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Status	Finished
Started	Thursday, 14 November 2024, 11:07 AM
Completed	Thursday, 14 November 2024, 11:28 AM
Duration	20 mins 32 secs
Marks	20.00/20.00
Grade	**5.00** out of 5.00 (**100**%)

Question 1

Correct

Mark 1.00 out of 1.00

In a GraphQL query, what is the purpose of arguments?

- ☐ a. To specify the fields a client can write to
- ☑ b. To pass parameters that filter or refine the data returned by a query ✅
- ☐ c. To define which schema a query belongs to
- ☐ d. To control the number of requests allowed in a session

🔗

Your answer is correct.

The correct answer is:
To pass parameters that filter or refine the data returned by a query

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following statements is true about API keys?

- ☐ a. API keys allow clients to access all resources without restrictions
- ☐ b. API keys are inherently secure and do not need HTTPS
- ☐ c. They provide multi-factor authentication
- ☑ d. They are unique identifiers used to authenticate and authorize clients for API access ✅

Your answer is correct.

The correct answer is:
They are unique identifiers used to authenticate and authorize clients for API access

Question 3

Correct

Mark 1.00 out of
1.00

What is the primary advantage of gRPC over RESTful services in inter-process communication?

↑

- ☐ a. Better compatibility with HTTP/1.1

- ☑ b. Bidirectional communication ⊘

- ☐ c. Limited to synchronous communication only

- ☐ d. Simpler message formatting

Your answer is correct.

The correct answer is: Bidirectional communication

Question 4

Correct

Mark 1.00 out of
1.00

What is the primary purpose of JSX in React? Select the correct Statement/s

- ☑ a. To define the structure of the component's UI ⊘

- ☑ b. It combines the power of JavaScript with the declarative nature of HTML ⊘

- ☐ c. To manage state and lifecycle methods

- ☐ d. To define component classe

Your answer is correct.

The correct answers are: To define the structure of the component's UI

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It combines the power of JavaScript with the declarative nature of HTML

Question 5

Correct

Mark 1.00 out of
1.00

What is the primary difference between OAuth 2.0 and OpenID Connect (OIDC)?

- ☐ a. OAuth 2.0 provides both authentication and authorization, while OIDC only provides authorization.

- ☑ b. OAuth 2.0 provides authorization, but OIDC adds authentication on top of it. ⊘

- ☐ c. OAuth 2.0 uses JWTs, while OIDC uses API keys.

- ☐ d. OAuth 2.0 is used solely for mobile apps, while OIDC is for web apps.

Your answer is correct.

The correct answer is:
OAuth 2.0 provides authorization, but OIDC adds authentication on top of it.

Question 6

Correct

Mark 1.00 out of 1.00

What approach does gRPC follow for developing application interfaces?

- ☑ a. Contract First Approach ✓
- ☐ b. Test Driven Approach
- ☐ c. Data First Approach
- ☐ d. Implementation first Approach

Your answer is correct.

The correct answer is:
Contract First Approach

Question 7

Correct

Mark 1.00 out of 1.00

What would a typical GraphQL mutation return as part of its response?

- ☐ a. A timestamp of when the mutation was completed
- ☐ b. Only a success message
- ☑ c. The modified data and any specified fields in the mutation ✓
- ☐ d. A list of all objects in the database

Your answer is correct.

The correct answer is:
The modified data and any specified fields in the mutation

Question 8

Correct

Mark 1.00 out of 1.00

Why might an API provider choose to implement Basic Authentication despite its security limitations?

- ☐ a. It encrypts credentials without needing HTTPS
- ☑ b. It simplifies implementation and maintains compatibility with legacy systems ✓
- ☐ c. It offers multi-factor authentication
- ☐ d. It is the most secure authentication method available

Your answer is correct.

The correct answer is:
It simplifies implementation and maintains compatibility with legacy systems

Question 9

Correct

Mark 1.00 out of 1.00

What is the primary purpose of the signature in a JWT?

- ☐ a. To allow the client to modify the token without server verification
- ☑ b. To ensure the authenticity and integrity of the token data ✓
- ☐ c. To encode the header and payload for efficient transmission
- ☐ d. To store user data securely

Your answer is correct.

The correct answer is:
To ensure the authenticity and integrity of the token data

Question 10

Correct

Mark 1.00 out of 1.00

What is Babel?

