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Question: 56

Which of the following is a secure coding practice to prevent Remote Code Execution vulnerabilities?

- A. Allowing user-supplied input to be executed without proper validation
- B. Disabling input validation for code execution
- C. Implementing input validation and sanitization for code execution
- D. Using weak or common passwords

Answer: C

Explanation: Implementing input validation and sanitization for code execution is a secure coding practice to prevent Remote Code Execution vulnerabilities. By validating and sanitizing user-supplied input before executing it as code, the risk of malicious code execution can be mitigated. Allowing user-supplied input to be executed without proper validation, disabling input validation for code execution, and using weak or common passwords are insecure practices that can contribute to Remote Code Execution vulnerabilities.

Question: 57

Which of the following is a secure coding practice to prevent Security Vulnerabilities in third-party libraries?

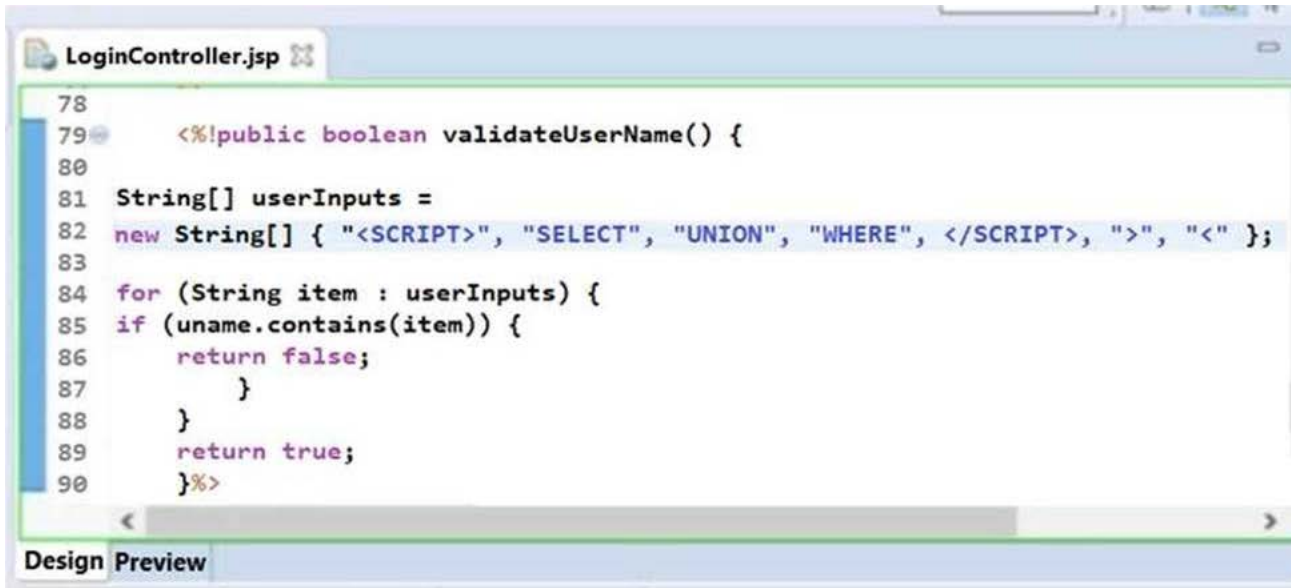
- A. Using outdated and unpatched libraries
- B. Disabling input validation for libraries
- C. Storing sensitive data in plain text in the libraries
- D. Implementing regular updates and patching for libraries

Answer: D

Explanation: Implementing regular updates and patching for libraries is a secure coding practice to prevent Security Vulnerabilities in third-party libraries. By keeping libraries up to date and applying patches promptly, the application can address known vulnerabilities and reduce the risk of exploitation. Using outdated and unpatched libraries, disabling input validation for libraries, and storing sensitive data in plain text in the libraries are insecure practices that can contribute to security vulnerabilities.

Question: 58

Sam, an application security engineer working in INFRA INC., was conducting a secure code review on an application developed in Java. He found that the developer has used a piece of code as shown in the following screenshot.



```
78
79 <%!public boolean validateUserName() {
80
81 String[] userInputs =
82 new String[] { "<SCRIPT>", "SELECT", "UNION", "WHERE", </SCRIPT>", ">", "<" };
83
84 for (String item : userInputs) {
85 if (uname.contains(item)) {
86 return false;
87 }
88 }
89 return true;
90 }%>
```

