

CS202 - FUNDAMENTALS OF FRONT END DEVELOPMENT
FINAL TERM IMPORTANT MCQS FROM WEEK 7 TO 8
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1. What is jQuery?

- a) A programming language
- b) A JavaScript framework**
- c) A database management system
- d) A markup language

Answer: b) A JavaScript framework

2. What does jQuery primarily simplify?

- a) Database management
- b) HTML document traversal and manipulation**
- c) Graphic design
- d) Network security

Answer: b) HTML document traversal and manipulation

3. Which of the following is NOT a feature of the jQuery library?

- a) HTML/DOM manipulation
- b) CSS manipulation
- c) Video editing**
- d) AJAX

Answer: c) Video editing

4. Why is jQuery considered important?

- a) It is the only JavaScript framework available
- b) It is the smallest JavaScript library
- c) It is the most popular and extendable JavaScript framework**
- d) It is only compatible with a specific browser

Answer: c) It is the most popular and extendable JavaScript framework

5. How can you add jQuery to an HTML document?

- a) By using the ``<java>`` tag
- b) By using the ``<jquery>`` tag
- c) By using the ``<script>`` tag and referencing the jQuery file**
- d) By embedding jQuery code directly in the HTML

Answer: c) By using the `<script>` tag and referencing the jQuery file

6. What is the purpose of the Document Ready Event in jQuery?

- a) To load the HTML document
- b) To wait for the document to be fully loaded before executing jQuery code**
- c) To trigger animations
- d) To hide all elements in the document

Answer: b) To wait for the document to be fully loaded before executing jQuery code

7. Which method is an alternative to `$(document).ready(function(){...})` for the Document Ready Event?

- a) `$(function(){...})`**
- b) `$(document).load(function(){...})`
- c) `$(html).ready(function(){...})`
- d) `$(body).load(function(){...})`

Answer: a) `$(function(){...})`

8. What is the purpose of jQuery selectors?

- a) To style HTML elements
- b) To select and manipulate HTML elements**
- c) To create new HTML elements
- d) To define functions in jQuery

Answer: b) To select and manipulate HTML elements

9. How can you select all `<p>` elements using jQuery?

- a) `$("p")`**
- b) `$("#p")`
- c) `$(".p")`
- d) `element.select("p")`

Answer: a) `$("p")`

10. How do you select an element with the id "test" in jQuery?

- a) `$("#test")`**
- b) `$(".test")`
- c) `$("test")`
- d) `element.select("#test")`

Answer: a) `\$("#test")`

11. What are events in the context of web development?

- a) Styling rules for HTML elements
- b) Visitor's actions that a web page can respond to**
- c) HTML tags
- d) JavaScript functions

Answer: b) Visitor's actions that a web page can respond to

12. In jQuery, what is the purpose of the following code?

```
javascript  
$("p").click();
```

- a) Hides all paragraphs on the page
- b) Assigns a click event to all paragraphs**
- c) Defines a function for the click event
- d) Triggers a click event on all paragraphs

Answer: b) Assigns a click event to all paragraphs

13. How do you define a function for a click event in jQuery?

- a) `\$("p").function({});`
- b) `\$("p").click({});`
- c) `\$("p").on("click", function({});`**
- d) `\$("p").event(function({});`

Answer: c) `\$("p").on("click", function({});`

14. Which jQuery method is used to execute a function when the document is fully loaded?

- a) `document.load()`
- b) `\$(document).ready()`**
- c) `\$(document).load()`
- d) `document.ready()`

Answer: b) `\$(document).ready()`

15. What does the `dblclick()` method do in jQuery?

- a) Attaches a function to the double-click event**
- b) Hides the element when clicked twice
- c) Executes a function when the user clicks once
- d) Removes an element on double-click

Answer: a) Attaches a function to the double-click event

16. Which event method is a combination of `mouseenter()` and `mouseleave()` in jQuery?

- a) `hover()`
- b) `on()`
- c) `click()`
- d) `focus()`

Answer: a) `hover()`

17. What is the purpose of the `focus()` event in jQuery?

- a) Executes a function when the user clicks on an element
- b) Changes the background color of an input field
- c) Attaches an event handler to the mouse enter event
- d) Fires when a form field gets focus**

Answer: d) Fires when a form field gets focus

18. How can you attach multiple event handlers to an element in jQuery using the `on()` method?

- a) `$("#p").on("click", function({}));`
- b) `$("#p").eventHandlers({...});`
- c) `$("#p").multipleEvents({...});`
- d) `$("#p").on({...});`

