Final Course Quiz (Graded)

Due No due date   **Points** 30   **Questions** 30   **Time limit** 60 Minutes
Allowed attempts Unlimited

Instructions

This is the final quiz of the course, and it covers HTML, CSS, and JavaScript.

You are expected to get a grade of 100% (30 points out of 30 points). You may take the quiz as many times as you need to to get that score.

The quiz is timed so that you must complete it within 60 minutes of starting the quiz, and the clock will run until you complete the quiz or time runs out.

<div style="text-align:center;border:1px solid;padding:1em;">

Take the quiz again

</div>

Attempt history

	Attempt	Time	Score
KEPT	**Attempt 4**	14 minutes	28.55 out of 30
LATEST	**Attempt 4**	14 minutes	28.55 out of 30
	Attempt 3	615 minutes	1.2 out of 30
	Attempt 2	39 minutes	27.42 out of 30
	Attempt 1	60 minutes	5.5 out of 30

⚠ Correct answers are hidden.

Score for this attempt: **28.55** out of 30
Submitted 26 Jul at 7:17
This attempt took 14 minutes.

Question 1	1 / 1 pts

What is a **sitemap** diagram?

☐

A map of the servers a request might visit to get to a
website.

☐

An ordered diagram of all technologies used across a site.

☑

A diagram containing a website's pages and how each
relates to the others.

> Correct!
>
> A sitemap is meant to list all of a site's pages, and how
> each is related to another, or even navigate between
> them.

☐

A blueprint showing the arrangement of a page's
navigation, images, forms etc. on a page.

Question 2   1 / 1 pts

What attribute used with the <a> tag defines the resource that will
open when the user clicks the link?

⊙ href

> Correct! The href attribute is paired with
> another webpage's address to direct the browser to that
> page when the anchor tag is clicked!
>
> ex:
>
> ```
> <a href="http://www.thesoftwareguild.com/">Clic
> k me!</a>
> ```

○ loc

○ src

○ url

Partial

Question 3   0.8 / 1 pts

Match each tag with its intended effect.

<i> | Italicized   ⇕ |

<strong> | Bold & Important   ⇕ |

<mark> | Highlighted   ⇕ |

<ins> | Strike-through   ⇕ |

<sub> | Subscript   ⇕ |

Question 4   1 / 1 pts

Which of the following tags are used to mark the internal text as important?

☑ <em> - the emphasis tag

> Correct! The <em> tag italicizes as well as marks its text as important.

☐ <del> - the deleted tag

☑   <strong> - the strong tag

Correct! The <strong> tag bolds as well as marks its text as important.

☐   <sup> - the superscript tag

☐   <b> - the bold tag

Question 5   **1 / 1 pts**

True or false - The main purpose of <div> tags is to organize content in an HTML page.

◉ True

Correct!

While <div> tags are often used to format, style or emphasize content, their main purpose is to create sections or divisions on a page.

○ False

Question 6   **1 / 1 pts**

In the code sample below, match each missing attribute to the correct name in the list on the right.

```
<form [first]="fakePage.html" [second]="POST">
 Your name: <input [third]="text" name="myName" />
 <input type="submit" value="submit" />
</form>
```

[first]   action   ⬍

[second]	method ⏷

[third]	type ⏷

Question 7   1 / 1 pts

Select the correct attribute for the following element:

```
<img [???]="logo.gif" >
```

○ location

○ href

○ link

⦿ src

Question 8   1 / 1 pts

For the following HTML form element, select the most appropriate type value for each of the defined fields.

```
<form>
  Favorite Food:<input type="food type" /><br />
  Lucky Number:<input type="lucky type" /><br />
  <input type="submit" value="Submit" />
</form>
```

food_type	text ⏷

lucky_type	

number   ▲▼

Question 9   1 / 1 pts

Select the correct attribute for the following element:

`<a [???]="http://www.thesoftwareguild.com">The Guild</a>`

◉ href

○ src

○ page

○ link

Question 10   1 / 1 pts

Which of the following is a properly formatted HTML comment?

○ `/* This is a comment. */`

○ `// This is a comment.`

○ `-- This is a comment.`

◉ `<!-- This is a comment. -->`

Correct! This is a properly formatted comment for HTML, as well as other XML language variants.

