

Quiz Submissions - CS571 Summer 2020: Web Technologies Exam 2

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Anish Vaidya (username: aavaidya@usc.edu)

Attempt 3

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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

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

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

Question 2

5 / 5 points

Which of the following are different types of cookies?

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

Web Security Questions [10 pts]

Each question is worth 5 points.

Question 3

5 / 5 points

Which of the following are client-side attacks?

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

Question 4

3 / 5 points

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

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

REST Questions [5 pts]

Each question is worth 5 points.

Question 5

5 / 5 points

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

- In REST resources are uniquely identified by URLs

- JSON-RPC is an example of REST
- 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

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
- Put scripts at the top and stylesheets at the bottom
- Make scripts and stylesheets external
- Use POST instead of GET

Question 7

5 / 5 points

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

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

- article
- aside
- column
- applet
- header

Question 9

5 / 5 points

Which of the following are removed elements in HTML5?

- footer
- frameset
- embed
- center
- font

Ajax Questions [15 pts]

Each question is worth the listed points.

Question 10

1 / 1 point

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

- True
- False

Question 11

1 / 1 point

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

- True

False

Question 12

1 / 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.status is 404
- xhr.statusText is OK

Question 13

4 / 4 points

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

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

Question 14

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 15

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 16

3 / 3 points

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

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

JQuery Questions [10 pts]

Each question is worth the points listed.

Question 17

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 18

2 / 2 points

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

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

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

Question 19

3 / 3 points

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

- Element
- Form

Multiple

Question 20

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

Question 21

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.userlcon").load(function() {
    if ( $( this ).height() > 100 {
        $( this ).addClass("bigImg");
    }
});

<body>

</body>
```

True

False

Responsive Website Design (RWD) Questions [10 pts]

Each question is worth the points listed.

Question 22

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

Question 23

4 / 4 points

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

Defined using relative dimensions

Elements will adjust their widths and heights by the specified proportions to their parent container

Have to adjust width manually for certain devices

Define grids based on number of rows and columns

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Question 24

2 / 4 points

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

Redirect take time

Results in content synchronization issues

Nobody is using .mobi TLDs

Will work on multiple device sizes

Frameworks Questions [10 pts]

Each question is worth the points listed.

Question 25**3 / 3 points**

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

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

Question 26**0 / 2 points**

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

- A Semantic superset of JavaScript
- Can seamlessly consume JavaScript

Question 27**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 IP
- Provides POSIX functions for File I/O

Question 28**0 / 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

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.

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

Question 30**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

Question 31**4 / 4 points**

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

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

Attempt Score:90 / 100 - 90 %

Overall Grade (highest attempt):90 / 100 - 90 %

Done