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Final Exam | Responsive Web Design Fundamentals Courseware | Gymnasium

RESPONSIVE WEB DESIGN FUNDAMENTALS □ Bookmark **■** Bookmarks FINAL EXAM (100/100 POINTS) ▶ Lesson 1: Introduction Lesson 2: Basic Mechanics & Leveling Up **CONGRATULATIONS!** Congrats on completing the course and passing the final exam. Lesson 3: Typography & Layout Lesson 4: Navigation Patterns You really know your stuff! Now show off to your network by sharing your badge on LinkedIn. You can access it right from your Dashboard. Lesson 5: Advanced Enhancement View Your Badge ▶ Lesson 6: Performance Before you go, would you mind taking a sec to fill out our quick survey? Your feedback will help shape future ▼ Final Exam courses and let us know how we're doing. Final Exam Take Our Survey 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 O Designing a website that uniquely fits your client's needs O 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? O 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) O Define CSS styles that will apply only when the page is printed O 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? Owidth O height and width O 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? √ ⑤ shape-outside: circle() O shape-wrap: circle() O shape-circle: true O 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 O 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"> ✓ ● Use the stylesheet "example.css" if a screen is detected with a width of less than or equal to 720 pixels Use the stylesheet "example.css" if a screen is detected with a width of more than 720 pixels Use the stylesheet "example.css" if a color screen is detected with a width of more than 720 pixels O None of the above 8) How would you interpret the following media queries? @media screen (min-width: 720px) and (max-width: 1600px) ✓ ● Use the following styles if a screen width is between 720 pixels and 1600 pixels Ouse the following styles if a screen width is more than 720 pixels Use the following styles if a screen width is less than 720 pixels and less than 1600 pixels O None of the above 9) What unit of measure is best to use for setting the size of type or specifying media queries? OPixels OPoints Ciceros 10) Based on techniques used in this course, which is the best method to address performance and user experience when implementing web fonts? O Implementing some font loading technique beyond just adding the resource call C 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 O All of the above 11) What HTML element was mentioned as a good place to start in designing your typography? O h1 Oli Odiv 12) What is name for a popular style of icon that is often used to indicate a menu on small screens? Navigon O Flapjacks **✓** ● Hamburger O 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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- Final Exam | Responsive Web Design Fundamentals Courseware | Gymnasium O Movement—since mobile users are on the go, navigation should be stripped down on small screens 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 O 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 offical HTML specification. Which won out? ○ The picture element won in a wave of glory O The srcset attribute stole the show O 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) Ohange 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 Ohange 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? O Total performance Emotional performance √

 ● Perceived performance O 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? O Audit O Sources Elements 18) Which assets can usually be deferred or loaded asynchronously during the loading process of a given web page or application? $^{\circ}$ HTML ○ css O 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? O Disable caching O 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
- FINAL CHECK SAVE You have used 1 of 2 submissions

O 18 divided by 36 (0.333em)

None of these are the correct formula

O 36 x 0.18 (6.46em)

√

⑤ 36 divided by 18 (2em)

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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