the **box-ordinal-group property** specifies the display order in which objects appear within a box.

|  |  |
| --- | --- |
| **Canvas** | **SVG** |
| * Resolution dependent * No support for event handlers * Poor text rendering capabilities * You can save the resulting image as .png or .jpg * Well suited for graphic-intensive games | * Resolution independent * Support for event handlers * Best suited for applications with large rendering areas (Google Maps) * Slow rendering if complex (anything that uses the DOM a lot will be slow) * Not suited for game applications |

Deperecated tags HTML5

|  |  |
| --- | --- |
| <acronym> | Defines an acronym |
| <applet> | Defines an applet |
| <basefont> | Defines an base font for the page. |
| <big> | Defines big text |
| <center> | Defines centered text |
| <dir> | Defines a directory list |
| <font> | Defines text font, size, and color |
| <frame> | Defines a frame |
| <frameset> | Defines a set of frames |
| <isindex> | Defines a single-line input field |
| <noframes> | Defines a noframe section |
| <s> | Defines strikethrough text |
| <strike> | Defines strikethrough text |
| <tt> | Defines teletype text |
| <u> | Defines underlined text |

 <track src="subtitles\_en.vtt" kind="subtitles" srclang="en" label="English”>

## Hue

Hue is a degree on the color wheel from 0 to 360. 0 is red, 120 is green, 240 is blue.

## Saturation

Saturation is a percentage value; 0% means a shade of gray and 100% is the full color.

## Lightness

Lightness is also a percentage; 0% is black, 100% is white.

Html5 tag are not backword compatible(true/false)

In how many ways can media queries be define?

how to spread css properties over pages

Html5 is a markup as well as a mashup language?

The manifest attribute specifies the location of the document's cache manifest.

HTML5 introduces application cache, which means that a web application is cached, and accessible without an internet connection.

Application cache gives an application three advantages:

1. Offline browsing - users can use the application when they're offline
2. Speed - cached resources load faster
3. Reduced server load - the browser will only download updated/changed resources from the server

The manifest attribute should be included on every page of your web application that you want cached.

The manifest file is a simple text file that lists the resources the browser should cache for offline access.

The longdesc attribute specifies a hyperlink to a detailed description of an image.

**Web Accessibility Initiative** (WAI) which aims to develop guidelines and resources to help make the Web accessible to people with disabilities.

@keyframes *animationname*{*keyframes-selector*{*css-styles;}*}

|  |  |
| --- | --- |
| getSelection() | Returns a Selection object representing the range of text selected by the user |

Hi,

Below are First Dovetail questions.

HTML & CSS

1) What do Sitemap used for?

Ans : A good site map does the following:

* Shows a quick, easy-to-follow overview of your site.
* Provides a pathway for the search engine robots to follow.
* Provides text links to every page of your site.
* Quickly shows visitors how to get where they need to go.
* Utilizes important keyword phrases.
* There are two advantages to having a sitemap. One is that it can boost the search engine rankings of your website – something we’re all looking for. Now it’s not some super ninja secret that will catapult you from obscurity to #1 on Google, but it certainly seems to help a little based on our own tests.
* The second advantage is that it also helps with getting all of your pages get indexed, even if they’re obscure.

Ans : Easy navigation(not sure)

2) Which tags are used for quoting?

Ans: <q> and <blockquote>

3) What is the correct syntax of <canvas> in the following options?

Ans: <canvas id=”mycanvas” width=”100” height=”100”><noscript>Canvas doesn’t support in my browser</noscript></canvas>

4) Textarea is not supported in HTML5. (True/False)

Ans False

5) <a href=”some url”><h1>some text</h1><img src=”” alt=””></a>

Is this syntax valid? (True/False)

Ans true (not sure if question is tricky)

6) Is <!doctype html> reason for major fallback in HTML5.(True/False)

Ans False

7) Manifest is a new feature that doesn’t have fallback. (True/False)

Ans False

[Manifest has three sections: cache manifest , network, fallback]

8) <input type=”week”> allows user to select a week and year.(True/False)

Ans True

9) Read about radial-gradient properties i.e. closest-side, closest-corner, farthest-side and farthest-corner.

Ans A radial gradient is defined by its center.

To create a radial gradient you must also define at least two color stops.

background: radial-gradient(shape sizeatposition, start-color, ..., last-color);

By default, shape is ellipse, size is farthest-corner, and position is center.

