	Monday, 2 June 2025, 12:32 PM
	Finished
	Monday, 2 June 2025, 12:37 PM
	5 mins 6 secs
Marks	9.00/12.00
Grade	75.00 out of 100.00
Question 1	
Complete	
Mark 1.00 out of 1.00	
How can you prevent	t JWT replay attacks in sensitive RBAC-based applications?
a. Implement r	otating refresh tokens
b. Use longer e	expiration time
-	frontend to validate roles
d. Store tokens	
d. Store tokens	The local storage
Question 2	
Complete	
Mark 0.00 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. Role update	may not reflect until re-login
b. Token becor	nes invalid immediately
c. Signature ge	ets mismatched
d. Token size ir	ncreases
Question 3	
Complete	
Mark 1.00 out of 1.00	
Wark 1.00 out of 1.00	
In a RBAC model wh	ich principle is crucial for minimizing access privileges?
in a RDAC Model, Wil	ten principle is crucial for minimizing access privileges:
a Loost privile	
a. Least privile	
ob. Role inherita	
c. Token obfus	cation
Od. Time-based	access

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. Database triggers b. Frontend only c. JWT header d. Middleware or backend route handlers
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. Add role: user.role to payload c. Add user email to the payload d. Use HS512 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 b. Store token in sessionStorage c. Use a secure refresh token mechanism d. Use a cookie-stored access token
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Question 7 Complete Mark 0.00 out of 1.00
What is the primary purpose of the JWT signature?
 a. Encrypts the token data b. Prevents cross-site scripting attacks c. Validates the integrity and authenticity of the token d. Stores expiration timestamp

Question 8			
Complete			
Mark 1.00 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. Nothing, it's secure			
○ b. It uses numeric user ID			
c. The secret is weak and predictable			
O d. Token will never expire			
Question 9			
Complete Mark 1.00 out of 1.00			
Mark 1.00 Out Of 1.00			
What will happen if the secret key used to sign a JWT is leaked?			
Token will become unreadable			
b. JWTs will auto-expire Signature verification will be stricter.			
c. Signature verification will be stricter			
d. Any user can generate valid tokens			
Question 10			
Question 10 Complete			
Complete			
Complete			
Complete Mark 1.00 out of 1.00 Which claim in a JWT helps enforce token expiration?			
Complete Mark 1.00 out of 1.00 Which claim in a JWT helps enforce token expiration? a. exp			
Complete Mark 1.00 out of 1.00 Which claim in a JWT helps enforce token expiration? a. exp b. sub			
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Od. It increases backend load

Question 12	
omplete	
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	
○ b. It expires too quickly	
○ c. It cannot be read by JavaScript	