Final Module D

Due Dec 15 at 11:59pm   **Points** 20   **Questions** 20
Time Limit 40 Minutes

Instructions

The final exam is comprehensive, though the second portion of the course is emphasized. In addition to questions on the readings, there may be questions regarding the Bookstore project. You only have 40 minutes to complete 20 questions, therefore you may want to create a page of written notes for yourself to avoid having to look a lot of things up.

Major topics (about 10 questions total in 4 modules):

- HTML & CSS (including Flexbox)
- Internetworking, HTTP, and webapp architecture
- Javascript (including code, promises, and arrow functions)
- DAO (including find & create methods, and model classes)

Significant topics (about 5 questions total in 4 modules):

- Ajax, DOM, and Fetch
- Vuex and storage
- Vue components
- Databases and SQL
- Bookstore admin (including file layout, IntelliJ, and deployment)
- Vue directives
- Vulidate and validation
- SSL/TLS and cryptography
- SubmitOrder overview
- REST API (including naming, and Jersey & Jackson)

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	19 minutes	17 out of 20

Score for this quiz: **17** out of 20

Submitted Dec 5 at 5:43pm

This attempt took 19 minutes.
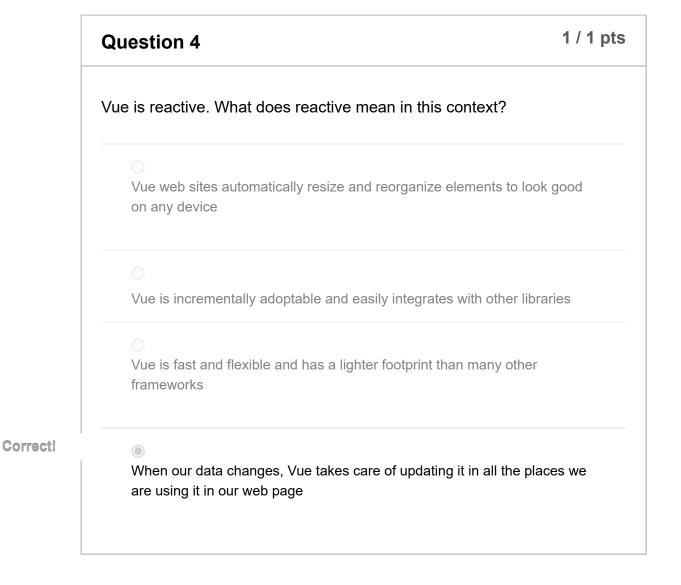

Question 1   1 / 1 pts

What should be put in a Vue component's style section to ensure that all the <router-link> text is white?

⚪ #router-link { color: white }

⚪ .router-link { color: white }

Correct!   🔘 a { color: white }

⚪ router-link { color: white }

Question 2   1 / 1 pts

In the Bookstore project, what did we put into the browser's local storage?

⚪ categories

Correct!   🔘 shopping cart

⚪ book images

⚪ form data

Question 3   1 / 1 pts

The original phone system used this technology to establish a dedicated communications channel between two parties

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○ packet switching

Correct!   ◉ circuit switching

○ transmission control protocol (TCP)

○ voice over IP

Question 4   1 / 1 pts

Vue is reactive. What does reactive mean in this context?

○

Vue web sites automatically resize and reorganize elements to look good on any device

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○

Vue is incrementally adoptable and easily integrates with other libraries

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○

Vue is fast and flexible and has a lighter footprint than many other frameworks

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Correct!   ◉

When our data changes, Vue takes care of updating it in all the places we are using it in our web page

Question 5   0 / 1 pts

Suppose you have the following Vue instance in your code:

```
var app = new Vue({
  el: '#app',
  data: { message: 'Hello World!' }
})
```

How do you render the message ("Hello World!") in HTML?

○
```
<div id="app">
  ${message}
</div>
```

orrect Answer

○
```
<div id="app">
  {{ message }}
</div>
```

ou Answered

◉
```
<div id="app">
  <p v-text="message"></p>
</div>
```

○
```
<div id="app">
  message
</div>
```

Question 6   1 / 1 pts

What is the default port for MySQL server?

○ 80

○ 8080

Correct!

  ◉ 3306

  ○ 8081

Question 7   1 / 1 pts

When you see a CSS selector with a dot in front of it (such as .foo), what does it mean?

