



Status	Finished
Started	Sunday, 15 September 2024, 6:00 PM
Completed	Sunday, 15 September 2024, 6:14 PM
Duration	14 mins 11 secs
Marks	20.00/20.00
Grade	5.00 out of 5.00 (100%)

Question 1

Complete

Mark 1.00 out of 1.00

Which of these is a characteristic of a monolithic architecture?

☐ a. Rapid scalability

☒ b. Longer development cycles due to tight coupling

☐ c. Ease of adopting new technologies

☐ d. Independent deployment of components



Question 2

Complete

Mark 1.00 out of 1.00

What is the difference between a monolithic and microservices architecture?

☐ a. Monolithic architecture is a group of small complex services, while microservices are small, autonomous services.

☐ b. Monolithic architecture is a single, small, simple service, while microservices are large, complex services.

☒ c. Monolithic architecture is a single, large, complex service, while microservices are small, autonomous services

☐ d. Monolithic architecture is a group of small, simple services, while microservices are large, complex services.

Question 3

Complete

Mark 1.00 out of 1.00

What is the primary focus of serverless architecture?

☐ a. Building and maintaining server clusters

☐ b. Handling software and security updates

☒ c. Writing and deploying application code without managing infrastructure

☐ d. Managing server hardware

Question 4

Complete

Mark 1.00 out of 1.00

What is the primary purpose of a CDN?

- ☒ a. To improve the performance and reliability of delivering web content
- ☐ b. To manage domain registration
- ☐ c. To secure website connections
- ☐ d. To facilitate communication between different software applications



Question 5

Complete

Mark 1.00 out of 1.00

A_____ is an HTTP-based callback function that allows communication between two APIs.

- ☒ a. Webhooks
- ☐ b. Message Queues
- ☐ c. Websockets
- ☐ d. HTTP Polling

Question 6

Complete

Mark 1.00 out of 1.00

Which type of API provides full-duplex communication channels over a single, long-lived connection?

- ☐ a. GraphQL
- ☐ b. REST
- ☐ c. Webhooks
- ☒ d. Websockets

Question 7

Complete

Mark 1.00 out of 1.00

What type of tasks is serverless architecture best suited for?

- ☐ a. Predictable, high-traffic workloads
- ☐ b. Continuous, long-running processes
- ☒ c. Short-lived tasks and unpredictable workloads
- ☐ d. Tasks requiring manual server management

Question 8

Complete

Mark 1.00 out of 1.00

Which of the following is NOT a benefit of serverless architecture?

- ☐ a. Cost Efficiency
- ☐ b. Increased Productivity
- ☒ c. Loss of Control
- ☐ d. Scalability

Question 9

Complete

Mark 1.00 out of 1.00

What is the primary purpose of using the Model-View-Controller (MVC) design pattern in web applications?

- ☐ a. To ensure that all server-side code is written in one language
- ☐ b. To provide direct communication between the user interface and the server
- ☒ c. To separate data management, presentation, and user input handling for easier maintenance and scalability
- ☐ d. To combine the presentation and data management layers for simplicity

Question 10

Complete

Mark 1.00 out of 1.00

Which of the following HTTP Status codes means CREATED when a resource is successfully created using a POST request?

- ☐ a. 200
- ☒ b. 201
- ☐ c. 210
- ☐ d. 202

Question 11

Complete

Mark 1.00 out of 1.00

Which type of API allows clients to request specific data they need, minimizing over-fetching or under-fetching of information?

- ☐ a. All of these
- ☒ b. GraphQL
- ☐ c. REST
- ☐ d. gRPC

Question 12

Complete

Mark 1.00 out of 1.00

Which component is responsible for the first step in a DNS lookup process?

- ☐ a. TLD nameserver
- ☐ b. Authoritative DNS server
- ☒ c. Root nameserver
- ☐ d. Web Server

Question 13

Complete

Mark 1.00 out of 1.00

The first line of HTTP request message is called _____

- ☒ a. request line
- ☐ b. entity line
- ☐ c. header line
- ☐ d. status line

Question 14

Complete

Mark 1.00 out of 1.00

Which HTTP header helps in optimizing data transfer by specifying the compression methods supported by the user-agent?

- ☒ a. Accept-Encoding
- ☐ b. Content-Encoding
- ☐ c. Accept-Language
- ☐ d. Accept-Charset

Question 15

Complete

Mark 1.00 out of 1.00

Which of the following technologies is commonly used to develop web apps?

- ☐ a. Swift, Objective-C, C++
- ☒ b. HTML5, CSS, JavaScript
- ☐ c. Ionic, Objective C, Swift
- ☐ d. Java, Kotlin, Python

Question 16

Complete

Mark 1.00 out of 1.00

What is the purpose of the "Accept" header in an HTTP request?

- ☐ a. To provide additional information about the client sending the request
- ☒ b. To inform the server about the types of media resources the client is willing to accept
- ☐ c. To specify the character encodings supported by the client
- ☐ d. To indicate the language preferences of the client

Question 17

Complete

Mark 1.00 out of 1.00

What does the HTTP Status Code 401 indicate?

- ☐ a. Not Found
- ☐ b. Bad Request
- ☒ c. Unauthorized
- ☐ d. Forbidden

Question 18

Complete

Mark 1.00 out of 1.00

Which type of mobile app is a combination of web technologies and native APIs?

- ☐ a. Progressive web apps
- ☐ b. Native apps
- ☒ c. Hybrid apps
- ☐ d. web apps

Question 19

Complete

Mark 1.00 out of
1.00

Your browser currently is on the URL `http://books.xyz.edu/cse/c.html`. Select the resulting URLs when the user clicks on the following hyperlink: `c`

- ☐ a. `http://books.xyz.edu/cse/#c`
- ☒ b. `http://books.xyz.edu/cse/c.html#c`
- ☐ c. `http://books.xyz.edu/cse/c`
- ☐ d. `http://books.xyz.edu/c`

Question 20

Complete

Mark 1.00 out of
1.00

In a REST service, Resources are identified by _____

- ☒ a. Uniform Resource Identifier
- ☐ b. Unique Resource Identifier
- ☐ c. Uniform Description Language
- ☐ d. Domain Name

Contact for support
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