Started on	Monday, 2 June 2025, 12:32 PM
State	Finished
Completed on	Monday, 2 June 2025, 12:38 PM
Time taken	6 mins 32 secs
Marks	9.00/12.00
Grade	<b>75.00</b> out of 100.00
Question 1	
Complete	
Mark 1.00 out of 1.00	
	: JWT replay attacks in sensitive RBAC-based applications?
	otating refresh tokens
<ul><li>b. Use only the</li></ul>	frontend to validate roles
c. Store tokens	in localStorage
🔵 d. Use longer e	xpiration time
Question 2	
Complete	
Mark 0.00 out of 1.00	
If a user's role is upda	ated from "editor" to "admin", but their JWT hasn't expired yet, what is a potential risk?
a. Token becor	nes invalid immediately
<ul><li>b. Token size ir</li></ul>	
c. Role update	may not reflect until re-login
	ets mismatched
Question 3	
Complete	
Mark 1.00 out of 1.00	
In a RBAC model, wh	ich principle is crucial for minimizing access privileges?
a. Token obfus	cation
<ul><li>b. Role inherita</li></ul>	nce
c. Time-based	access
d. Least privileg	
_ 5 2000 p.///iles	y-

Question 4
Complete
Mark 0.00 out of 1.00
In a secure RBAC system, where should the logic for role-based route protection ideally reside?
a. Frontend only
<ul><li>b. JWT header</li></ul>
c. Middleware or backend route handlers
○ d. Database triggers
Question 5
Complete
Mark 1.00 out of 1.00
What change should be made to the following JWT-based login handler to add RBAC? const token = jwt.sign({ id: user.id }, 'mysecret');
a. Encrypt the token
○ b. Use HS512 algorithm
c. Add user email to the payload
od. Add role: user.role to payload
Question 6
Question 6 Complete
Complete
Complete
Complete  Mark 1.00 out of 1.00
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Complete	
Complete	
Mark 1.00 out of 1.00	
What is the problem with the following code if used in production? const token = jwt.sign({ userId: 1 }, '123', { expiresIn: '2h' });	
what is the problem with the following code in used in production: constituted – jwt.sign({ dserid. 1 }, 125 , { expiresin. 211 }),	
a. Token will never expire	
b. The secret is weak and predictable	
c. It uses numeric user ID	
d. Nothing, it's secure	
G. Nothing, it's secure	
Question 9	
Complete	
Mark 1.00 out of 1.00	
What will happen if the secret key used to sign a JWT is leaked?	
a. Token will become unreadable	
○ b. JWTs will auto-expire	
c. Any user can generate valid tokens	
○ d. Signature verification will be stricter	
Question 10	
Complete	
Mark 1.00 out of 1.00	
Which claim in a JWT helps enforce token expiration?	
a. exp	
a. o.p	
○ b. sub	
<ul><li>b. sub</li><li>c. aud</li></ul>	
○ b. sub	
<ul><li>b. sub</li><li>c. aud</li></ul>	
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Question 12		
Complete		
Mark 1.00 out of 1.00		

Why is storing a JWT in localStorage considered risky in web applications?

- a. It expires too quickly
- b. It increases backend load
- oc. It cannot be read by JavaScript
- od. It's vulnerable to XSS attacks