Answer: a) `$("#p").on("click", function({}));`

19. Which event method is used for both `mouseup` and `mousedown` events in jQuery?

- a) `click()`
- b) `hover()`
- c) `on()`**
- d) `mouseupdown()`

Answer: c) `on()`

20. What does the following jQuery code do?

```
javascript
$("#p").on({
  mouseenter: function() { $(this).css("background-color", "lightgray"); },
  mouseleave: function() { $(this).css("background-color", "lightblue"); },
  click: function() { $(this).css("background-color", "yellow"); }
});
```

- a) Adds a click event to all paragraphs
- b) Changes background color on mouse events for paragraphs**
- c) Hides paragraphs on click
- d) Removes paragraphs on mouse events

Answer: b) Changes background color on mouse events for paragraphs

21. What is jQuery traversing?

- a) Moving elements left and right
- b) Selecting elements based on their relation to other elements**
- c) Animating elements
- d) Styling elements with CSS

Answer: b) Selecting elements based on their relation to other elements

Which jQuery method is used to traverse up the DOM tree and return the direct parent element?

- a) parent()**
- b) parents()
- c) parentElement()
- d) up()

Answer: a) parent()

22. What does the parents() method return in jQuery?

- a) All descendant elements
- b) All direct parent elements
- c) All sibling elements
- d) All ancestor elements up to the document's root element**

Answer: d) All ancestor elements up to the document's root element

23. How does the children() method differ from the find() method in jQuery?

- a) children() returns all descendants, while find() returns direct children
- b) children() returns direct children, while find() returns all descendants**
- c) children() returns siblings, while find() returns all elements
- d) children() and find() are the same

Answer: b) children() returns direct children, while find() returns all descendants

24. Which method is used to traverse sideways in the DOM tree and returns all sibling elements?

- a) siblings()**

- b) next()
- c) prev()
- d) find()

Answer: a) siblings()

25. What does the nextUntil() method do in jQuery?

- a) Returns all next sibling elements
- b) Returns all next sibling elements between two given arguments**
- c) Returns the next sibling element
- d) Returns all ancestors between two given arguments

Answer: b) Returns all next sibling elements between two given arguments

26. How can you select the first element of a group of elements in jQuery?

- a) first()**
- b) start()
- c) initial()
- d) primary()

Answer: a) first()

27. What does the eq() method do in jQuery?

- a) Returns elements with a specific index number**
- b) Returns the last element
- c) Returns elements with a specific class
- d) Returns elements without a specific class

Answer: a) Returns elements with a specific index number

28. The filter() method in jQuery:

- a) Removes elements that match the criteria**
- b) Adds elements that match the criteria
- c) Returns elements that do not match the criteria
- d) Returns all elements

Answer: a) Removes elements that match the criteria

29. What is the opposite of the filter() method in jQuery?

- a) reject()
- b) negate()
- c) not()**

d) exclude()

Answer: c) not()

30. What does AJAX stand for?

- a. Asynchronous JavaScript and XHTML
- b. Asynchronous JavaScript and XML**
- c. Asynchronous jQuery and XML
- d. Automated JavaScript and XML

Answer: b. Asynchronous JavaScript and XML

31. Which jQuery method is used to load data from a server and put it into a selected element?

- a. \$.ajax()
- b. \$.get()
- c. \$.load()**
- d. \$.post()

Answer: c. \$.load()

32. What is the purpose of the callback function in the jQuery load() method?

- a. To define the data to be loaded
- b. To handle errors during data loading
- c. To specify the URL of the resource
- d. To execute after the load operation is completed**

Answer: d. To execute after the load operation is completed

33. Which HTTP method is used by the \$.get() method in jQuery?

- a. GET**
- b. POST
- c. PUT
- d. DELETE

Answer: a. GET

34. How is the noConflict() method used in jQuery?

- a. To define a new JavaScript framework
- b. To prevent conflicts with other JavaScript frameworks**
- c. To load external scripts asynchronously
- d. To handle AJAX requests

Answer: b. To prevent conflicts with other JavaScript frameworks

35. What is the purpose of XML in web development?

- a. To define styling rules for web pages
- b. To store and transport data in a machine-readable format**
- c. To create dynamic user interfaces
- d. To handle user authentication

