

Introduction to ITWS
Quiz 1: October 9, 2018

1. Network protocols, HTML & WWW : (20 points, 10 minutes)
 - a. What is DNS and what is it used for? If you have used it, how have you done so? (5 points)
 - b. You are debugging your webpage and need to test it. What IP address would you use? Why? (5 points).
 - c. I am using a browser and want to get a resource from the server. What must my browser do in order for the server to grant my request? Answer in detail. (5 points)
 - d. What is a port and how are they used? Using terminology used in class, how can we describe them? (5 points)
2. HTML & CSS (40 points, 20 minutes)

Instructions to this question are contained in the HTML file in the zip folder you downloaded from LMS.

Quiz 1 – Question 2 – RICHARD PLOTKA

Description

- In earlier assignments, we have created a resume and a website. For this Quiz, you are going to add some specific styling to this instructions page. (HINT: For some answers, you may need/want to change the HTML)
- Place this (or a copy of this) html page in a directory named ITWSQuiz1-*yourname-yourRCSID*.html on your machine. It should be placed in the structure of your site in a logical way – for example, under the iit root.
- For this Quiz – all resources (ie css) may be in the same folder as your quiz html file.
- When complete;
 1. Place your Word document, with the answers, into your quiz1 directory.
 2. Zip up your quiz1 directory including all of your quiz work: making sure all resources including your html page, css, and Word file, etc... are included.

40 points

- Create a css file named ITWSQuiz1-*yourname-yourRCSID*.css and add it to your html file in the head section.
- Add appropriate css to style this webpage as follows;
 1. Add a title to the page saying: "Intro ITWS – Fall 2018 – Quiz 1"
 2. Make the document 11 inches wide
 3. Add a background to your document of #ffe4c4
 4. Apply a default font of Merriweather
 5. Using a width percentage, make the the main block comprise 80% of the total document width, floated to the left with nothing allowed to be next to either side.
 6. Place a 2 pixel solid border around the mainblock with a curved corner
 7. Place a margin at the top of 1/2 inch and background of 255, 192, 203 behind the main block using the hex value
 8. Make all strong text 10% larger than normal, and emphasized text half of the most intense green possible
 9. Add your name to the header of the page in small caps and blue
 - You will need to add a selector to the span tag in the HTML as well
 10. Place a line under the section headers
 11. Make sure the background of the sections is white with a red, dashed curved border
 12. make sure the text fits in the inner box with room (ie does not grow out of the box or crash into the border.
 13. Make the "Quiz 1" text red – this is RPI after all.

Submission

- **Zip** up your quiz1 folder as described above ...
- Rename it to ITWSQuiz1-*yourname-yourRCSID*.zip
- **Submit** it to LMS

Rubric/Grading

- 10 Points — Format/Code style
- 30 Points — Style elements (3 points each)

NOTE: You want your css to style this document so that it looks like the [image](#) provided in the zip file

3. Communications and Networks. (20 points, 10 minutes)

- a. What is crosstalk? (3 points)
- b. If tomorrow you were tasked with designing and building a communications network, with the main requirement being the network had to be able to handle large data

capacities, how would you physically plan to deal with crosstalk? (Answer in complete sentences) (7 points)

- c. In terms of communication channels, what does “channel” mean? (Answer in complete sentences) (5 points)
- d. How would your understanding of channels relate/apply to your answer for part b of this question? (Answer in complete sentences) (5 points)