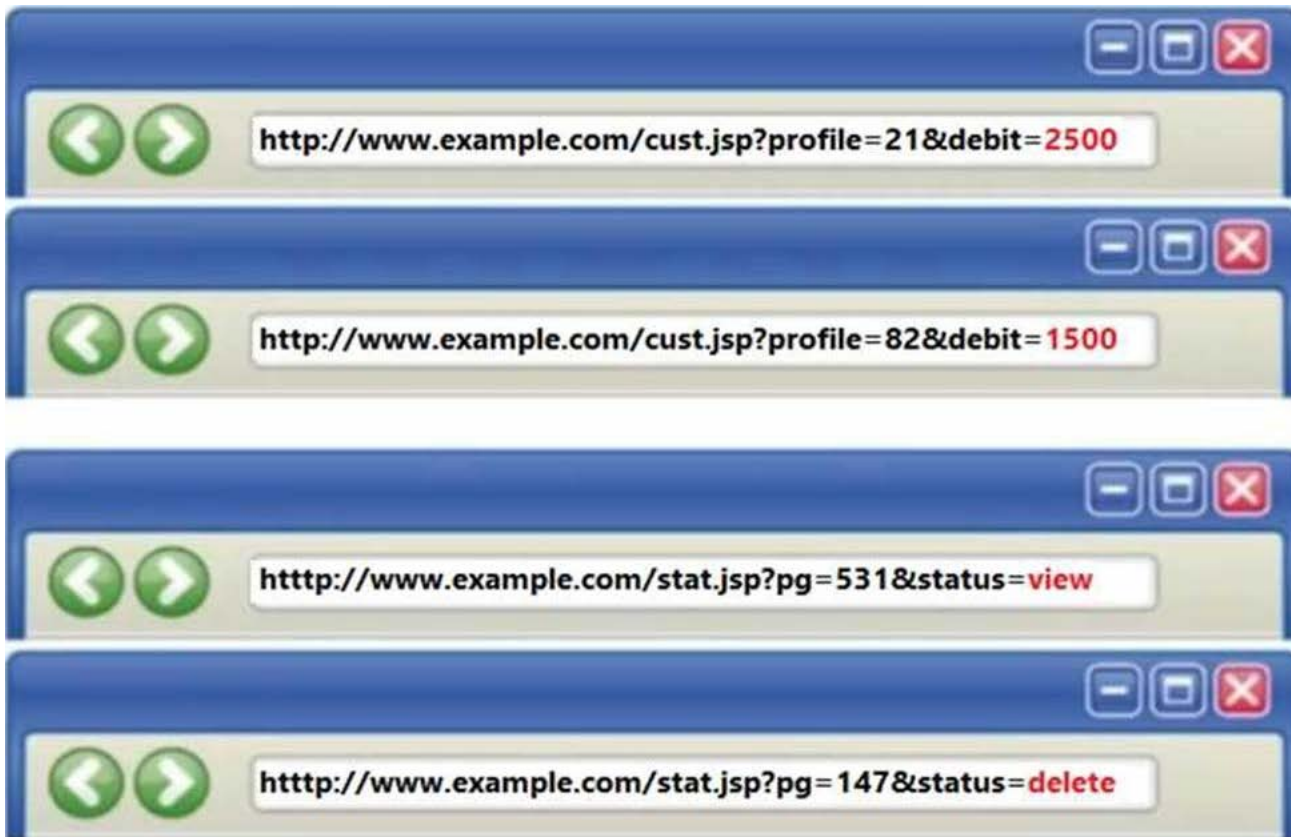
Identify the security mistakes that the developer has coded?

- A. He is attempting to use client-side validation
- B. He is attempting to use whitelist input validation approach
- C. He is attempting to use regular expression for validation
- D. He is attempting to use blacklist input validation approach

Answer: D

Question: 59

Identify the type of attack depicted in the following figure.



- A. SQL Injection Attacks
- B. Session Fixation Attack
- C. Parameter Tampering Attack
- D. Denial-of-Service Attack

Answer: C

Question: 60

According to secure logging practices, programmers should ensure that logging processes are not disrupted by:

- A. Catching incorrect exceptions
- B. Multiple catching of incorrect exceptions
- C. Re-throwing incorrect exceptions
- D. Throwing incorrect exceptions

Answer: D

Question: 61

Which of the threat classification model is used to classify threats during threat modeling process?

- A. RED
- B. STRIDE
- C. DREAD
- D. SMART

Answer: B

Question: 62

Which line of the following example of Java Code can make application vulnerable to a session attack?

```
1:  Public class storecookie extends HttpServlet {
2:  Public void doGet () {
3:  Cookie ssnCookie = new Cookie ("Session Cookie" + value);
4:  ssnCookie.setMaxAge (3600);
5:  response.addCookie (ssnCookie);
6:  }
```

- A. Line No. 1
- B. Line No. 3
- C. Line No. 4
- D. Line No. 5

Answer: B

Question: 63

Alice, a Server Administrator (Tomcat), wants to ensure that Tomcat can be shut down only by the user who owns the Tomcat process. Select the appropriate setting of the CATALINA_HOME/conf in server.xml that will enable him to do so.

