

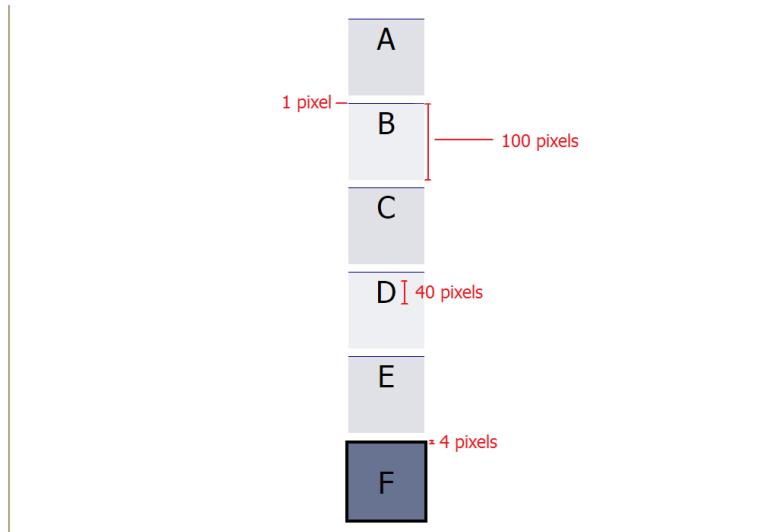
HW1

Due Feb 6, 2023

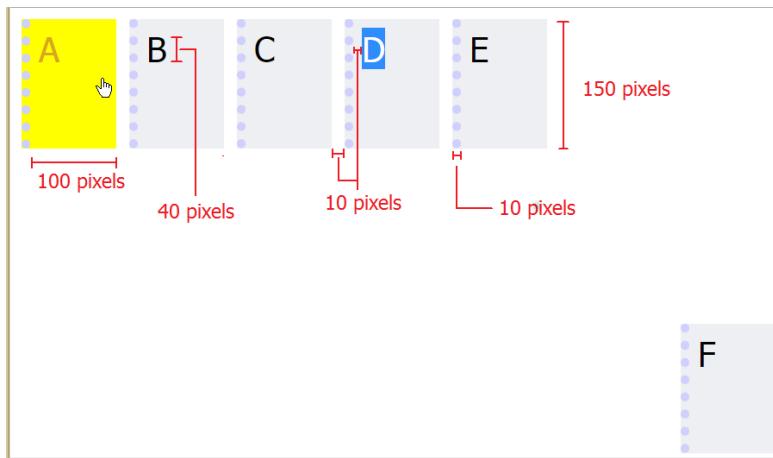
Problem 1 (50 pts)

In this problem, you need to define two HTML files and two CSS files under a folder called problem1. The two HTML files are problem1-firstStyle.html and problem1-secondStyle.html, respectively. In the same folder, create two CSS files, firstStyle.css and secondStyle.css. You link problem1-firstStyle.html to firstStyle.css and problem1-secondStyle.html to secondStyle.css. The contents in problem1-firstStyle.html and problem1-secondStyle.html MUST be exact the same, except for the <link> element.

When I double click problem1-firstStyle.html, I should see something like this:



When I double click problem1-secondStyle.html, I should see something like this:



Note: The D in the picture is highlighted to show you what space the text should occupy. Don't style it with a blue background.

Explanation of the first style:

- The 6 boxes are vertically lined up
- The 6 boxes are horizontally centered and equally spaced vertically (10 px).
- Every box has the same height (100px) and width (100px), with a 1px top border. Text is always horizontally centered.
- You need to figure out the color code using a color picker.
- “F” is centered both horizontally and vertically in the box.
- The font in all boxes should be 40px and Tahoma.

Explanation of the second style

- The 5 boxes are horizontally lined up.
- Box “F” is positioned in the bottom right corner of the window and stays there even when the window resizes.
- A box is 100 px wide and 150 px tall, there is a 10px dotted line on the left side of each box.
- When you mouse over a box, the cursor changes to a hand and the box and font colors change to purple and white, respectively.
- The font is the same as the first style.

Use your best judgement when a property is not mentioned above.

Requirements

- Your HTML file must be a valid XHTML 1.0 document that passes validation at <http://validator.w3.org>. In addition, your HTML and CSS must be clean, readable, **properly indented**, and well-structured (**10 pts**).
- Use the latest Chrome for this project, and for all projects in this class.
- You **CANNOT** use any JavaScript or external libraries/stylesheets. You must write your own code in HTML and CSS.
- Put all four files in a folder with name “problem1”

Problem 2 (50 pts)

Recreate the web page: TCU: Where Should Frogs Eat?