- ☐ a. Linter
- ☐ b. Server
- ☐ c. Module Bundler
- ☑ d. Transpiler ✓

Your answer is correct.

The correct answer is:
Transpiler

Question 11

Correct

Mark 1.00 out of 1.00

How does GraphQL handle over-fetching of data?

- ☑ a. By allowing clients to define exactly what data they want in a query ✓
- ☐ b. By limiting requests per minute
- ☐ c. By providing pagination options for large datasets
- ☐ d. By caching responses to minimize redundant data transfer

Your answer is correct.

The correct answer is:
By allowing clients to define exactly what data they want in a query

Question 12

Correct

Mark 1.00 out of 1.00

Which type of claim in a JWT is used for custom, non-standard information that is agreed upon by specific parties?

- ☑ a. Private claims ⊘
- ☐ b. Registered claims
- ☐ c. Standard Claims
- ☐ d. Public Claims

Your answer is correct.

The correct answer is:
Private claims

Question 13

Correct

Mark 1.00 out of 1.00

Select the correct statement/s

- ☐ a. None of them
- ☑ b. One of the way to render multiple elements is to be wrap them inside a single root element ⊘
- ☑ c. Fragments let you group a list of children without adding extra nodes to the DOM ⊘
- ☐ d. In React, we can only render one element

Your answer is correct.

The correct answers are:

One of the way to render multiple elements is to be wrap them inside a single root element,

Fragments let you group a list of children without adding extra nodes to the DOM

Question 14

Correct

Mark 1.00 out of 1.00

What is the use of webpack?

- ☐ a. None of them
- ☑ b. A module Bundler ⊘
- ☑ c. Run a development server ⊗
- ☐ d. Transpiles all your code

Your answer is correct.

The correct answer is:
A module Bundler

Question 15

Correct

Mark 1.00 out of 1.00

In IndexedDB, what is the equivalent of a table in traditional relational databases?

- ☐ a. Database
- ☐ b. Collection
- ☐ c. Transaction
- ☑ d. Object Store ✓

Your answer is correct.

The correct answer is:
Object Store

Question 16

Correct

Mark 1.00 out of 1.00

Which of the following is an example of a Browser API?

- ☐ a. Google Maps API
- ☐ b. Twitter API
- ☑ c. Web Audio API ✓
- ☐ d. Open Weather API

Your answer is correct.

The correct answer is:
Web Audio API

Question 17

Correct

Mark 1.00 out of 1.00

Which of the following statements best describes OAuth 2.0?

- ☐ a. OAuth 2.0 is designed specifically for server-to-server interactions only
- ☐ b. OAuth 2.0 is used solely for sharing user credentials with third-party applications
- ☑ c. OAuth 2.0 is a framework that provides delegated authorization to access resources without sharing user ✓ credentials
- ☐ d. OAuth 2.0 is an authentication protocol used to verify user identity

Your answer is correct.

The correct answer is:
OAuth 2.0 is a framework that provides delegated authorization to access resources without sharing user credentials

Question 18

Correct

Mark 1.00 out of 1.00

Which of the following operations is NOT supported by GraphQL?

- ☐ a.   Subscription
- ☐ b.   Query
- ☑ c.   Endpoint ⊘
- ☐ d.   Mutation

Your answer is correct.

The correct answer is:
Endpoint

Question 19

Correct

Mark 1.00 out of 1.00

In GraphQL, what is a resolver?

- ☑ a.   A function that fetches or processes data for a specific field in a schema ⊘
- ☐ b.   A component of GraphQL that manages API authentication
- ☐ c.   A function that transforms REST API data into a GraphQL API
- ☐ d.   A function that defines the data structure of a GraphQL schema

Your answer is correct.

The correct answer is:
A function that fetches or processes data for a specific field in a schema

Question 20

Correct

Mark 1.00 out of 1.00

What is the main advantage of using GraphQL over REST APIs?

- ☑ a.   GraphQL allows clients to request only the data they need ⊘
- ☐ b.   GraphQL eliminates the need for client-server communication
- ☐ c.   GraphQL replaces the need for databases
- ☐ d.   GraphQL is easier to implement than REST

Your answer is correct.

The correct answer is:
GraphQL allows clients to request only the data they need