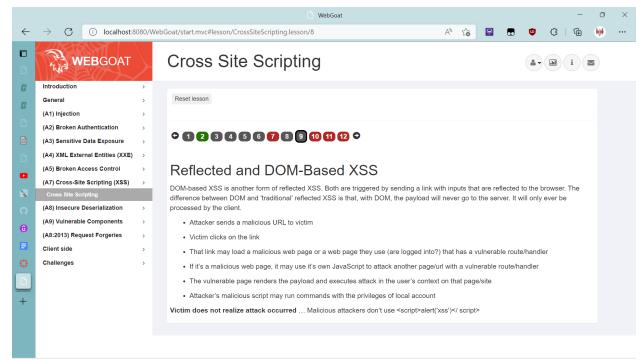
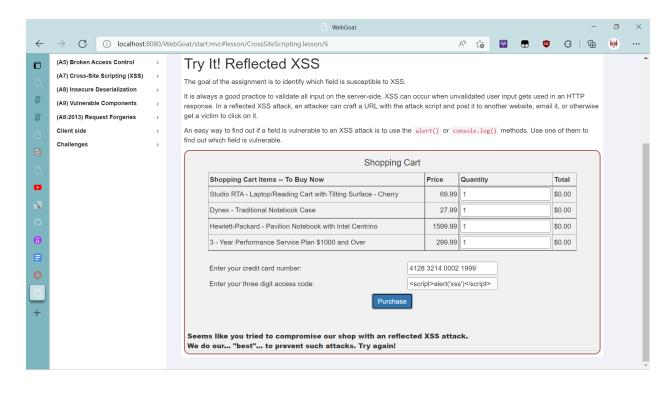
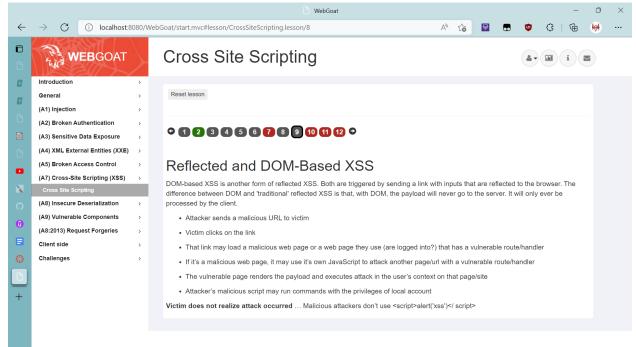
Shashank Mondrati Connor Caroll Dominik Gonzales Will Ngyuyen

Activity 6.2

Screenshots







And as the above screenshot shows I cannot see Cross Site Scripting (Stored) menu in my webgoat

Q1: Explain your observation and understanding of the vulnerability of this challenge – Reflected XSS. [3 points]

From what we see is when you enter a XSS command the webgoat recognized it as an attack command and countered it with the message saying it was recognized.

Q3: What are some measures that can be taken to block a stored XSS attack (List 3)? [3 points]

- Filter input on arrival. At the point where user input is received, filter as strictly as possible based on what is expected or valid input.
- Encode data on output. At the point where user-controllable data is output in HTTP responses, encode the output to prevent it from being interpreted as active content. Depending on the output context, this might require applying combinations of HTML, URL, JavaScript, and CSS encoding.
- Use appropriate response headers. To prevent XSS in HTTP responses that aren't
 intended to contain any HTML or JavaScript, you can use the Content-Type and
 X-Content-Type-Options headers to ensure that browsers interpret the responses
 in the way you intend.

Q4: What information can the attacker steal using XSS attacks (List 3). [3 points]

• Session tokens, user credentials or commercially valuable data, as well as to perform sensitive operations

Q5: What are some common locations on a web page that can be vulnerable to an XSS attack (List 3). [3 points]

• Scripting attacks are forums, message boards, and web pages that allow comments.

Q6: What are some of the consequences of an XSS attack (List 3). [3 points]

• Code injected into a vulnerable application can exfiltrate data or install malware on the user's machine. Attackers can masquerade as authorized users via session cookies, allowing them to perform any action allowed by the user account.