Answer: b. To store and transport data in a machine-readable format

36. Which of the following is a valid XML syntax rule?

- a. HTML elements can omit closing tags
- b. XML tags are not case-sensitive
- c. XML elements must be properly nested**
- d. XML attribute values must not be quoted

Answer: c. XML elements must be properly nested

37. What is the purpose of XML namespaces?

- a. To define names for XML elements
- b. To avoid conflicts between element names in different XML documents**
- c. To specify the character encoding of an XML document
- d. To define data types in XML schemas

Answer: b. To avoid conflicts between element names in different XML documents

38. What does DTD stand for in XML?

- a. Document Transformation Definition
- b. Document Type Declaration**
- c. Data Type Definition
- d. Document Text Description

Answer: b. Document Type Declaration

39. How does XML Schema differ from DTD?

- a. XML Schema is written in HTML
- b. XML Schema does not support data types
- c. XML Schema uses XML syntax, while DTD does not**
- d. XML Schema cannot describe the structure of an XML document

Answer: c. XML Schema uses XML syntax, while DTD does not

40. What does XPath stand for?

- a) XML Path**
- b) XSLT Path
- c) XHTML Path
- d) XQuery Path

Answer: a) XML Path

41. Which of the following is true about JSON?

- a) JSON is a markup language
- b) JSON is used for defining parts of an XML document
- c) JSON is shorter and quicker to read and write than XML**
- d) JSON uses end tags

Answer: c) JSON is shorter and quicker to read and write than XML

42. What is the purpose of the HTML ``<canvas>` element?

- a) To define links within an HTML document
- b) To draw graphics on the fly using scripting**
- c) To structure and present content on the web
- d) To create tables and lists in HTML

Answer: b) To draw graphics on the fly using scripting

43. In HTML5, what is the purpose of the ``<section>` element?

- a) To define a header for a document
- b) To create a set of navigation links
- c) To define a section in a document with a heading**
- d) To draw graphics on a canvas

Answer: c) To define a section in a document with a heading

44. What is HTML Local Storage used for?

- a) Storing data on the server
- b) Storing data locally within the user's browser**
- c) Storing session-specific data
- d) Storing cookies

Answer: b) Storing data locally within the user's browser

45. Which HTML element is used to embed audio in a web page?

- a) ``<sound>``
- b) ``<audio>``**
- c) ``<music>``
- d) ``<play>``

Answer: b) ``<audio>``

46. What is the purpose of the ``<video>`` element in HTML5?

- a) To embed images in a web page
- b) To embed videos in a web page**
- c) To create multimedia animations
- d) To enable geolocation services

Answer: B

47. Which method is used to get the geographical position of a user in HTML Geolocation?

- a) `getLocation()`
- b) `retrievePosition()`
- c) `getCurrentPosition()`**
- d) `findUserPosition()`

Answer: C. `getCurrentPosition()`

48. What does the `controls` attribute do in the HTML `<video>` element?

- a) Adds video editing options
- b) Adds video playback controls**
- c) Enables autoplay
- d) Specifies video file formats

Answer: B. Adds video playback controls

49. Which file formats are currently supported for the `<audio>` element in HTML?

- a) MP4, WebM, Ogg
- b) WAV, FLAC, MP3
- c) MP3, WAV, Ogg**
- d) AVI, MP3, MKV

Answer: c). MP3, WAV, Ogg

50. How is a web worker terminated in HTML5?

- a) `terminateWorker()`
- b) `stopWorker()`
- c) `killWorker()`
- d) `terminate()`**

Answer: D. `terminate()`

51. What is the purpose of the `ondragover` event in HTML Drag and Drop?

- a) **Specifies where the dragged data can be dropped**
- b) Handles errors during drag and drop
- c) Initiates the dragging process
- d) Specifies the data to be dragged

Answer: A. Specifies where the dragged data can be dropped

52. Which section in the Cache Manifest file specifies files to be cached after the first download?

- a) `NETWORK`
- b) `FALLBACK`
- c) **`CACHE MANIFEST`**
- d) `CACHE`

Answer: C. `CACHE MANIFEST`

53. What does the HTML5 Server-Sent Events (SSE) allow?

- a) **Automatic updates from the server to the web page**
- b) Automatic updates from the web page to the server
- c) Bidirectional communication between the server and the web page
- d) Manual updates requested by the web page

Answer: A. Automatic updates from the server to the web page

54. What is CSS3 primarily divided into?

- a) Elements
- b) **Modules**
- c) Sections
- d) Tags

Answer: b) Modules

55. Which CSS3 module is responsible for specifying the position of background images?

- a) Selectors
- b) Box Model
- c) **Backgrounds and Borders**
- d) Animations

Answer: c) Backgrounds and Borders

How can you create rounded corners for an element using CSS3?