Question 11

1 / 1 pts

In general, if a rule with the same selector and same attribute appears in each spot where CSS can appear (inline style, internal style sheet, and external style sheet), which one of those locations will take highest precedence?

○ If there is a conflict in styles, the browser won't apply any of them.

○ External style sheet

◉ Inline style

○ Internal style sheet

Question 12

1 / 1 pts

Which of the statements below best defines an element selector?

○ Selects a group of elements by an attribute name.

◉ Selects a group of elements by their tag name.

○ Selects a group of elements by their ids.

○ Selects a group of elements by a class name.

Question 13

1 / 1 pts

Match each description on the left to the appropriate term on the right.

Defined within an HTML's style attribute.	Inline style ▲▼
Defined within a <style> tag in an HTML page's <head>.	Internal style sheet ▲▼
Defined in a separate .css file and connected with a <link> element.	External style sheet ▲▼

Question 14   1 / 1 pts

How many elements is an id selector meant to target on a page?

○ No more than 3

○ As many as needed

◉ 1

Question 15   1 / 1 pts

What advantages does Bootstrap provide to web developers? (More than one answer may be correct.)

☑ It provides a library of JavaScript functions to build interactive content quickly.

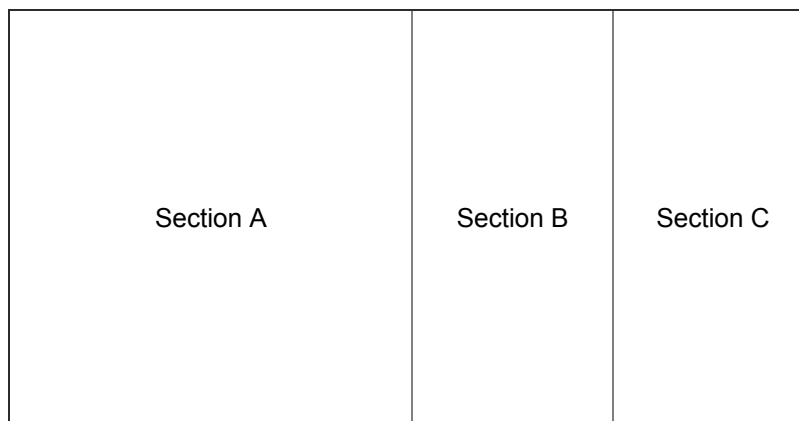☐ It generates HTML code automatically so the developer doesn't need to understand HTML.

☐ Bootstrap provides accessibility features that are not native to HTML or CSS.

☑

It provides a CSS framework for responsive content design.

Question 16   1 / 1 pts

Using Bootstrap, which of the following HTML & CSS classes would lay out the organizational structures on the page in a similar way to the following diagram?

Section A	Section B	Section C

◉
```
<div class="container">
    <div class="col-xs-6">Section A</div>
    <div class="col-xs-3">Section B</div>
    <div class="col-xs-3">Section C</div>
</div>
```

○
```
<div class="container">
    <div class="col-xs-4">Section A</div>
    <div class="col-xs-2">Section B</div>
    <div class="col-xs-2">Section C</div>
</div>
```

```
<div class="container">
    <div class="col-5">Section A</div>
    <div class="col-2.5">Section B</div>
    <div class="col-2.5">Section C</div>
</div>
```

```
<div class="container">
    <div class="half-page">Section A</div>
    <div class="quarter-page">Section B</div>
    <div class="quarter-page">Section C</div>
</div>
```

Question 17   1 / 1 pts

Which of these padding shorthand declarations shows 5px on the left and
right sides, 10px on the top side, and 3px on the bottom side?

○ padding: 5px 10px 5px 3px;

○ padding: 5px 3px 5px 10px;

⦿ padding: 10px 5px 3px 5px;

○ padding: 10px 5px 3px;

Question 18   1 / 1 pts

Given the following internal style sheet:

```
span{ text-decoration:underline }
div{ font-weight:bold }
#trees{ font-style:italic }
#blue{ color:blue }
.bees{ color:orange }
.red{ color:red }
```

And the associated HTML:

```
<div><span class="green" id="trees">Trees</span></div>
<div><span class="black" id="bees">Bees</span></div>
<div><span class="blue" id="fleas">Fleas</span></div>
<div><span class="red" id="knees">Knees</span></div>
```

Select the browser output that matches.

