)uiz-JWT-RB <i>A</i>	C-useMemo:	Attemp	t review
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	<b>n</b> Monday, 2 June 2025, 4:46 PM
	n 7 mins 41 secs
Mark	
Grad	<b>e 93.75</b> out of 100.00
Question 1	
Complete	
Mark 1.00 out of 1.00	
How can you preve	ent JWT replay attacks in sensitive RBAC-based applications?
a Implemen	t rotating refresh tokens
	he frontend to validate roles
	ns in localStorage
d. Use longe	r expiration time
Question 2	
Complete	
Mark 1.00 out of 1.00	
<ul><li>a. Role upda</li><li>b. Token size</li><li>c. Signature</li></ul>	dated from "editor" to "admin", but their JWT hasn't expired yet, what is a potential risk?  te may not reflect until re-login  increases  gets mismatched  omes invalid immediately
Question 3 Complete	
Mark 1.00 out of 1.00	
In a RBAC model, v	which principle is crucial for minimizing access privileges?
a. Least privi	lege
ob. Token obf	uscation
c. Time-base	d access
d. Role inher	itance

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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. Frontend only
b. Middleware or backend route handlers
○ c. JWT header
○ 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. Add role: user.role to payload
b. Add user email to the payload
○ c. Encrypt the token
○ 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 a cookie-stored access token
○ b. Use the same JWT for 1 year
c. Use a secure refresh token mechanism
○ d. Store token in sessionStorage
○ d. Store token in sessionStorage
Question 7
Question 7 Complete
Question 7
Question 7 Complete
Question 7  Complete  Mark 1.00 out of 1.00  What is the primary purpose of the JWT signature?
Question 7 Complete Mark 1.00 out of 1.00  What is the primary purpose of the JWT signature?  a. Stores expiration timestamp
Question 7 Complete Mark 1.00 out of 1.00  What is the primary purpose of the JWT signature?  a. Stores expiration timestamp  b. Validates the integrity and authenticity of the token
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Question 8					
Complete	Complete				
Mark 1.00 ou	t of 1.00				
What is t	the problem with the following code if used in production? const token = jwt.sign({ userId: 1 }, '123', { expiresIn: '2h' });				
	Token will never expire It uses numeric user ID				
	Nothing, it's secure				
	The secret is weak and predictable				
Question 9					
Complete					
Mark 1.00 ou	t of 1.00				
What wil	I happen if the secret key used to sign a JWT is leaked?				
○ a.	Token will become unreadable				
O b.	Signature verification will be stricter				
○ c	JWTs will auto-expire				
d.	Any user can generate valid tokens				
Question 10					
Complete	. (400				
Mark 1.00 ou	t or 1.00				
Which cla	aim in a JWT helps enforce token expiration?				
○ a.	sub				
○ b.	aud				
C.	ехр				
○ d.	iat				
11	•				
Question 11 Complete					
Mark 1.00 ou	t of 1.00				
Which pa	art of a JWT is typically used to store user roles for implementing RBAC?				
○ a.	Signature				
	Header				
	Payload				
○ d.	Token Expiry				

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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 cannot be read by JavaScript					
b. It's vulnerable to XSS attacks					
○ c. It increases backend load					
○ d. It expires too quickly					
Question 13					
Complete					
Mark 0.00 out of 1.00					
Given the following code, which statement is true?					
<pre>const MyComponent = React.memo(({ onClick }) =&gt; {   console.log("Rendered");</pre>					
return <button onclick="{onClick}">Click</button> ;					
});					
What must be true for React.memo to prevent re-renders when parent re-renders?					
a. onClick must be declared outside the parent component					
b. onClick must be memoized using useMemo					
c. React.memo always skips rendering regardless of prop types					
d. onClick must be stable across renders (e.g., memoized using useCallback)					
Question 14					
Complete  Mark 100 out of 100					
Mark 1.00 out of 1.00					
In which of the following scenarios is useMemo most beneficial?					
a. To optimize expensive computations based on stable inputs					
○ b. To store global constants across modules					
c. To memoize functions used as event handlers					
○ d. To prevent unnecessary re-renders of pure components					

Question 15 Complete					
Mark 1.00 out of 1.00					
Consider the following component:					
<pre>const List = React.memo(({ items }) =&gt; {   return items.map(item =&gt; <div key="{item.id}">{item.name}</div>); });</pre>					
If the parent re-renders but passes the same array reference for items, what happens?					
a. React.memo deep compares array values					
b. React.memo skips rendering only if keys are stable					
○ c. React.memo causes List to re-render					
d. React.memo skips rendering because the array reference is unchanged					
Question 16					
Complete					
Mark 1.00 out of 1.00					
Why might excessive use of useMemo lead to performance degradation rather than improvement?					
a. Creating memoized values and comparing dependencies has computational cost					
b. React re-renders the component regardless of useMemo					

- c. useMemo causes stale closures
- Od. useMemo increases memory usage permanently