Started on	Monday, 2 June 2025, 4:40 PM					
State	Finished					
Completed on	Monday, 2 June 2025, 4:47 PM					
Time taken	7 mins 2 secs					
Marks	14.00/16.00					
Grade	87.50 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. Use longer ex						
b. Use only the	frontend to validate roles					
c. Store tokens	in localStorage					
d. Implement ro	otating refresh tokens					
Question 2						
Complete						
Mark 1.00 out of 1.00						
a. Signature geb. Token becomc. Token size ind. Role update	nes invalid immediately					
Question 3						
Complete						
Mark 1.00 out of 1.00						
In a RBAC model, whi	ch principle is crucial for minimizing access privileges? Je					
○ b. Token obfusc						
c. Role inherita						
d. Time-based access						
- G. THIIC DUSCUE						

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. Frontend only						
○ 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 user email to the payload						
b. Add role: user.role to payload						
c. Use HS512 algorithm						
○ d. Encrypt the token						
Question 6						
Complete						
Complete Mark 1.00 out of 1.00						
Complete						
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Question 8					
Complete M. J. 100 J. J. 1400					
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' });					
○ a. It uses numeric user ID					
○ b. Token will never expire					
c. Nothing, it's secure					
d. The secret is weak and predictable					
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. Signature verification will be stricter					
b. Any user can generate valid tokens					
○ c. JWTs will auto-expire					
○ d. Token will become unreadable					
Question 10					
Complete					
Complete Mark 0.00 out of 1.00					
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Mark 0.00 out of 1.00 Which claim in a JWT helps enforce token expiration?					
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2/25, 4:47 PM	Quiz-JWT-RBAC-useMemo: Attempt review
Question 12	
Complete	
Mark 1.00 out of 1.00	
Why is storing a JWT in localStorage co	nsidered risky in web applications?
a. It's vulnerable to XSS attacks	
b. It expires too quickly	
c. It increases backend load	
 d. It cannot be read by JavaScrip 	i e e e e e e e e e e e e e e e e e e e
Question 13	
Complete	
Mark 1.00 out of 1.00	
<pre>const MyComponent = React.memo(({ o console.log("Rendered"); return <button onclick="{onClick}"> });</button></pre>	
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. onClick must be memoized us 	ing useMemo
c. React.memo always skips reno	ering regardless of prop types
d. onClick must be declared outs	ide the parent component
Question 14	
Complete	
Mark 1.00 out of 1.00	
In which of the following scenarios is u	seMemo most beneficial?
, and the second	
_	

- o a. To prevent unnecessary re-renders of pure components
- $\ \, \bigcirc \,$ b. To optimize expensive computations based on stable inputs
- oc. To store global constants across modules
- O d. To memoize functions used as event handlers

Question 15			
Complete			
Mark 1.00 out of 1.00			

Consider the following component:

```
const List = React.memo(({ items }) => {
  return items.map(item => <div key={item.id}>{item.name}</div>);
});
```

If the parent re-renders but passes the same array reference for items, what happens?

- a. React.memo skips rendering because the array reference is unchanged
- Ob. React.memo skips rendering only if keys are stable
- o. React.memo deep compares array values
- d. React.memo causes List to re-render

Question 16

Complete

Mark 1.00 out of 1.00

Why might excessive use of useMemo lead to performance degradation rather than improvement?

- a. useMemo causes stale closures
- b. Creating memoized values and comparing dependencies has computational cost
- oc. useMemo increases memory usage permanently
- Od. React re-renders the component regardless of useMemo