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Module 2 Graded Quiz

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Graded Quiz due Dec 13, 2023 10:09 IST Completed

Question 1

1/1 point (graded)

What best describes the network operations that Node.js makes?

- ☐ Applications block every network operation to complete at the same time on the server.
- ☐ Blocked operations return immediately without added processing time on the server.
- ☒ Non-blocked operations return immediately without added processing time on the server.
- ☐ Non-blocked operations return in a synchronized manner with added processing time on the server.



Answer

Correct:

Node.js makes all network operations in a non-blocking manner, and every network operation returns immediately.

Submit

You have used 2 of 2 attempts

Question 2

1/1 point (graded)

Before the Node.js framework receives the HTTP response message from the remote web server, it immediately returns a result for the `http.request` function call. What does this result state?

- ☐ The return message will be sent successfully.
- ☐ The response message will be sent successfully.
- ☐ The callback function was called successfully.
- ☒ A request is in progress.



Answer

Correct: This result indicates that the request message was sent successfully.

Submit

You have used 1 of 2 attempts

Question 3

1/1 point (graded)

What parameter is optional in an HTTP request?

- ☐ Location function parameter
- ☐ Event variable parameter
- ☐ Resource variable parameter

Callback function parameter

**Answer**

Correct:

The callback function parameter is optional; you can send an HTTP request and disregard the response message.

Submit

You have used 1 of 2 attempts

Question 4

1/1 point (graded)

What object do Node.js modules in the SDK pass as the first parameter in a callback function?

☐ Location

☐ Identity

☒ Error

☐ Destination

**Answer**

Correct: Node.js modules pass an error object as the first parameter in a callback function.

Submit

You have used 2 of 2 attempts

Question 5

1/1 point (graded)

What do you pass back in the callback handler to indicate a successful return?

☐ 404 status code

☒ Null object

☐ Empty string

☐ Error

**Answer**

Correct: Null indicates everything worked.

Submit

You have used 1 of 2 attempts

Question 6

1/1 point (graded)

Which function calls the resultCallback callback function to return results to the main application?

☐ result()

☒ http request()

☒ http.request()☐ step()☐ aggregate_context()**Answer**

Correct:

The http.request()callback function calls resultCallback to return the result to the main application.

Submit

You have used 1 of 2 attempts

Question 7

1/1 point (graded)

Why can inversion of control be an issue when using callbacks?

☐ Inversion of control is used when something needs to be done sequentially, which makes code readability difficult.☒ Callbacks sometimes hand over control to third-party code, which can make errors hard to identify.☐ Inversion of control creates the need for nested callbacks.☐ Inversion of control uses promises, which are difficult to implement.**Answer**

Correct:

Inversion of control refers to a callback handing over control of the application to third-party code, making errors hard to identify.

Submit

You have used 1 of 2 attempts

Question 8

1/1 point (graded)

JSON is the standard format for API data exchange. What relationship does JSON have with Node.js?

☐ JSON_SET☐ Common data model folder☒ Standard representation of native JavaScript objects☐ Metadata file**Answer**

Correct:

JSON is a standard representation of native JavaScript objects, and Node.js handles it easily.

Submit

You have used 1 of 2 attempts

Question 9

1/1 point (graded)

When an error occurs, which state is the promise at?

☐ Pending

☐ Aborted

☒ Rejected

☐ Resolved



Answer

Correct: When there is an error, the promise is in the rejected state.

Submit

You have used 1 of 2 attempts

Question 10

1/1 point (graded)

The axios package handles HTTP requests in Node.js and returns a promise object. The promise object has a method that is called after the promise completes. What method does the promise object use?

☐ else

☐ if

☒ then

☐ or



Answer

Correct: The promise has a "then" method, which is called after the promise is resolved.

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