	TITUTE D.D. A. C.	3.6	• · · · · · · · · · · · · · · · · · · ·	
11117_	.IW/I_RRA(`.	-useMemo:	Attempt review	

	<b>d on</b> Monday, 2 June 2025, 4:39 PM
	State Finished
	<b>d on</b> Monday, 2 June 2025, 4:48 PM
	aken 8 mins 52 secs
	larks 16.00/16.00
G	<b>rade 100.00</b> out of 100.00
Question 1	
Complete	
Mark 1.00 out of 1.00	
	revent JWT replay attacks in sensitive RBAC-based applications?
	nger expiration time
	nly the frontend to validate roles
	okens in localStorage
d. Implen	nent rotating refresh tokens
Question 2	
Complete	
Mark 1.00 out of 1.00	
a. Token  b. Role u	s updated from "editor" to "admin", but their JWT hasn't expired yet, what is a potential risk?  becomes invalid immediately  pdate may not reflect until re-login  ure gets mismatched
d. Token	
d. lokeli	size increases
Question 3	
Complete	
Mark 1.00 out of 1.00	
In a RBAC mode	el, which principle is crucial for minimizing access privileges?
a. Time-b	pased access
Ob. Role in	heritance
C. Token	obfuscation
d. Least p	
	· -y·

Quiz-JW7	-JWT-RBAC-useMemo: Attempt review			
	Question 4			

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. Middleware or backend route handlers
O b. Frontend only
C. Database triggers
○ d. JWT header
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. Encrypt the token
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 a secure refresh token mechanism
○ b. Use a cookie-stored access token
○ c. Store token in sessionStorage
○ d. Use the same JWT for 1 year
2 <b>7</b>
Question 7 Complete
Mark 1.00 out of 1.00
What is the primary purpose of the JWT signature?
a. Validates the integrity and authenticity of the token
○ b. Prevents cross-site scripting attacks
c. Encrypts the token data
d. Stores expiration timestamp
G at Stores expiration timestamp

	****	DD 4	$\sim$			
11117_	. 1 /// 1 :	$-RR\Delta$	`_11ce	Memo	Attemr	t review
Juiz-	J VV I	-10DA	C-usc	TVICIIIO.	Aucini	, i I C V I C VV

Question 8	
Complete	
Mark 1.00 out	of 1.00
What is th	ne problem with the following code if used in production? const token = jwt.sign({ userld: 1 }, '123', { expiresIn: '2h' });
a. T	he secret is weak and predictable
○ b. N	Nothing, it's secure
○ c. T	oken will never expire
O d. If	t uses numeric user ID
Question 9	
Complete	
Mark 1.00 out	of 1.00
What will	happen if the secret key used to sign a JWT is leaked?
	WTs will auto-expire
	Any user can generate valid tokens
	oken will become unreadable
( ) d. S	Signature verification will be stricter
Question 10	
Complete	
Mark 1.00 out	of 1.00
Which cla	im in a JWT helps enforce token expiration?
<ul><li>a. e</li></ul>	OXP.
○ b. s	
○ c. a	
O d. ia	
<u> </u>	
Question 11	
Question I I Complete	
Mark 1.00 out	of 1.00
mark 1.00 dat	
Which pa	rt of a IMT is typically used to store user relector implementing PRAC2
vvilicii pa	rt of a JWT is typically used to store user roles for implementing RBAC?
○ a. S	Signature
	oken Expiry
<ul><li>c. F</li></ul>	Payload
○ d. F	

	***	DD 4	$\sim$		A	
1117-	. I W/ I	- R R A	( '=1196	≥Mem∩.	Attemp	t review

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 expires too quickly c. It's vulnerable to XSS attacks d. It increases backend load			
Why is storing a JWT in localStorage considered risky in web applications?  a. It cannot be read by JavaScript b. It expires too quickly  c. It's vulnerable to XSS attacks			
Why is storing a JWT in localStorage considered risky in web applications?  a. It cannot be read by JavaScript  b. It expires too quickly  c. It's vulnerable to XSS attacks			
<ul> <li>a. It cannot be read by JavaScript</li> <li>b. It expires too quickly</li> <li>c. It's vulnerable to XSS attacks</li> </ul>			
<ul> <li>a. It cannot be read by JavaScript</li> <li>b. It expires too quickly</li> <li>c. It's vulnerable to XSS attacks</li> </ul>			
<ul><li>b. It expires too quickly</li><li>c. It's vulnerable to XSS attacks</li></ul>			
<ul><li>b. It expires too quickly</li><li>c. It's vulnerable to XSS attacks</li></ul>			
c. It's vulnerable to XSS attacks			
○ d. It increases backend load			
Question 13			
Complete			
Mark 1.00 out of 1.00			
Civan the following code, which statement is true?			
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> ;			
<b>})</b> ;			
What must be true for React.memo to prevent re-renders when parent re-renders?			
a. onClick must be stable across renders (e.g., memoized using useCallback)			
○ b. React.memo always skips rendering regardless of prop types			
c. onClick must be declared outside the parent component			
○ d. onClick must be memoized using useMemo			
Question 14			
Complete  Mark 100 aut 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 memoize functions used as event handlers			
oc. To store global constants across modules			

4 of 5 02-06-2025, 16:55

Question 1	5			
Complete				
Mark 1.00 ou	ut of 1.00			
Conside	r the following component:			
	<pre>ist = React.memo(({ items }) =&gt; { n items.map(item =&gt; <div key="{item.id}">{item.name}</div>);</pre>			
If the pa	arent re-renders but passes the same array reference for items, what happens?			
○ a.	React.memo deep compares array values			
O 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 1	6			
Complete				
Mark 1.00 ou	ut of 1.00			
Why mig	ght excessive use of useMemo lead to performance degradation rather than improvement?			
○ a.	React re-renders the component regardless of useMemo			
O b.	useMemo causes stale closures			
○ c.	useMemo increases memory usage permanently			
<ul><li>d.</li></ul>	Creating memoized values and comparing dependencies has computational cost			