- a) Using box-shadow property

- b) Using background-radius property
- c) Using border-radius property**
- d) Using corner-radius property

Answer: c) Using border-radius property

56. What is the purpose of the CSS3 property "border-image"?

- a) Add a background image to an element
- b) Specify an image to be used instead of the normal border around an element**
- c) Apply a shadow effect to text
- d) Create rounded corners

Answer: b) Specify an image to be used instead of the normal border around an element

57. Which CSS3 property allows you to add multiple background images for an element?

- a) background-size
- b) background-origin
- c) background-clip
- d) background-image**

Answer: d) background-image

58. What does the CSS3 property "opacity" control?

- a) Background color
- b) Text color
- c) Element visibility**
- d) Font size

Answer: c) Element visibility

59. What does the CSS3 "repeating-linear-gradient()" function do?

- a) Creates a linear gradient that changes color continuously
- b) Repeats a linear gradient in a specified direction**
- c) Adds a shadow effect to text
- d) Applies a 3D transformation to an element

Answer: b) Repeats a linear gradient in a specified direction

60. Which CSS3 property is used to add shadow to elements?

- a) box-shadow**
- b) text-shadow
- c) shadow-effect

d) element-shadow

Answer: a) box-shadow

61. What is the purpose of the CSS3 property "text-overflow"?

- a) Specifies the font style
- b) Defines the text shadow
- c) Specifies how overflowed content should be signaled to the user**
- d) Adds animation to text

Answer: c) Specifies how overflowed content should be signaled to the user

62. How can you define web fonts in CSS3?

- a) Using font-size property
- b) Using text-font property
- c) Using @font-face rule**
- d) Using font-family property

Answer: c) Using @font-face rule

63. What is Responsive Web Design (RWD)?

- a) A design approach for static web pages
- b) An approach for crafting sites that provide an optimal viewing experience on all devices**
- c) A technique to increase mobile traffic
- d) A method to fix the size of web pages for all devices

Answer: b) An approach for crafting sites that provide an optimal viewing experience on all devices

64. Why is responsive web design important?

- a) It decreases mobile traffic
- b) It provides a static viewing experience
- c) It aims to offer an optimal viewing and interaction experience on all devices**
- d) It increases the need for resizing, panning, and scrolling

Answer: c) It aims to offer an optimal viewing and interaction experience on all devices

65. What is the purpose of the viewport in responsive web design?

- a) To control the content of a web page
- b) To set the initial zoom level of a webpage**
- c) To make web pages look good only on computers
- d) To fix the size of web pages for mobile phones

Answer: b) To set the initial zoom level of a webpage

66. What does the viewport meta tag do in HTML5?

- a) Sets the width of the page to a fixed value
- b) Allows web designers to control the browser's dimensions
- c) Helps to make web pages static
- d) Provides instructions on how to control the page's dimensions and scaling**

Answer: d) Provides instructions on how to control the page's dimensions and scaling

67. What is the purpose of a responsive grid-view in web design?

- a) To make web pages static
- b) To increase the size of web pages
- c) To provide a structure for placing elements on a page**
- d) To decrease the width of web pages

Answer: c) To provide a structure for placing elements on a page

68. How many columns does a typical responsive grid-view have?

- a) 6
- b) 8
- c) 10
- d) 12**

Answer: d) 12

69. What is a media query in CSS?

- a) A query to search for media files
- b) A technique introduced in HTML5
- c) A block of CSS properties applied under certain conditions**
- d) A method to set the initial zoom level of a webpage

Answer: c) A block of CSS properties applied under certain conditions

70. What does "Mobile First" design mean in responsive web design?

- a) Designing specifically for desktops
- b) Designing for mobile devices before other devices**
- c) Designing without any consideration for mobile devices
- d) Designing for tablets before other devices

Answer: b) Designing for mobile devices before other devices

71. How can media queries be used to change the layout based on device orientation?

- a) By adjusting the font size
- b) By changing the background color
- c) By altering the page's structure**
- d) By modifying the column widths

Answer: c) By altering the page's structure

72. What does the `width: 100%; height: auto;` CSS property do for images in responsive web design?

- a) Forces images to have fixed dimensions
- b) Makes images responsive, allowing them to scale up and down**
- c) Restricts images to their original size
- d) Increases the height of images on mobile devices

