

RESPONSIVE WEB DESIGN FUNDAMENTALS

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Final Exam

Final Exam

FINAL EXAM (100/100 POINTS)

CONGRATULATIONS!

Congrats on completing the course and passing the final exam.

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You're ready for your final exam!

Remember:

- The exam is not timed.
- You need a score of 85% or higher to receive a Certificate of Excellence.

Instructions:

- You have **two attempts** to pass the exam. You may press **Save** at any time to save your answers indefinitely.
- When you're ready to submit your answers, press **Check**. You will see which answers you got right or wrong, and your grade will be at the top.
- If your score is 85% or higher, you will receive a Certificate of Excellence automatically.
- If your score is less than 85%, you may go back one more time to try for a passing grade. Take time to study your incorrect answers and reread the course material as needed. When you're ready, revise your answers and press **Final Check**. You'll see a notification whether you've passed or not.

Good luck!

1) Responsive Web Design is best defined as?

Creating a site that scales and reflows to work on multiple kinds of devices with varying screen sizes

Making a site that automatically responds to user form submissions

Designing a website that uniquely fits your client's needs

Building a website that keeps content above the fold no matter what screen size

2) What is a Content Management System (or CMS)?

System to track recipe ingredients for cooking sites

A shared network drive

A system that allows you to check documents in and out

A framework for building websites that allows for easy adding/editing of content across the site

3) Ethan Marcotte defined *Responsive Web Design* as consisting of fluid layouts, flexible media, and media queries. What do the media queries do in a responsive design?

Define support for video, audio and other media within your page

Define conditions under which different CSS will apply (usually tied to the width of the window or viewport)

Define CSS styles that will apply only when the page is printed

Define screen widths that are valid for this design

4) When making images flexible, what CSS properties need to be set for images to scale properly?

width

height and width

width and max-width

max-width , width , and height

5) In order to get a circular shape for an image you can use border-radius , but to get text to wrap around the image following that circular shape you have to set what?

shape-outside: circle()

shape-wrap: circle()

shape-circle: true

shape: circle

6) Media queries can be set up in different ways to respond to screen or viewport size. To get the best performance for small-screen devices, how should you set them up?

Using max-width so you can define CSS that should only apply when the viewport is smaller than the specified value

Using min-width so CSS is only evaluated and applied if the viewport is larger than the specified value

Using exact pixel measurements so you can target each device

Using a unique external style sheet containing only your small-screen styles

7) How would you interpret the following media queries?

<link rel="stylesheet" media="screen and (max-width:720px)" href="example.css">

8) How would you interpret the following media queries?

@media screen (min-width: 720px) and (max-width: 1600px)

9) What unit of measure is best to use for setting the size of type or specifying media queries?

EMs (or REMs)

Pixels

Points

Ciceros

10) Based on techniques used in this course, which is the best method to address performance and user experience when implementing web fonts?

Implementing some font loading technique beyond just adding the resource call

Limiting the number of different fonts used in a design

Styling the fallback web safe fonts, so that if the web fonts don't load, the site will still look good

All of the above

11) What HTML element was mentioned as a good place to start in designing your typography?

h1

p

h1

div

12) What is name for a popular style of icon that is often used to indicate a menu on small screens?

Navigator

Flapjacks

Hamburger

Stripes

13) What is one of the ways context of use impacts navigation design choices?

It doesn't — everything should work the same on small screens and large ones

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☐ Movement—since mobile users are on the go, navigation should be stripped down to only show the most important links

☒ On larger screens with a mouse, exposing links on hover aids in exploration and browsing across the site and can serve as a form of site map accessible from any screen

☐ You should always design for the most common user scenario (often just like your own desktop setup)

14) The `picture` element and `img srcset` attributes camps were both proposals for the official HTML specification. Which won out?

☐ The `picture` element won in a wave of glory

☐ The `srcset` attribute stole the show

☐ Neither one: Flash was so big in online advertising that we use that instead

☒ With a fanfare of hugs, both were adopted, but for different purposes

15) Container queries are a new and evolving idea in responsive web design. What do they do?

☐ They are a way to change styles based on what else is in a particular element (i.e. the container)

☐ Change the behavior of a block of content based on what region this block is contained within

☒ Govern the styles applied based on the size of the containing element, rather than the size of the whole window

☐ Change styles of the page based on what's inside a particular container

16) One way to interpret performance involves an objective measurement of all the assets on a page. What's another aspect of performance that focusses more on the user's experience?

☐ Total performance

☐ Emotional performance

☒ Perceived performance

☐ Incremental performance

17) Which tool in the browser shows a view of each asset downloading in order and showing time and download size of each one?

☐ Audit

☐ Sources

☐ Elements

☒ Network

18) Which assets can usually be deferred or loaded asynchronously during the loading process of a given web page or application?

☐ HTML

☐ CSS

☒ JavaScript

☐ Images

19) How can you increase the performance of your site for people who live geographically far away from where you are hosting your website?

☐ Disable caching

☐ Populate the robots.txt file on your server with a whitelist of country codes

☒ Use a Content Distribution Network, or CDN

☐ Creating country-specific versions of your site and hosting them there

20) Ethan needs to convert 36 pixels to em units. The font-size of his body text is set to 18 pixels. What formula should he use?

☐ 18 divided by 36 (0.333em)

☐ 36 x 0.18 (6.46em)

☒ 36 divided by 18 (2em)

☐ None of these are the correct formula

FINAL CHECK

SAVE

You have used 1 of 2 submissions

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