Shape can be circle or ellipse

Eg., background: radial-gradient(circle, red, yellow, green);

Size can be :

* **closest-side**
* **farthest-side**
* **closest-corner**
* **farthest-corner**

eg. Alongwith position, background: radial-gradient(closest-side at 60% 55%, red, yellow, black);

repeating radial gradient

 background: repeating-radial-gradient(red, yellow 10%, green 15%);

|  |  |
| --- | --- |
| **Constant** | **Description** |
| closest-side | The gradient's ending shape meets the side of the box closest to its center (for circles) or meets both the vertical and horizontal sides closest to the center (for ellipses). |
| closest-corner | The gradient's ending shape is sized so it exactly meets the closest corner of the box from its center. |
| farthest-side | Similar to closest-side, except the ending shape is sized to meet the side of the box farthest from its center (or vertical and horizontal sides). |
| farthest-corner | The gradient's ending shape is sized so it exactly meets the farthest corner of the box from its center. |

10) Read Linear-gradient.

background: linear-gradient(direction, color-stop1, color-stop2, ...);

**Top to Bottom (this is default)**

**Left to right**  background: linear-gradient(to right, red , yellow);

Diagonal  background: linear-gradient(to bottom right, red, yellow);

Using angle background: linear-gradient(-90deg, red, yellow);

2 colors are minimum compulsory

11) HTML5 does not have backward compatibility with previous HTML elements. (True/False).

Ans false

12) Which HTML tags clearly defines the content?

a) <div>, <span> & <p>

b) <header>,<footer>,<nav>,<section> ans

c) <img>

13) WatchPosition () does not return the updated position as the user moves.(True/ False)

Ans false

14) Can checkbox be combined with other inputs? (True/False)

Ans true

15) In how many ways can media queries be defined? More than one

16) For which orientation we can apply media queries?

a) Portrait b) Landscape c) Horizontal d) Vertical.

Ans A and B

17) Default value for word-wrap? Ans Normal

18) Can box-shadow property used for transforms? (True/False)

19) Translate will change according to its parent or not. (True/False)

20) Manifest is a new feature that does not have fallback? (True/False)

Ans False

21) What is the default value for transform-style? Flat

22) Different context for multiple backgrounds can be implemented by which property?

ANS: ---Background-image

23) How many number of emails can be entered in input type=email.

Ans : more than one.

24) 508 Rehabilitation act.-

Ans:----( Section 508 was enacted to eliminate barriers in information technology, to make available new opportunities for people with disabilities, and to encourage development of technologies that will help achieve these goals. The law applies to all Federal agencies when they develop, procure, maintain, or use electronic and information technology)

25) Read tel, url input types.

Tel: The **<input type="tel">** is used for input fields that should contain a telephone number.

The tel type is currently supported only in Safari 8.

url : The **<input type="url">** is used for input fields that should contain a URL address.

Depending on browser support, the url field can be automatically validated when submitted.

Some smartphones recognize the url type, and adds ".com" to the keyboard to match url input.

Safari dont support this.

26) What is the syntax for “novalidate” in form?

Ans:---(<form action="demo\_form.asp" novalidate> E-mail: <input type="email" name="user\_email">

<input type="submit"></form>)

27) Which will describe the content and orientation of the table?

ANS:-table summary.

28) What is device aspect ratio? (device-width / device-height)

ANS:- device-width/device-height.

29) Width and height attributes specifies the width & height of the output device? (True/False)

ANS:-TRUE

30) What property value should be given compulsorily for animation property?

ANS:- animation duration

31) Where does the system stores the web storage?

ANS:-**cookies(not sure)[before Html 5] but for html 5 there are other options also ie. Localstorage, Session Storage.**

32) What is fr in grid?(fr is fractional unit)

a) flexible b)auto c)fixed d)all of the above

ANS:- all.

33) What CSS will do?

a) Format the web content

b) Run the client script even when user turns off the script.

c) & d) I didn’t remember.

**A**

34)What do :focus do?

Select and style an input field when it gets focus

35) Recently datetime is supported in which browser?

**Opera/safari**

36) Webworkers will run until the user terminates it(True/False)

**True**

37) Default value for transform?

**None**

38) Read translate()

**The translate() method remaps the (0,0) position on the canvas.**

39) Read <strong> and <b> tags

**<b> is a style**

**<strong>** however **is an indication of how something should be understood**.

40) What will “longdesc” do?

**The longdesc attribute specifies a hyperlink to a detailed description of an image.**

41) Do HSL supports opacity? (True/False) False ,HSLA support opacity

42) <article> should contains <h1> tags or not (True/False) True

43) Headers will describe the structure of the HTML page(True/False) True

44) Is <section> an independent content? (True/False) true

45) Which among the following is not a non-web content?

a) pdf b)ppt c)XML d)flash b)ppt

Non-Web content occurs in two places; documents and software. When content occurs in a document, a user agent is needed in order to communicate the content's information and sensory experience to the user. When content occurs in software, a separate user agent isn't required - the software itself performs that function.

46) getCurrentPosition () syntax.

Navigator.geolocation.getCurrentPosition(success,errorHandler,options)

47) datetime-local has time zone or not? (True/False) False

48) How to display HTML5 new tags?

