Final Module C

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

Questions 20

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	27 minutes	19 out of 20

Score for this quiz: 19 out of 20

Submitted Dec 5 at 5:23pm

This attempt took 27 minutes.

	Question 1	1 / 1 pts
	A primary key must have a unique value	
Correct!	True	
	○ False	
	Question 2	1 / 1 pts
	Current JavaScript (ES6) does not have classes.	
	○ True	
Correct!	False	
	Question 3	1 / 1 pts
	What type of object does a fetch call return?	
Correct!	Promise	
	O URL	
	Response	

JSON

	Question 4	1 / 1 pts
	Peer-to-peer networking is characterized by a lack of	
	clients	
	requests	
Correct!	centralized control	
	orouters	

Question 5 If the signature of a create method (in a DAO interface) takes a Connection object, it technically violates encapsulation because it reveals details about how the method is implemented Dirrect Answer True Pu Answered False

Question 6 1 / 1 pts In the Bookstore project, which tables in the database are updated in a

successful transaction?

Correct!

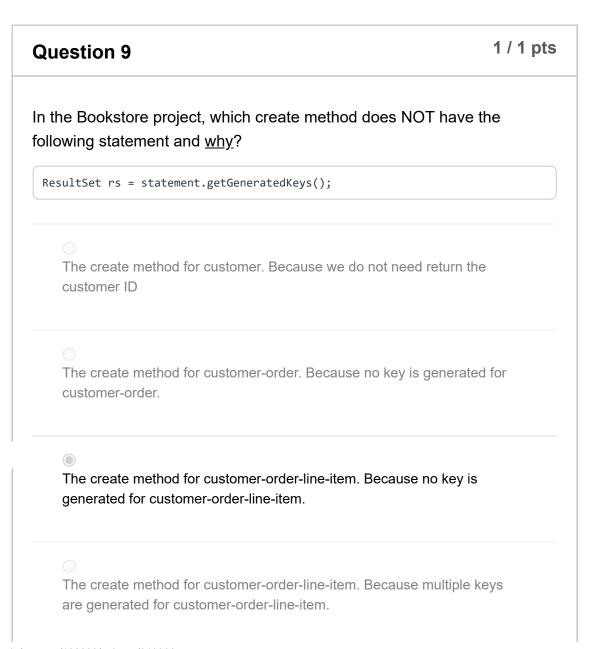
	customer and customer-order
	customer-order and customer-order-line-item
	Customer-order
Correct!	customer, customer-order, and customer-order-line-item

1 / 1 pts **Question 7** When converting from JSON to Java, what does the annotation @JsonIgnoreProperties in the Java model class do? No such option exists - when converting from JSON to Java, the properties in the model class must always be the same as the properties on the JSON object Allows us to ignore properties in the JSON object that are not defined in the model class AND allows us to ignore properties in the model object that are not defined in the JSON object Allows us to ignore properties in the JSON object that are not defined in the model class Allows us to ignore properties in the model object that are not defined in the JSON object

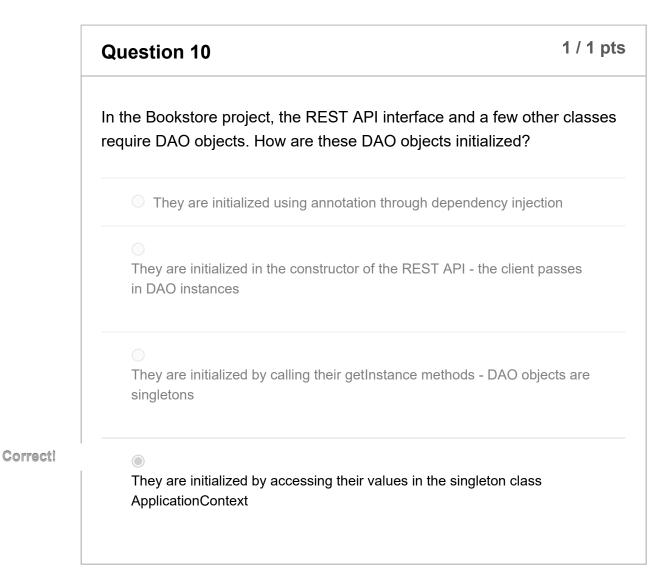
Question 8 1 / 1 pts

C

	Which of the following is NOT one of the methods that can be used when calling a REST API?
	OPOST
orrect!	© CREATE
	O PUT
	GET



Correct!



Correct!

 \bigcirc both x == y and x === y are false

```
1 / 1 pts
Question 12
Consider the following JavaScript code:
 elements.filter(element => element.length > 10);
What is this equivalent to?
         elements.filter(element) {
          return element.length > 10;
         };
         elements.filter() {
           return elements.length > 10;
         elements.filter(function(element) {
           return element.length > 10;
    });
         elements.filter(element) {
           return function(element) {
             element.length > 10;
        };
```

Question 13 1 / 1 pts

Which of the following is a Vuex action?

Correct!

```
ADD_TO_CART(state, book) {
      state.cart.addItem(book, 1);
    addItem(book, quantity = 1) {
      let existingItem = this._items.find(
        item => item.book.bookId == book.bookId
      if (!existingItem) {
        let newItem = new ShoppingCartItem(book);
        newItem.quantity = quantity;
        this._items.push(newItem);
      } else {
        existingItem.quantity++;
    addToCart(context, book) {
      context.commit("ADD_TO_CART", book);
addToCart(book) {
      this.$store.dispatch("addToCart", book);
```


	Question 15 1 / 1 pts	
	In the Bookstore project, where is the code that performs server-side validation of the fields on the checkout page?	
	CustomerForm.java	
Correct!	DefaultOrderService.java	
	OrderForm.java	
	Checkout.vue	

	Question 16	/ 1 pts
	In the implementation of a DAO's find method, which of the followir NOT one of the resources you might find in a try-with-resources statement?	ng is
	PreparedStatement	
Correct!	BufferedReader	
	ResultSet	
	Connection	

Question 17 1 / 1 pts

What HTTP method is assumed if a fetch request contains only a URL?

Question 19

A RESTful API should be stateless

True

False

Question 20 1 / 1 pts

Correct!	What element is used for input fields inside of a <form> element?</form>
	<pre><record></record></pre>
	<input/>
	○ <text></text>
	○ <field></field>

Quiz Score: 19 out of 20