Correct!

  ◉

  The selector is a class selector. The style can be used as many times as needed in a web page. It is referenced with class="foo".

  ○

  The selector is an id selector. The style can be used as many times as needed in a web page. It is referenced with id="foo".

  ○

  The selector is an id selector. The style can only be used in one place in a web page. It will be referenced with id="foo".

  ○

  The selector is an element selector. <foo> is an HTML element, and the style will be applied to all such elements

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Question 8   1 / 1 pts

How do you deploy a Vue app using the Vue-CLI?

Correct!

  ◉ npm run build

○ npm run inspect

○ npm run dist

○ npm run serve

Question 9   1 / 1 pts

If you want to change a name in your category database from IntelliJ, double click the "category" table in the database view, then double click the name you want to change, then enter the new name. Then what?

○ Hit enter or tab - the name will be updated in your database when the cell looses focus

○ Nothing - the name will be updated in your database as you type it

○ Save the window - the name will be updated in your database

Correct!

● Click the submit icon - the name will be updated in your database

Question 10   0 / 1 pts

During a transaction in the Bookstore project, assume that a customer DAO's create method successfully completes, effectively reserving a row in the customer table. However, before the transaction is committed, and error occurs and the data is not entered. What happens to the primary key that the database generated for the reserved row?

○

The key is replaced (the data is temporarily stored in a rollback table with a key of 0)

○ Nothing, keys are not generated until the transaction is committed

ou Answered

◉ The key is reused (if the key were 3, the next generated key will also be 3)

orrect Answer

○

The key is discarded (if the key were 3, the next generated key will be 4)

Question 11   1 / 1 pts

What does the following JavaScript code do?

```
document.getElementById("demo").style.display = "block";
```

○

Changes the display property of the CSS class selector .demo to 'block'

○ Changes the display attribute of the demo element to 'block'

Correct!

◉ Changes the display property of the CSS id selector #demo to 'block'

○ Changes the contents (text) of the demo element to 'block'

Question 12   1 / 1 pts

What is the correct way to write a JavaScript array?

Correct!

- ○ colors = ["red", "green", "blue"]

- ○ colors = new String[]{ "red", "green", "blue" }

- ○ colors = { "red", "green", "blue" }

- ○ colors[] = { "red", "green", "blue" }

Question 13

1 / 1 pts

The domain object model (DOM) allows JavaScript to do all of the following except...

- ○ hide and show elements in a page

Correct!

- ● change the status code of an HTTP response

- ○ change HTML attributes in a page

- ○ change the text of HTML elements in a page

Question 14

0 / 1 pts

What does an HTTP response status code in the 400's (ex: 400, 401, 402, etc.) indicate?

rrect **Answer**

- ○ client error response

- ○ successful response

ou **Answered**

- ● server error response

○ information response

Question 15   1 / 1 pts

Which of the following is NOT one of the design principles discussed in
"The Non-Designer's Design Book"?

○ Alignment

○ Contrast

Correct!   ◉ Cohesion

○ Proximity

Question 16   1 / 1 pts

Which of the following is NOT a validator that is built-in to Vuelidate?

○ required

○ email

○ maxLength

Correct!   ◉ phone

Question 17   1 / 1 pts

In a DAO find method implementation (using JDBC), a PreparedStatement object creates a statement using an SQL query string. What does it mean when the SQL query string contains a question mark?

○ The question mark is part of a conditional in the SQL query that must be resolved by the statement object

○ The question mark is part of a conditional in the SQL query that must be resolved by the database

Correct!

◉ The question mark is a parameter whose value needs to be set at runtime by the statement object

○ The question mark is an variable whose value makes the query true and gets stored in the result set

Question 18   1 / 1 pts

Which of the following is NOT true about Vuex mutations

○ they allow time-travel debugging

○ they are called using commit

Correct!

◉ they are asynchronous

○ they are used to change Vuex state

Question 19

1 / 1 pts

In the Bookstore project, this REST API method both consumes and produces a JSON resource

Correct!

○ categories

● placeOrder

○ categoryByName

○ booksByCategoryId

Question 20

1 / 1 pts

Consider the following JavaScript code.

```
var x = "Hello";
x = 5
```

What is x after the code runs?

Correct!

● the number 5

○ Hello

○ null

○ the string 5

Quiz Score: **17** out of 20