Ans: display: block & position: absolute

49) How to spread CSS3 properties over pages?

Ans. By including external Style sheets

50) Recent CSS3 properties have prefixes or not? (True/False) True

51) How to include YouTube videos? (<iframe> & <embed>) <iframe> (<embed> is deprecated).

52) What are the major mobile accessibility issues?

a) Small screens

b) Companies provide specialized browsers

c) Compatibility d) I didn’t remember exactly

a) Small screens.

53) What will WebAccessibilityInitiative (WAI) do?

Ans. It will develop:

-------guidelines widely regarded as the international standard for Web accessibility

-------support materials to help understand and implement Web accessibility

-------resources, through international collaboration

54.What should not be displayed inside link tag?

a. url of the link

b .information of the content in the url etc

Ans. b) information of the content in the url etc

55) keyframes

The @keyframes rule specifies the animation code.

The animation is created by gradually changing from one set of CSS styles to another.

During the animation, you can change the set of CSS styles many times.

Specify when the style change will happen in percent, or with the keywords "from" and "to", which is the same as 0% and 100%. 0% is the beginning of the animation, 100% is when the animation is complete.

56) Plugins are called helper applications (true/false) False

57) onchange accessibility issue

## Affected Browsers

The only browsers affected by this issue are versions of Internet Explorer (the most popular browsers on the internet when combined) and Chrome. So it’s obviously a problem for Windows users. This problem does not affect mouse users, only keyboard-only/screen reader users. Mac users are also not affected.

**The Problem:**

Basically the issue is that many times a developer will have a select input menu with different options, often called a jump menu or drop-down menu, that is tied to the onChange JavaScript event. In the [iCITA: onChange Event Example](http://html.cita.illinois.edu/script/onchange/onchange-example.php) there is a list of links to W3C specifications in the select. A keyboard user would enter the select then use the UP/DOWN ARROW keys to make a choice. The problem is that as soon as the DOWN ARROW is pressed the JS onChange event fires and sends the user to the first option causing a change of context. Go try it yourself in IE or Chrome on Windows. Now try it in Firefox or any browser on a Mac. Firefox makes up for the developers accessibility error by preventing the onChange event from firing until the user’s focus leaves the select. Browsers on the Mac actually open the list of options as if you were clicking the select with a mouse. Browsers on Windows do not open the list of options when using keyboard navigation.

## ALT+UP/DOWN ARROW Workaround

There is a workaround for IE and Firefox on Windows to open the select’s options with the keyboard, the command is ALT+UP/DOWN ARROW. So this is great because a keyboard/screen reader user can now open the list of options and navigate between each, read them all, and then finally press ENTER or TAB to activate their selection which then fires the onChange event. Now the only problem is that this does not work on Chrome :(.

Link: http://pauljadam.com/blog/onchange-event-on-a-select-inputjump-menu-accessibility-problems/

58) TTF browser support

I.E. 🡪 9.0 (The font format only works when set to be "installable".)

Chrome 🡪 4.0

Mozilla 🡪 3.5

Safari 🡪 3.1

Opera 🡪 10.0

all

59) <search> tag is used or what kind of search?

a) site search b)hint search

c) google search

d) text and code search

Ans. a) site search

Column gap defines space between rules of columns? False

60) Svg features

???!!!!!!

61) Which was not indicated in 508?

Ans:Fine for the pvt companies not following the guidelines.

62)Read about grid-col-position

ANS:- Specifies the column position to place a grid item based upon integer location, string value, or column size.

Values

**<integer>**

A value that specifies a grid line in the grid.

**<string>**

A name value that specifies a named grid line.

**<identifier>**

Refers to a named Grid area and computes to a Grid line with the starting edge of the Grid area.

**auto**

Places a Grid item based on an automatic placement algorithm.

63) getCurrent Position() attributes

ANS:- successCallback [in], *errorCallback* [in, optional], options [in, optional]

64) Media queries are

ANS: a.extension of css

b.rendering in diff devices

e.test one or more feature of the o/p devices to which css is to be applied

65) What is the property that defines the notification?

Ans: EventSource

Html5 WEB-SERVER SENTS EVENT

66) Pseudo classes can be embedded with css classes.(T/F)

Ans:-trUE

67) What are new media rich elements?

Ans: < audio>< video>

68) To get the playlist ,can we use track tag?(False)

Ans;-no WE CANNOT

69) Do canvas support JS event handlers?

Ans:-no

70) How to validate url?

a) JS validation

b) validation

c) automatically validated on submit.

d) All of the above.

