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Final Exam (Graded)

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Final Exam pour le Mar 4, 2022 10:58 CET

Question 1

1/1 point (noté)

What do you use the http.createServer function for?

- To develop an anonymous function to handle requests and responses
- To create an instance of a web server
- To specify a main script for your module
- To import a Node.js module

**Réponse**

Correct: You use the http.createServer function to create an instance of a web server application.

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Correct (1/1 point)

Question 2

1/1 point (noté)

What is the correspondence between a Node.js module and a script file?

- None
- 1:1
- 2:1
- 4:1

**Réponse**

Correct: Every JavaScript file is a module in Node.js, and a module corresponds to a script file.

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Correct (1/1 point)

Question 3

1/1 point (noté)

What do you use the require function for?

To develop an anonymous function to handle requests and responses

To import a Node.js module

To specify a main script for your module

To create an instance of a web server



Réponse

Correct: You can use the require function to import a Node.js module.

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Correct (1/1 point)

Question 4

1/1 point (noté)

What does adding a property to the implicit exports object do?

A function returns details about your module.

A function returns an object that represents an instance of your module.

An anonymous function is blocked on the Node.js server.

A function becomes available to Node.js applications that import your module.



Réponse

Correct:

To make a function or a value available to Node.js applications that import your module, you add a property to exports.

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Correct (1/1 point)

Question 5

1/1 point (noté)

What happens when a module does not have a package.json file?

The relative path to the Node.js script changes to an absolute path from the module directory.

The require statement assumes that scripts have a file extension of js.

Node.js assumes that the main class is named index.js.

There is no module manifest.



Réponse

Correct: If a module does not have a package.json file, Node.js assumes that the main class is named index.js.

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Correct (1/1 point)

Question 6

1/1 point (noté)

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

404 status code

Null object

Empty string

Error



Réponse

Correct: Null indicates everything worked.

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Correct (1/1 point)

Question 7

1/1 point (noté)

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

result()

http.request()

step()

aggregate_context()



Réponse

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

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Correct (1/1 point)

Question 8

1/1 point (noté)

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



Réponse

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

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✓ Correct (1/1 point)

Question 9

1/1 point (noté)

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

 Pending Aborted Rejected Resolved**Réponse**

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

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✓ Correct (1/1 point)

Question 10

1/1 point (noté)

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**Réponse**

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

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✓ Correct (1/1 point)

Question 11

1/1 point (noté)

The Node.js framework treats HTTP requests at a lower network level. In contrast, Express implements an app class for what purpose?

 Look up web services Access a URL Map to a web resource path

Parse through a network path

**Réponse**

Correct: Express implements an app class that you map to a web resource path.

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Correct (1/1 point)

Question 12

1/1 point (noté)

Which function relies on custom callback functions to parse across web resource path?

http.IncomingMessage

ReadableStream

http.createServer

createServer()

**Réponse**

Correct:

The http.createServer function relies on a custom callback function to parse through the web resource path.

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Correct (1/1 point)

Question 13

1/1 point (noté)

After creating the new route handler to handle web application requests, what occurs next?

Access a variable in the path

Pass the parameter location

Listen to incoming HTTP GET requests

Store values in a location variable

**Réponse**

Correct: After you create a route handler, you listen to incoming HTTP GET requests.

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Correct (1/1 point)

Question 14

1/1 point (noté)

What do you call to create a web server object to listen for incoming requests on a port?

http.view

app.request app.listen http.name**Réponse**

Correct:

You call app.listen to create a web server object that listens to incoming requests on the specified port.

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Correct (1/1 point)

Question 15

1/1 point (noté)

After you've imported a copy of the Express web application framework, what must you do next?

 Write code Configure a route handler Create an instance of the app JavaScript object Reconfigure Node.js**Réponse**

Correct: You create an instance of the app JavaScript object from the framework.

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Correct (1/1 point)

Question 16

1/1 point (noté)

Functional components are most useful when the component has properties, but what is the restriction?

 Properties can't be passed as parameters to the function. Properties can't be user defined. The component lifecycle does not require management. Properties can't have uppercase characters.**Réponse**

Correct:

Functional components are most useful when the component has properties but the lifecycle of the component does not have to be managed.

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Correct (1/1 point)

Question 17

1/1 point (noté)

What makes class components more preferable than functional components?

Rigidity

Simplicity

Versatility

Definition



Réponse

Correct: Class components are preferred more than functional components because of their versatility.

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Correct (1/1 point)

Question 18

1/1 point (noté)

In the Working with React Components video, what does the incrementCounter method do in the React app?

Stops the application

Routes a command through a component

Updates a state so a component is rendered again

Passes a value to the GUI



Réponse

Correct: When the counter increments, the state changes.

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Correct (1/1 point)

Question 19

1/1 point (noté)

As components are mounted there are four methods called, all in the same order. Which method only returns one root element, even if it has or doesn't have many nested child elements?

constructor()

componentDidMount()

render()

getDerivedStateFromProps()



Réponse

Correct:

The render() method can return only one root element, which may or may not have many nested child elements.

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Question 20

1/1 point (noté)

As components are updated, five methods are called in the same order. Which method is called every time a change in state occurs?

 getDerivedStateFromProps() getSnapshotBeforeUpdate() shouldComponentUpdate() render()**Réponse**

Correct: Every time there is a change in state, this method is called to check if the component should update.

Soumettre

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