Answer: b) Makes images responsive, allowing them to scale up and down

73. What is Bootstrap?

- a) A back-end programming language
- b) A front-end framework**
- c) A database management system
- d) An operating system

Answer: b) A front-end framework

74. Who developed Bootstrap?

- a) Bill Gates
- b) Mark Otto and Jacob Thornton**
- c) Steve Jobs
- d) Elon Musk

Answer: b) Mark Otto and Jacob Thornton

75. Which of the following is NOT a reason to use Bootstrap?

- a) Easy to use
- b) Responsive features
- c) Mobile-first approach
- d) Faster server processing**

Answer: d) Faster server processing

76. How can Bootstrap be included in a web project?

- a) Import as a Python library
- b) Download and host it locally
- c) Include from a CDN**
- d) Both b and c

Answer: d) Both b and c

77. What classes are used in Bootstrap's grid system for different screen sizes?

- a) s, m, l, xl
- b) xs, sm, md, lg**
- c) small, medium, large, x-large
- d) grid-xs, grid-sm, grid-md, grid-lg

Answer: b) xs, sm, md, lg

78. What is the default font-size in Bootstrap for paragraphs?

- a) 12px
- b) 14px**
- c) 16px
- d) 18px

Answer: b) 14px

79. Which class is used to create a rounded image in Bootstrap?

- a) .img-rounded**
- b) .img-circle
- c) .img-thumbnail
- d) .img-round

Answer: a) .img-rounded

80. How can you create a responsive table in Bootstrap?

- a) **Apply .table-responsive class**
- b) Use .table-fluid class
- c) Include responsive="true" attribute
- d) Both a and b

Answer: a) Apply .table-responsive class

81. What class is used to create a jumbotron in Bootstrap?

- a) **.jumbotron**
- b) .hero-unit
- c) .big-box
- d) .container-jumbo

Answer: a) .jumbotron

82. Which class is used for a primary button in Bootstrap?

- a) .btn-default
- b) **.btn-primary**
- c) .btn-info
- d) .btn-success

Answer: b) .btn-primary

83. What is the primary purpose of responsive testing in web development?

- a. Enhancing website aesthetics
- b. Ensuring server security
- c. **Adapting to different device screens**
- d. Improving website content

Answer: c. Adapting to different device screens

84. Which method is NOT recommended for testing responsiveness in web design?

- a. Resizing browser window
- b. Using online testing services
- c. Swiping on mobile devices
- d. **Scrolling through web pages**

Answer: d. Scrolling through web pages

85. What are some features of Chrome DevTools for responsive testing?

- a. Mobile device emulation
- b. Hover and right-click simulation
- c. Pinch to Zoom functionality
- d. All of the above**

Answer: d. All of the above

86. Who leads the World Wide Web Consortium (W3C)?

- a. Mark Zuckerberg
- b. Tim Berners-Lee**
- c. Larry Page
- d. Jeff Bezos

Answer: b. Tim Berners-Lee

87. What is the purpose of W3C Validator?

- a. Debugging web documents**
- b. Emulating mobile devices
- c. Testing website speed
- d. Simulating touch events

Answer: a. Debugging web documents

88. Which of the following is a feature of good Web Publishing Tools?

- a. Inconsistency in design format
- b. Lack of support for common components
- c. Integration with FTP for publishing**
- d. Limited functionality in layout design

Answer: c. Integration with FTP for publishing

89. Which Web Publishing Tool allows users to visually map out website structure without using HTML coding?

- a. Adobe PageMill
- b. NetObjects Fusion**
- c. Macromedia Dreamweaver
- d. Notepad

Answer: b. NetObjects Fusion

90. What is a key consideration for maintaining web page quality regarding fonts?

- a. **Overusing Bold text**
- b. Avoiding Sans-serif fonts
- c. Using custom fonts extensively
- d. Ignoring font size in CSS

Answer: a. Overusing Bold text

91. What is the recommended time for a website to open for the best user experience?

- a. 10 seconds
- b. 5 seconds
- c. **1 second**
- d. 20 seconds

Answer: c. 1 second

92. What is the primary goal of Search Engine Optimization (SEO)?

- a. Enhancing website aesthetics
- b. Improving server security
- c. **Increasing website visibility in search engines**
- d. Reducing website content

Answer: c. Increasing website visibility in search engines