Module-3

1) Same Origin Policy (SOP)

Same-Origin Policy (SOP) is an important security concept in web development that helps prevent malicious scripts from making unauthorized requests to different domains. Here are some resources that can help you understand and learn more about it:

a) https://www.youtube.com/watch?v=bSJm8-zJTzQ&ab_channel=LiveOverflow
b) https://portswigger.net/web-security/cors/same-origin-policy
c) https://developer.mozilla.org/en-US/docs/Web/Security/Same-origin_policy

2) Cross-Origin Resource Sharing (CORS)

Cross-Origin Resource Sharing (CORS) is closely related to the Same-Origin Policy (SOP) in web development. CORS is a security feature that allows servers to specify who can access their resources from different origins while adhering to the restrictions imposed by the Same-Origin Policy. Here are some resources that delve into CORS in relation to the SOP:

a) https://www.youtube.com/watch?v=HwQNpeWfd_U&ab_channel=codedamn
b) https://developer.mozilla.org/en-US/docs/Web/HTTP/CORS

LABS:

a) https://portswigger.net/web-security/all-labs#cross-origin-resource-sharing-cors

3) Insecure direct object references (IDOR)

a) https://www.youtube.com/watch?v=rloqMGcPMkI&ab_channel=PwnFunction
b) https://cheatsheetseries.owasp.org/cheatsheets/Insecure_Direct_Object_Reference_Prevention_Cheat_Sheet.html
c) https://portswigger.net/web-security/access-control/idor

Real life Vulnerability/bug Reports:

   a) https://medium.com/search?q=idor+vulnerability

Labs

   a) https://portswigger.net/web-security/all-labs#access-control-vulnerabilities

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Assignments:

   1. **http://13.233.85.98:3001/**
   2. **http://13.233.85.98:3003/**
   3. **http://13.233.85.98:3004/**
   4. **http://13.233.85.98:3005/**
   5. **http://13.233.85.98:3006/**

Username: **barry**

Password: **barry123**

Scenario:

You are being provided with the user credentials corresponding to userID 1. Your aim is to unauthorizedly fetch the user card details of user ID:4

For the 5th challenge, you need to update the details corresponding to userID 4.

*****************************Best of Luck*****************************