- A. < server port="" shutdown="" >
- B. < server port="-1" shutdown="*" >
- C. < server port="-1" shutdown="SHUTDOWN" >
- D. < server port="8080" shutdown="SHUTDOWN" >

Answer: B

Question: 64

Which of the following method will help you check if DEBUG level is enabled?

- A. isDebugEnabled()
- B. EnableDebug ()
- C. IsEnableDebug ()
- D. DebugEnabled()

Answer: A

Question: 65

Which of the following elements in web.xml file ensures that cookies will be transmitted over an encrypted channel?

- A. < connector IsSSLEnabled="Yes" / >
- B. < connector EnableSSL="true" / >
- C. < connector SSLEnabled="false" / >
- D. < connector SSLEnabled="true" / >

Answer: D

Question: 66

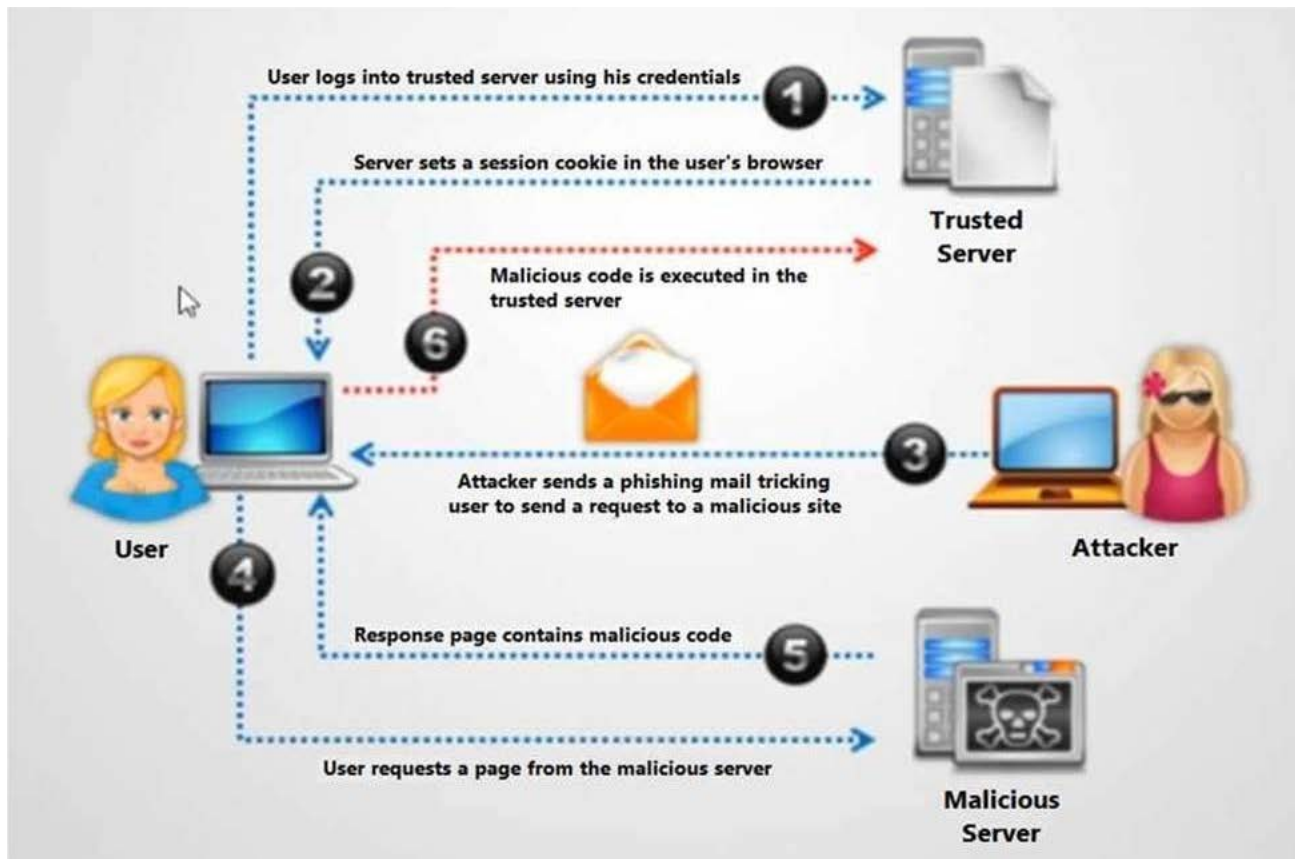
In which phase of secure development lifecycle the threat modeling is performed?

- A. Coding phase
- B. Testing phase
- C. Deployment phase
- D. Design phase

Answer: D

Question: 67

Identify the type of attack depicted in the figure below:



- A. XSS
- B. Cross-Site Request Forgery (CSRF) attack

- C. SQL injection attack
- D. Denial-of-Service attack

Answer: B

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