○ *Trees*
   Bees
   Fleas
   Knees

○ Trees
   Bees
   Fleas
   Knees

○ **Trees**
   Bees
   Fleas
   Knees

○ ***Trees***
   Bees
   Fleas
   Knees

◉ ***Trees***
   Bees
   Fleas
   Knees

Question 19   1 / 1 pts

Match the expected browser text output given the following HTML & stylings...

External style sheet:

```
p{ color:fuchsia; font-weight:bold; }
```

Internal style sheet:

```
#mystery{ color:blue; text-decoration:underline; }
.mystery{ color:silver; text-decoration:line-through; }
```

HTML:

```
<p id="mystery" style="color:red; font-style:italic;">
   How do I look?
</p>
```

○ *How do I look?*

○ ~~How do I look?~~

○ **How do I look?**

○ How do I look?

⦿ ***How do I look?***

Incorrect

Question 20   0 / 1 pts

Which of the following style sheets would format the text in the
following HTML block in bold and red. (More than one option may
be correct.)

```
<div>
   <p class="warning" id="error_text">
      Danger Will Robinson, Danger!
   </p>
</div>
```

☐
```
#error_text{ color:red }
.warning{ font-weight:bold }
```

☑
```
p.warning{
  color:red;
  font-weight:bold;
}
```

☐
```
div.error_text{
  color:red;
  font-weight:bold;
}
```

☐
```
p>div{
  color:red;
  font-weight:bold;
}
```

☑
```
.error_text{ color:red }
#warning{ font-weight:bold }
```

Question 21

1 / 1 pts

Which of these are valid variable names in JavaScript?

☐ !2b

☐ 2b

☑ $bar

☑ foo

☑ _llama

Question 22

1 / 1 pts

A number is said to be divisible by another number if there is no remainder. Which operator is best suited for checking the remainder of a division problem?

⊙ %

◯ ?

◯ ^

◯ /

Question 23   1 / 1 pts

Select all of the logical operators in the following list.

☐ ?

☑ !

☑ &&

☑ ||

☐ ++

☐ ==

Question 24   1 / 1 pts

Match each array method on the left to its function definition on the right.

pop   removes and returns the last ⬍

push	adds an element to the end o ⬍
shift	removes and returns the firs ⬍
unshift	adds an element to the begin ⬍
slice	returns a subsection of array ⬍
splice	removes and returns a subse ⬍

Question 25　　　　　　　　　　　　　　　1 / 1 pts

Select all of the comparison operators in the following list.

- ☑ ==
- ☑ ===
- ☐ +
- ☑ !=
- ☐ --
- ☑ <

Question 26　　　　　　　　　　　　　　　1 / 1 pts

Given the following HTML:

```
<form>
  Lucky Number:<br/>
  <input id="lucky_num" type="number" name="luckyNum" />
<br/>
  Fav. Colour:<br/>
  <input id="fav_colour" type="text" name="favColour" />
<br/>
  <input type="submit" value="Submit">
</form>
```

What expression could I use to retrieve the entered Lucky Number?

○ luckyNum.getValue()

○ document.getInput("luckyNum").number

⦿ document.getElementById("lucky_num").value

○ document.findInput("number").val

Question 27   1 / 1 pts

Match the printout resulting from the following code:

```
for(var i = 2; i < 5; i++){
    console.log(i * 3);
}
```

⦿
```
6
9
12
```

○
```
2
3
4
5
```

```
3
6
9
12
15
```

```
1
2
3
4
5
```

Partial

Question 28   0.75 / 1 pts

Select all the **true** expressions.

☐ "5" + "5" < 50

☑ "a" === "a"

☐ "5" < 10

☑ 1 + 1 < 10

☐ "400" === 400

☑ 100 < 200

Question 29   1 / 1 pts

How many times would the following loop print out 'beep!'?

```
for(var i = 4; i < 16; i++){
    System.out.println("beep!");
}
```

12

Question 30   1 / 1 pts

Match the printout resulting from the following code:

```
var cheeses = ["Brie","Asiago","Manchego","Ricotta"];
var sliced_cheese = cheeses.slice(1,3);
console.log(sliced_cheese[1]);
```

○ Ricotta

○ Asiago

○ Brie

⦿ Manchego

Quiz score: **28.55** out of 30