Midterm Module C

Due Oct 20 at 11:59pm   **Points** 20   **Questions** 20
Time Limit 30 Minutes

Instructions

There are 20 questions in this module and you have 30 minutes to complete the quiz.

In all 3 modules put together (A, B, and C), the question distribution is *roughly* as follows

- HTML/CSS/Flex (~15%)
- Networking/HTTP (~10%)
- Project structure (Client/Server/Setup/etc) (~10%)
- Database/DAO (~15%)
- Vue-related (~35%)
- REST/fetch/router/terms (~15%)

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	27 minutes	20 out of 20

Score for this quiz: **20** out of 20
Submitted Oct 16 at 6:22pm
This attempt took 27 minutes.

Question 1	**1 / 1 pts**

You can use a CSS ID selector in multiple web pages, as long as the ID is unique within each page.

Correct!

- ◉ True

- ○ False

Question 2   1 / 1 pts

HTML links are defined with the <a> tag. The link's destination is specified in the _____ attribute.

○ src

○ link

○ text

Correct!   ◉ href

Question 3   1 / 1 pts

This high-level design pattern has become common in almost all web applications.

Correct!   ◉ model-view-controller

○ singleton

○ composite

○ client-server

Question 4   1 / 1 pts

Suppose your relational database has two tables: "department" and "employee". Assume that their relationship is one-to-many (one department can have many employees, but one employee cannot belong to more than one department). Which of the following would you expect to see in your database tables?

○ The "department" table has a foreign key that references the primary key in the "employee" table

○ Neither table has a foreign key that references a primary key in the other table

Correct!

◉ The "employee" table has a foreign key that references the primary key in the "department" table

○ Both tables have a foreign key that references a primary key in the other table

Question 5   1 / 1 pts

In an HTML table, each table row is defined with the _____ tag.

○ <row>

○ <tablerow>

Correct!

◉ <tr>

○ <th>

Question 6   1 / 1 pts

The HTML _____ attribute specifies an alternative text to be used, when an image cannot be displayed.

○ src

○ text

○ img

Correct!   ◉ alt

Question 7   1 / 1 pts

What is the effect of using the CSS element selector:

```
p { color: red; text-align: center; }
```

Correct!   ◉ the style will apply to all <p> elements

○ the style will never apply; this is not a valid CSS element

○ the style will apply to the first <p> element

○ the style will apply to all elements with attributes id="p"

Question 8   1 / 1 pts

What kind of CSS selector should you use if you want your style to apply to more than one element?

Correct!

     ○ id

     ○ element

     ◉ class

     ○ group

Question 9   1 / 1 pts

What CSS property does every flexbox container have?

Correct!

     ◉ display: flex

     ○ flex: basis

     ○ flex-direction: row

     ○ align-items: flex

Question 10   1 / 1 pts

A network socket is an endpoint of a connection across a computer network.

Correct!

     ◉ True

     ○ False

Question 11

1 / 1 pts

The acronym that describes the basic database commands is

○ GREP

○ RWX

Correct!

◉ CRUD

○ ACID

Question 12

1 / 1 pts

In the dependencies section of the build.gradle file, "providedCompile" libraries are included in the WAR file and "compile" libraries are not

○ True

Correct!

◉ False

Question 13

1 / 1 pts

In the server portion of your bookstore application, how does Tomcat know where to find the database?

Correct!

◉ It's in the context.xml file

○ It's in the run configuration

○ It's in the build.gradle file

○ It's in the database view configuration

Question 14   1 / 1 pts

A Vue component is made up of 3 main sections related to 3 front-end web development technologies/languages. Which of the following is NOT one of them?

○ JavaScript

○ CSS

○ HTML

Correct!   ◉ SQL

Question 15   1 / 1 pts

How would one define a prop for a Vue component that requires a "product" object that has been fetched from a JSON REST API?

○ props: { product }

Correct!   ◉ props: { product: { type: Object, required: true } }

○ props: { product: Product, required: boolean }

○ args: { product: { type: object, required: true } }

Question 16   1 / 1 pts

What is another way of writing <span v-bind:title="message"/>?

Correct!

   ◉ <span :title="message"/>

   ○ <span @title="message"/>

   ○ <span title=${message}/>

   ○ <span title={{message}}/>

Question 17   1 / 1 pts

Suppose you want to print "In Stock" is a particular item is in stock and "Out of Stock" otherwise. Assuming you have an inStock boolean value in your Vue data, which of the following HTML code portions would accomplish that?

   ○ <p :v-if="inStock">In Stock</p>
       <p :v-otherwise>Out of Stock</p>

   ○ <p v-if="inStock">
       In Stock
       <:v-else>
       Out of Stock
       </p>

   ○ <p>{{if inStock}} In Stock {{else}} Out of Stock</p>

Correct!

   ◉ <p v-if="inStock">In Stock></p>
       <p v-else>Out of Stock</p>

Question 18   1 / 1 pts

Responsive design is about using HTML and CSS to automatically resize a website to display on different devices.

Correct!

○ ● True

○ False

Question 19   1 / 1 pts

JavaScript routers (like the Vue router) are typically used in single-page applications (SPA)

Correct!

● True

○ False

Question 20   1 / 1 pts

Which of the following are 2 of the 6 constraints a REST API must conform to?

○ Layered architecture and Multi-threaded

○ Database architecture and Open Source

○ MVC architecture and Immutability

Correct!

● Client-Server architecture and Statelessness

Quiz Score: **20** out of 20