

Quiz Submissions - CS571 Summer 2020: Web Technologies Exam 2

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Attempt 4

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Submission View

Your quiz has been submitted successfully.

Cookies and Privacy Questions [10 pts]

Questions are worth 5 points each.

Question 1

5 / 5 points

Which of the following are different types of cookies?

- Conversion-tracking cookies
- Fourth-party cookies
- Non-secure cookies
- Persistent cookies
- Server-side and client-side cookies

Question 2

5 / 5 points

What are the parties involved in Web advertising? Select all that apply.

- Ad network
- Website owners
- Third-parties
- Website visitors
- Advertisers

Web Security Questions [10 pts]

Each question is worth 5 points.

Question 3

3 / 5 points

Which types of hacks can cause damage on the client side?

- Deface pages, altering content
- Log user keystrokes
- Install malicious software
- Stealing cookies
- Denial of Service

Question 4

5 / 5 points

Which of the following are client-side attacks?

- Cross-site scripting
- Cross-Site Request Forgery (CSRF)
- Clickjacking
- Insufficient Authentication
- Browser and Plugin vulnerability

REST Questions [5 pts]

Each question is worth 5 points.

Question 5

4 / 5 points

For REST Web Services, select the statements that are true.

- Complex REST services may use as many as 11 HTTP methods

- REST provides security and encryption
- 3 Fundamentals aspects of REST Design Patterns are clients, servers and operations
- JSON-RPC is an example of REST
- In REST resources are uniquely identified by URLs

High-Performance Websites Questions [10 pts]

Each question is worth 5 points.

Question 6

5 / 5 points

Which of the following are rules to improve Web site performance?

- Compress text and PDF files
- Use Sprites
- Use POST instead of GET
- Put scripts at the top and stylesheets at the bottom
- Make scripts and stylesheets external

Question 7

5 / 5 points

Select the types of files should be compressed to improve web site performance.

- XML files
- JSONP files
- Text files
- Minified JavaScript files
- GIF files

HTML5 Questions [10 pts]

Each question is worth 5 points.

Question 8

5 / 5 points

Which of the following are new elements in HTML5.

- column
- aside
- header
- article
- applet

Question 9

5 / 5 points

Which of the following are removed elements in HTML5?

- footer
- center
- embed
- font
- frameset

Ajax Questions [15 pts]

Each question is worth the listed points.

Question 10

3 / 3 points

[3 points] Select all valid XMLHttpRequest() Object methods.

- getRequestHeader("header")
- setResponseHeader("header", "value")
- abort()

Question 11

1 / 1 point

[1 point] CORS and server proxy are good ways to avoid cross-domain browser restrictions.

- True
 False

Question 12

3 / 3 points

[3 points] Consider the following object:

```
var xhr = new XMLHttpRequest();
```

Which values should be checked in the callback?

- xhr.readyState is 4
 xhr.statusText is OK
 xhr.status is 404

Question 13

2 / 2 points

[2 points] Consider the following code snippet:

```
j = eval("(" + text + ")");
```

Select all answers that are TRUE for such code.

- It is part of JSON.parse()
 It is very unsafe

Question 14

1 / 1 point

[1 point] Synchronous XMLHttpRequest() has been deprecated.

- True
 False

Question 15

1 / 1 point

[1 point] The fetch() API includes an option that can be set to any of the REST HTTP Methods.

- True
 False

Question 16

4 / 4 points

[4 points] What are some of the characteristics of Ajax applications? Select all that apply.

- They present live content
 They have static icons
 They have visual effects
 They are single page

JQuery Questions [10 pts]

Each question is worth the points listed.

Question 17

1 / 1 point

[1 point] Consider the following CSS, jQuery and HTML. Will the image properties be changed by the jQuery code?

```
.bigImg {  
    border: 1px solid black;  
}  
  
$("img.userIcon").load(function() {  
    if ( $( this ).height() > 100 {  
        $( this ).addClass("bigImg");  
    }  
});  
  
<body>  
  
</body>
```

- True
 False

Question 18

2 / 2 points

[2 points] What type of selector is the 'header' selector, as in the following example:

```
$(":header").css({ background: "#ccc", color: "blue" });
```

- Basic selector
 Basic Filter selector

Question 19

2 / 2 points

[2 points] What is the jQuery code that corresponds to the following DOM code?

```
mybutton = document.getElementById("mybutton");
```

- \$(".myButton");
 jQuery("#myButton");

Question 20

3 / 3 points

[3 points] Which of the following selectors are part of the Basic selectors category? Check all that apply.

- Multiple
 Form
 Element

Question 21

2 / 2 points

[2 points] What type of selector is the name="value" selector, as in the following example:

```
 $("input[value='Hot Fuzz'] ").text( "Hot Fuzz" );
```

- Attribute Equals selector
 Attribute Contains selector

Responsive Website Design (RWD) Questions [10 pts]

Each question is worth the points listed.

Question 22

2 / 4 points

[4 points] Select all the reasons why hosting a separate .mobi website is not recommended.

- Nobody is using .mobi TLDs
 Redirect take time
 Will work on multiple device sizes
 Results in content synchronization issues

Question 23

4 / 4 points

[4 points] What are properties of fluid grids? Select all that apply.

- Defined using relative dimensions
 Have to adjust width manually for certain devices
 Elements will adjust their widths and heights by the specified proportions to their parent container
 Define grids based on number of rows and columns

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Question 24

2 / 2 points

[2 points] Consider the following media queries:

```
<link rel="stylesheet" media="only screen and (min-width:320px) and (max-width: 760px)" href="css1.css">
```

```
<link rel="stylesheet" media="only screen and (min-width:761px) and (max-width: 1100px)" href="css2.css">
```

What different device sizes they fail to support?

- Devices with large screens
 Devices with small screens

Frameworks Questions [10 pts]

Each question is worth the points listed.

Question 25**2 / 2 points**

[2 points] Which of the following are TRUE of React? Select all that apply.

- Components are building blocks of React apps
- React can be used to build Android and iOS apps

Question 26**3 / 3 points**

[3 points] Select which of the following are TRUE of Angular (version 2 though 9).

- Can be used to build Single Page Applications, by rendering plain HTML at the server side
- Architecture based on services
- Uses services to increase usability and flexibility

Question 27**2 / 2 points**

[2 points] Select which of the following are TRUE of TypeScript.

- Can seamlessly consume JavaScript
- A Semantic superset of JavaScript

Question 28**3 / 3 points**

[3 points] Which of the following are TRUE of Node.js? Select all that apply.

- Is bundled with 'npm'
- Includes modules that handle I/O
- Provides POSIX functions for File I/O

Serverless Questions [10 pts]

Each question is worth the points listed.

Question 29**3 / 3 points**

[3 points] Which of the following are properties of a container like Docker? Select all that apply.

- Package an application with all its dependencies into a standardized unit for software development
- Lightweight
- Solve security issues

Question 30**4 / 4 points**

[4 points] Select which of the following are TRUE of Serverless Architectures.

- Execution environment provided by service
- Provisioning and scaling handled by the client
- Provide authorization and authentication services
- No compute resource to manage

Question 31**3 / 3 points**

[3 points] Select which of the following are TRUE of AWS Lambda?

- Not suitable for real-time data processing
- Easy to build scalable back-end services
- Complex resource model

Attempt Score:95 / 100 - 95 %

Overall Grade (highest attempt):95 / 100 - 95 %

Done