Started on	Monday, 2 June 2025, 4:39 PM				
State	Finished				
Completed on	Monday, 2 June 2025, 4:48 PM				
Time taken	8 mins 48 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	t JWT replay attacks in sensitive RBAC-based applications?				
a. Implement r	otating refresh tokens				
b. Use only the	frontend to validate roles				
d. Use longer e					
- a c.c. ioge. c					
Question 2					
Complete					
Mark 1.00 out of 1.00					
If a user's role is upda	ated from "editor" to "admin", but their JWT hasn't expired yet, what is a potential risk?				
a. Signature ge	ets mismatched				
b. Token size in	ncreases				
c. Role update	may not reflect until re-login				
od. Token becom	nes invalid immediately				
Question 3					
Complete					
Mark 0.00 out of 1.00					
In a RBAC model, wh	ich principle is crucial for minimizing access privileges?				
a. Least privileg	ge				
b. Time-based					
c. Token obfuse					
d. Role inherita	inice ————————————————————————————————————				

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
- o. Database triggers
- 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');

- a. Add role: user.role to payload
- ob. Encrypt the token
- c. Use HS512 algorithm
- od. Add user email to the payload

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
- oc. Use a secure refresh token mechanism
- od. 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?

- igcup a. Encrypts the token data
- b. Stores expiration timestamp
- c. Validates the integrity and authenticity of the token
- Od. Prevents cross-site scripting attacks

Complete	
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' });	
what is the problem with the following code in used in productions: const token – jwt.signit useria. 13, 123, t expiresin. 211 33,	
a. Nothing, it's secure	
○ b. Token will never expire	
c. The secret is weak and predictable	
O d. It 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?	
a. Token will become unreadable	
b. JWTs will auto-expire Construct a varification will be stricted.	
c. Signature verification will be stricter	
d. Any user can generate valid tokens	
Question 10	
Complete	
Mark 1.00 out of 1.00	
Which claim in a JWT helps enforce token expiration?	
Which claim in a JWT helps enforce token expiration?	
Which claim in a JWT helps enforce token expiration? • a. aud	
○ a. aud	
a. audb. exp	
a. audb. expc. iat	
 a. aud b. exp c. iat d. sub 	
 a. aud b. exp c. iat d. sub Question 11	
a. aud b. exp c. iat d. sub Question 11 Complete	
 a. aud b. exp c. iat d. sub Question 11	
 a. aud b. exp c. iat d. sub Question 11 Complete Mark 1.00 out of 1.00	
a. aud b. exp c. iat d. sub Question 11 Complete	
 a. aud b. exp c. iat d. sub Question 11 Complete Mark 1.00 out of 1.00 Which part of a JWT is typically used to store user roles for implementing RBAC?	
 a. aud b. exp c. iat d. sub Question 11 Complete Mark 1.00 out of 1.00 Which part of a JWT is typically used to store user roles for implementing RBAC? a. Payload 	
 a. aud b. exp c. iat d. sub Question 11 Complete Mark 1.00 out of 1.00 Which part of a JWT is typically used to store user roles for implementing RBAC? a. Payload b. Signature 	
 a. aud b. exp c. iat d. sub Question 11 Complete Mark 1.00 out of 1.00 Which part of a JWT is typically used to store user roles for implementing RBAC? a. Payload b. Signature c. Token Expiry 	
 a. aud b. exp c. iat d. sub Question 11 Complete Mark 1.00 out of 1.00 Which part of a JWT is typically used to store user roles for implementing RBAC? a. Payload b. Signature 	

2/25, 4:48 PM	Quiz-JWT-RBAC-useMemo: Attempt 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 expires too quickly	
 b. It cannot be read by JavaScript 	
c. It's vulnerable to XSS attacks	
O d. It increases backend load	
a 12	
Question 13 Complete	
Mark 0.00 out of 1.00	
<pre>Given the following code, which statement is true? const MyComponent = React.memo(({ onClick }) => { console.log("Rendered"); return <button onclick="{onClick}">Click</button>; }); What must be true for React.memo to prevent re-renders w</pre>	cickly I by JavaScript XSS attacks end load which statement is true? ctmemo(x(onclick)) => { "); k=(onclick)>click; act.memo to prevent re-renders when parent re-renders? memoized using useMemo ays skips rendering regardless of prop types stable across renders (e.g., memoized using useCallback) declared outside the parent component scenarios is useMemo most beneficial?
a. onClick must be memoized using useMemo	
O b. React.memo always skips rendering regardless of p	rop types
or. onClick must be stable across renders (e.g., memoiz	zed using useCallback)
d. onClick must be declared outside the parent compo	onent
Question 14 Complete	
Mark 1.00 out of 1.00	
In which of the fallowing good in its warm of the fallowing	
In which of the following scenarios is useMemo most benefi	.crai?
To optimize expensive computations based on stab	le inputs

- \bigcirc b. To prevent unnecessary re-renders of pure components
- oc. 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
- b. React.memo deep compares array values
- oc. React.memo skips rendering only if keys are stable
- 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. Creating memoized values and comparing dependencies has computational cost
- b. React re-renders the component regardless of useMemo
- oc. useMemo increases memory usage permanently
- d. useMemo causes stale closures