ANS: **D**

71) When local storage will get affected?(more than 1 option)

a) when manifest file is modified

b)when API cache is updated

c)when user deletes it

d)none

ans;- c)when user deletes it

a) when manifest file is modified

b)when API cache is updated(NOT SURE)

72) Word-wrap

Ans:- The word-wrap property allows long words to be able to be broken and wrap onto the next line.

word-wrap: normal|break-word|initial|inherit;

73) How to define mp3 format for <audio>

Ans:- <audio controls>  
  <source src="horse.ogg" type="audio/ogg">  
  <source src="horse.mp3" type="audio/mpeg">  
Your browser does not support the audio element.  
</audio>

74) Can <audio> have multiple <source> tags.

Ans:yes

75) How to declare image in html?

ANS:-<img></img>

76) Can we give background size in %?

Ans:yes

77) Can we have multiple background images for one element?

ANS;-True

78) Min and max can be applied for date?

Ans:-True

79) nth :last- child valid in pseudo classes

Ans:-(True)

80) How to give telephone no. as input?

Ans:-<input type=”tel”>

79) nth :last- child valid in pseudo classes(True)

Ans :nth-last-child true

80) How to give telephone no. as input?

Ans : <input type=”tel” />

81) What comma represents in media query?

a.And b.OR

ans **OR** (Logical OR)

82) What is not a method to give multiple links?

Ans : ways to find are :

1. <a href="http://google.com" class="button">Go to Google</a>

2. <input type="button" onclick="location.href='http://google.com';" value="Go to Google" /> (instead of location.href, window.location.href can be used)

3. <form>

<button formaction="http://stackoverflow.com">Go to stackoverflow!</button>

</form>

4.  onclick="window.open('example.com','\_blank');"

83) Who first introduced Web Accessability Initiative?

a) United Nation

b) W3C

c) Web Accessibility Content(WCAG)

ans : W3C

84) A set of rules which control the web accessibility WCAG

85 ) @font face:list all the attributes(more than 1 option)

a. font-stretch

b. font-style

c. font-size

d. font-weight

e. font-family

f. src

ans : font-family

src

font-stretch

font-style

font-weight

unicode-range are acceptable

web storage takes place in browser memory? true

Fallback support

86) HTML5 and CSS3 accepts only fonts installed in the user system(T/F)

Ans false

87) What process css3 and html5 follows to support old browsers?

a) help analogy

b) browser consideration

c) graceful degradation

ans : progressive Enhancement

88) How to declare html content?

a.<content type=”text/html”> ans

b. <mime type=”text/html”>

89) In css lang : What can be included?

Ans : font-family , font-size , background – ye toh hai, rest don’t knw. **(we Can put any valid Css style into it’s scope.)**

90) HTML is device independent language(T/F)

Ans : True

91) @font face has fallback?

Ans yes

92) Types of button?

a.<input type=”button”>

b.<input type=”submit”>

c.<input type=”refresh”>

d.<input type=”save”>

ans a and b

93) regarding data transfer.setData( ).

Ans <https://developer.mozilla.org/en-US/docs/Web/API/DataTransfer/setData>

|  |  |
| --- | --- |
| **Events** | **Description** |
| dragstart | Fires when the user starts dragging of the object. |
| dragenter | Fired when the mouse is first moved over the target element while a drag is occuring. A listener for this event should indicate whether a drop is allowed over this location. If there are no listeners, or the listeners perform no operations, then a drop is not allowed by default. |
| dragover | This event is fired as the mouse is moved over an element when a drag is occuring. Much of the time, the operation that occurs during a listener will be the same as the dragenter event. |
| dragleave | This event is fired when the mouse leaves an element while a drag is occuring. Listeners should remove any highlighting or insertion markers used for drop feedback. |
| drag | Fires every time the mouse is moved while the object is being dragged. |
| drop | The drop event is fired on the element where the drop was occured at the end of the drag operation. A listener would be responsible for retrieving the data being dragged and inserting it at the drop location. |
| dragend | Fires when the user releases the mouse button while dragging an object. |

94) On dragging element, which can be dropped?

a. ondragover( )

b. ondropover( )

c. ondrag( )

d. ondrop( )

Ans A and C

95) One element is dragged and it has to be dropped. What event occurs?

a.ondragover( ) – specifies where the dragged data can be dropped.

b.ondragstart( ) – specify what should happen when the element is dragged.

c.ondrag( )

d.ondrop( ) -- When the dragged data is dropped, a drop event occurs

Ans d

Do date tag have any fallback? no

96) Future value of float?

a) top b)bottom c) position d) all

ans d (not sure)

97) <svg> is defined in which language?

Ans: .XML

98) What is the correct syntax for range?

Ans <input type="range" name="points" min="0" max="10">

99) Correct syntax for source

Ans <audio controls>  
  <source src="horse.ogg" type="audio/ogg">  
  <source src="horse.mp3" type="audio/mpeg">  
  Your browser does not support the audio element.  
</audio>

100) getSelect( ) (no such method exists!)

101) Placeholder can be used as initial value or not?

Ans No