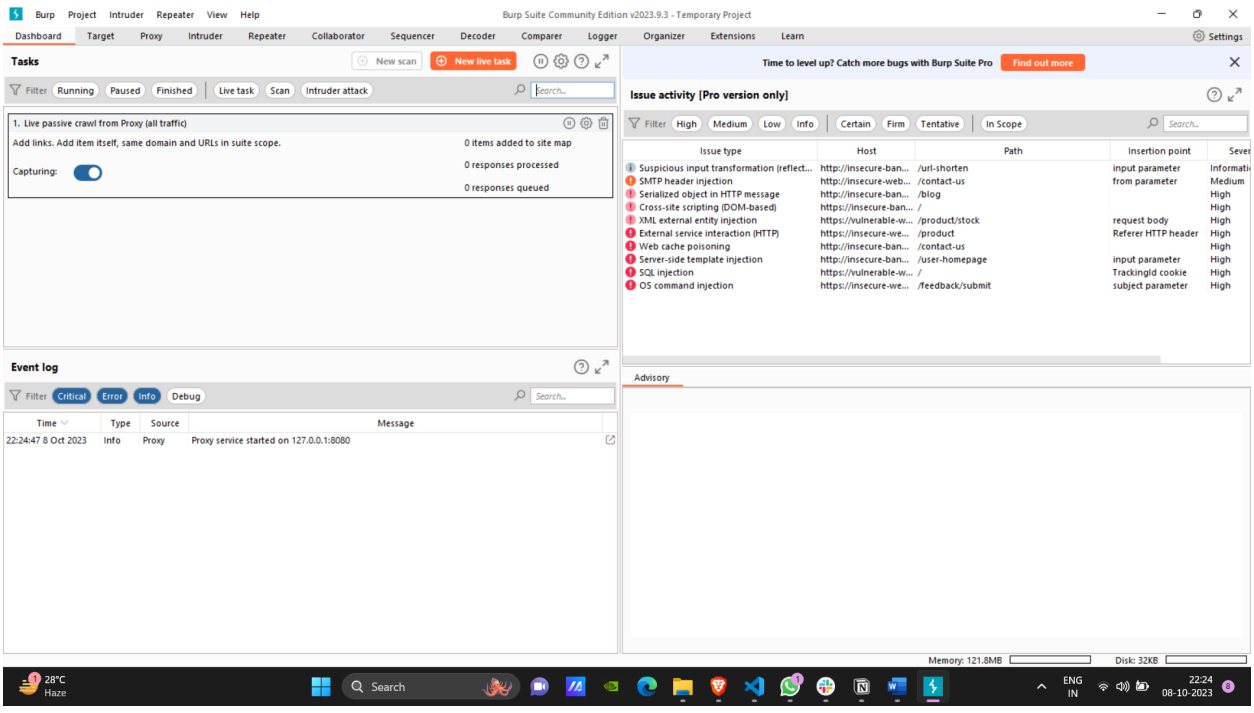
Burp Suite

1. What is Burp suite?

Developed by PortSwigger, Burp Suite is a well-known web vulnerability scanner and testing tool for identifying security flaws in web applications. It is frequently used to find vulnerabilities in online applications throughout the development and testing phases by cybersecurity experts, penetration testers, and ethical hackers. Burp Suite offers a number of tools and capabilities that aid in identifying and using security flaws.



2. Why Burp suite?

- `User-Friendly Interface`

  Burp Suite offers a straightforward UI that is user-friendly for both novice and

seasoned users.

- `Extensive Features`
  It has several functions, such as crawling, session management, web vulnerability screening, and more.
- `Actively Maintained`
  Burp Suite is continuously updated and maintained by PortSwigger to keep it current with the most recent security threats and vulnerabilities.
- `Flexibility`
  Its extensibility capabilities enable customization and expansion, enabling users to include their own plugins and scripts.
- `Effective Reporting`
  Burp Suite offers extensive details on vulnerabilities discovered, making it simpler for developers to comprehend and address the problems.

3. What are the features of burp suite?

- `Spider`
  Burp Suite can map out the various pages and functionality of websites by crawling them.
- `Scanner`
  It contains a strong scanner that can instantly identify widespread online application vulnerabilities like SQL injection, cross-site scripting (XSS), and more.
- `Intruder`
  With the help of the Intruder tool from Burp Suite, users may automate targeted assaults to identify vulnerabilities by adjusting various settings.
- `Repeater`
  With the help of this tool, testers may manually test individual requests and alter and thoroughly examine them.
- `Sequencer`
  It evaluates the level of unpredictability in tokens created by applications, which is important for security measures like session tokens.

- `Decoder`
  Burp Suite's decoder feature enables testers to comprehend and alter many sorts of data, including URL and Base64 encoding. This data is transmitted between the client and the server.
- `Comparer`
  It compares server answers to find variations that may be a sign of possible security problems.
- `Collaborator`
  Burp Out-of-band vulnerabilities, which do not directly interact with the tester but can still be attacked, are found with the assistance of the collaborator.

Burp Suite is a *powerful and versatile tool* that can be *used to perform a wide range of WAST tasks.* It is a must-have tool for any security professional who *tests web applications for security vulnerabilities*.

