	Monday, 2 June 2025, 12:32 PM
	Finished
	Monday, 2 June 2025, 12:38 PM
	6 mins 13 secs
	10.00/12.00
Grade	83.33 out of 100.00
Question 1	
Complete	
Mark 1.00 out of 1.00	
How can you prevent	JWT replay attacks in sensitive RBAC-based applications?
a. Store tokens	in localStorage
	otating refresh tokens
	frontend to validate roles
d. Use longer e	
u. Ose longer e	xpiration time
Question 2 Complete Mark 1.00 out of 1.00	
If a user's role is upd	ated from "editor" to "admin", but their JWT hasn't expired yet, what is a potential risk?
a. Token becom	nes invalid immediately
○ b. Signature ge	ets mismatched
	may not reflect until re-login
d. Token size ir	
u. Token size ii	Cleases
Question 3	
Complete	
Mark 0.00 out of 1.00	
Mark 0.00 out of 1.00	
In a RBAC model, wh	ich principle is crucial for minimizing access privileges?
a. Token obfus	cation
b. Least privileg	ge
c. Time-based	
d. Role inherita	
G. Note initelita	

Question 4	
Complete	
Mark 1.00 out of 1.00	
In a secure RBAC system, where should the logic for role-based route protection ideally reside?	
a. JWT header	
b. Middleware or backend route handlers	
○ c. Database triggers	
O d. Frontend only	
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');	
What change should be made to the following JWT-based logiff handler to add KBAC: const token – JWLSign(\ id. dser.id \), higsecret \(\),	
a. Encrypt the token	
b. Add user email to the payload	
c. Add role: user.role to payload	
d. Use HS512 algorithm	
G. Use h5512 algorithm	
Question 6	
Complete	
Mark 1.00 out of 1.00	
What is a secure way to refresh a short-lived JWT without asking the user to log in again?	
a. Use the same JWT for 1 year	
a. Use the same JWT for 1 yearb. Store token in sessionStorage	
○ b. Store token in sessionStorage	
b. Store token in sessionStoragec. Use a secure refresh token mechanism	
b. Store token in sessionStoragec. Use a secure refresh token mechanism	
b. Store token in sessionStoragec. Use a secure refresh token mechanism	
 b. Store token in sessionStorage c. Use a secure refresh token mechanism d. Use a cookie-stored access token 	
 b. Store token in sessionStorage c. Use a secure refresh token mechanism d. Use a cookie-stored access token Question 7	
 b. Store token in sessionStorage c. Use a secure refresh token mechanism d. Use a cookie-stored access token Question 7 Complete	
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 □ b. Store token in sessionStorage □ c. Use a secure refresh token mechanism □ d. Use a cookie-stored access token Question 7 Complete Mark 1.00 out of 1.00 What is the primary purpose of the JWT signature? □ a. Prevents cross-site scripting attacks □ b. Encrypts the token data 	
 b. Store token in sessionStorage c. Use a secure refresh token mechanism d. Use a cookie-stored access token Question 7 Complete Mark 1.00 out of 1.00 What is the primary purpose of the JWT signature? a. Prevents cross-site scripting attacks 	

Question 8
Complete
Mark 0.00 out of 1.00
What is the problem with the following code if used in production? const token = jwt.sign({ userld: 1 }, '123', { expiresIn: '2h' });
a. It uses numeric user IDb. Token will never expire
c. Nothing, it's secure
d. The secret is weak and predictable
G. The section is mean and proceedings:
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. Any user can generate valid tokens
b. Token will become unreadable
c. JWTs will auto-expire
od. Signature verification will be stricter
Question 10
Complete
Complete Mark 1.00 out of 1.00
Mark 1.00 out of 1.00
Mark 1.00 out of 1.00
Mark 1.00 out of 1.00 Which claim in a JWT helps enforce token expiration?
Mark 1.00 out of 1.00 Which claim in a JWT helps enforce token expiration? a. sub
Mark 1.00 out of 1.00 Which claim in a JWT helps enforce token expiration? a. sub b. exp
Which claim in a JWT helps enforce token expiration? a. sub b. exp c. aud
Mark 1.00 out of 1.00 Which claim in a JWT helps enforce token expiration? a. sub b. exp c. aud d. iat
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Complete	Question 12		
	Complete		
Mark 1.00 out of 1.00	Mark 1.00 out of 1.00		

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

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