

Name 1
Name 2

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Grade 100

Password and Session Management

Describes the password management system adequately:

Identifies how passwords are stored	1	1
Identifies how passwords are transmitted	1	1
Identifies how passwords are authenticated	1	1

Vulnerabilities

identifies and describes 2 distinct vulnerabilities	2	2
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Implementation

describes two modifications adequately	2	2
implements two techniques properly	2	2

Describes the session management system adequately:

hashed password is stored	1	1
username in plaintext is stored	1	1
Identifies how sessions are maintained	1	1
Identifies what checks are performed	1	1

Vulnerabilities

identifies and describes 3 distinct vulnerabilities	3	3
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Implementation

describes 3 modifications adequately	3	3
implements 2 techniques properly	3	3

Phishing

Proper answer and description	1	3
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Total 25 25

XSS Attack

Attack

Provides a well formed input string	4	4
Attack is stealthy	1	1
Explains what the string does	1	1
Attacker side adequate	4	4
Correct permissions provided	1	1
Cookies are stored in a file	1	1
Vulnerability adequately described	2	2

Implementation

Description thorough	2	2
Code works and does not introduce vulnerabilities	4	4

Total 20 20

XSRF Attack

Attack

Serverside webpage adequate	2	2
Attack works as required	2	2
Attack is stealthy + No redirection occurs	2	2
Components of webpage described	2	2
Attack is explained	1	1
Method of luring victim identified	1	1

Vulnerabilities

Adequate description given

2	2
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Prevention

2 distinct methods identified

1	1
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explains what needs to be done

1	1
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explains how to do it

1	1
---	---

explains why it will prevent attack

1	1
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Implementation

Code works and does not introduce vulnerabilities

4	4
---	---

Total

20

 20

SQL Injection

Attack

Identifies webpage to attack

1	1
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SQL string well formed + works with no errors

4	4
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Attack successfully executed (user + post created)

4	4
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Implementation

Description thorough

3	3
---	---

Code works and does not introduce vulnerabilities

4	4
---	---

Secret Key

Thorough description of a good fix provided

4	4
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Total

20

 20

Weak Passwords

Paper

NIST standard adequately described

2	2
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Ineffectiveness described

1	1
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Good set of rules suggested

2	2
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Dictionary attack

passwords recovered

10	10
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Total

15

 15