4. Testing the vulnerabilities

SQL Injection

Lets try to login to Admin account in testfire.net

Try 1:

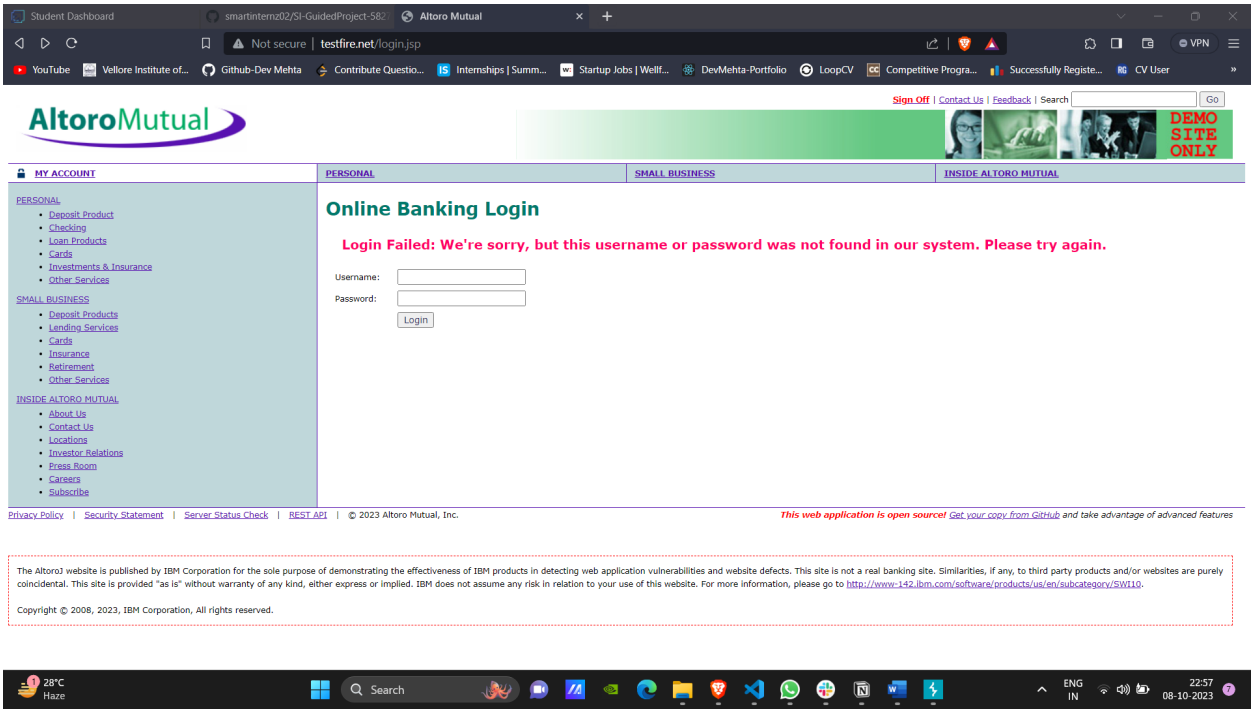
Username - admin

Password - 12345678

Try 2:

Username - admin'—

Password - 12345678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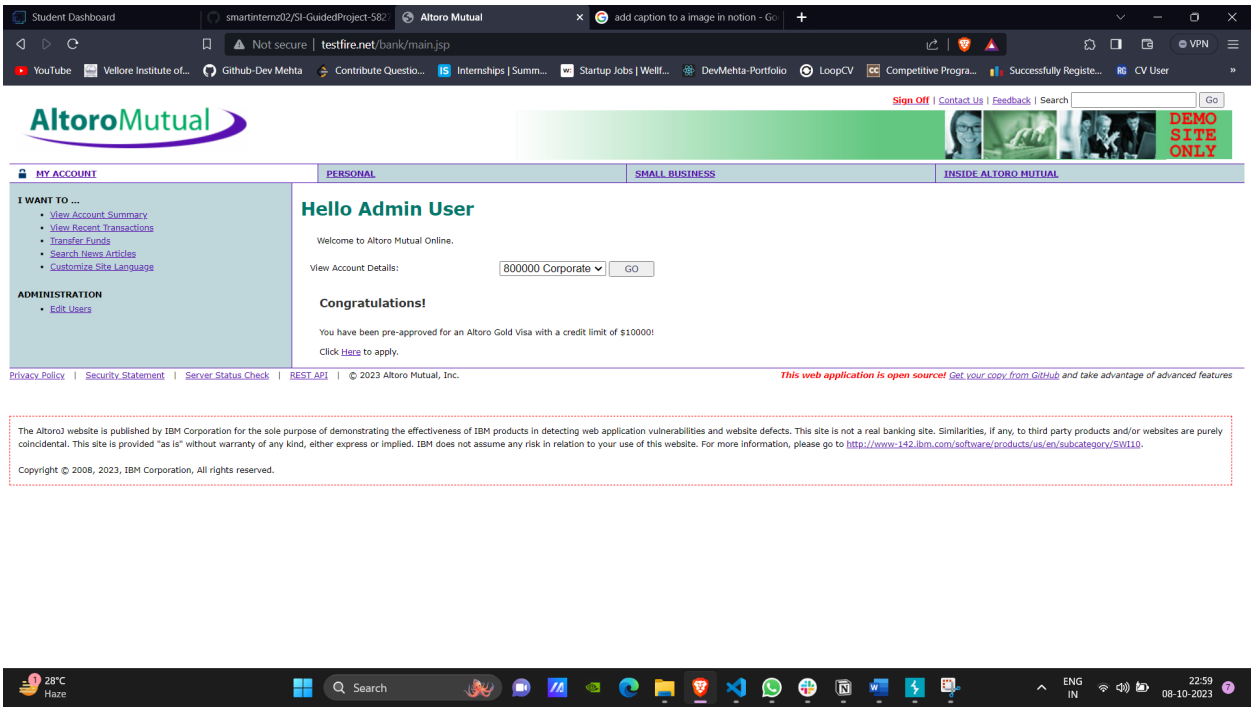
Try 1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Try 2