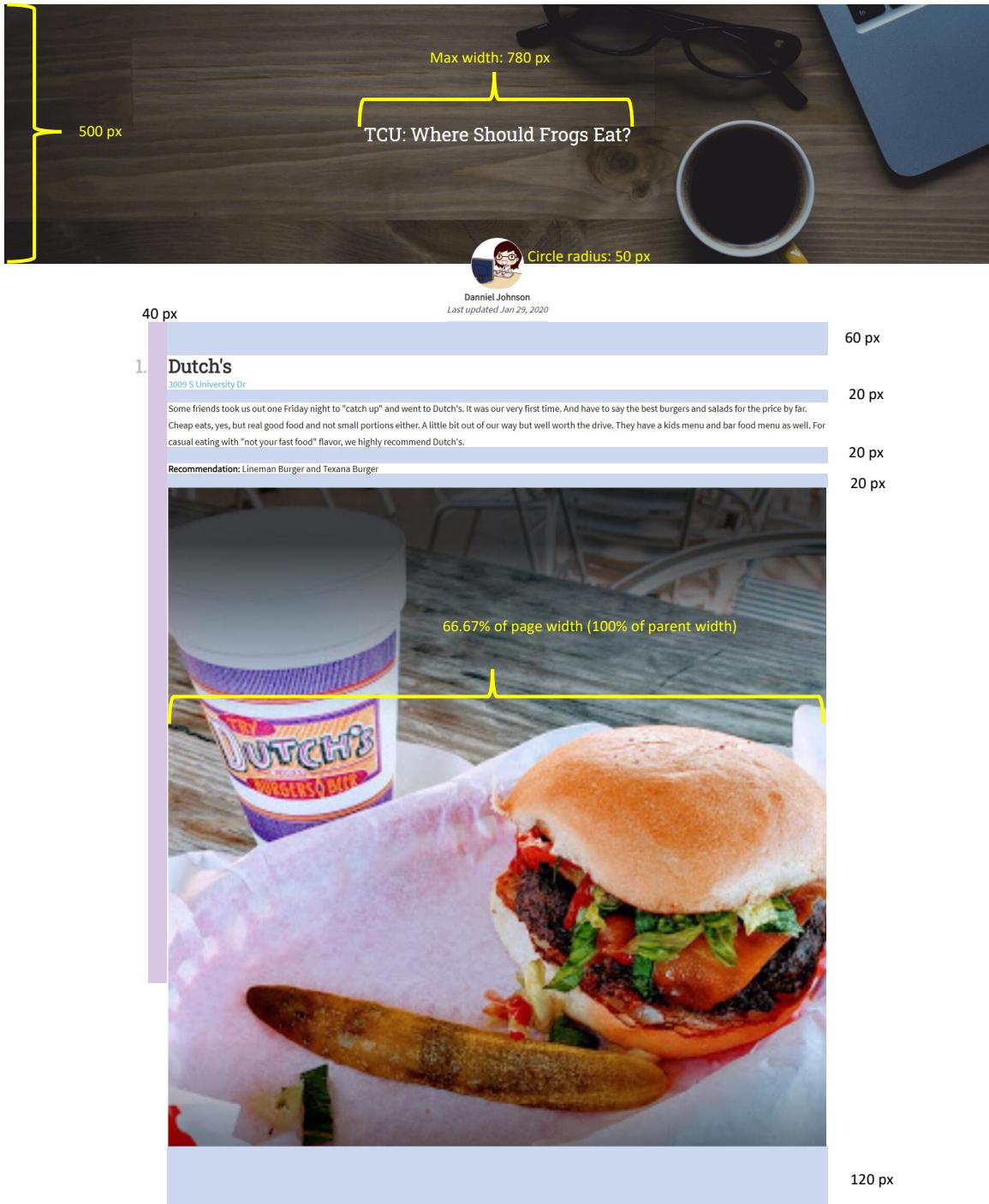
1. Dutch's

3009 S University Dr

Some friends took us out one Friday night to "catch up" and went to Dutch's. It was our very first time. And have to say the best burgers and salads for the price by far. Cheap eats, yes, but real good food and not small portions either. A little bit out of our way but well worth the drive. They have a kids menu and bar food menu as well. For casual eating with "not your fast food" flavor, we highly recommend Dutch's.

Starter code is provided. In the folder, you can find all the images you need, a full-size screenshot of the entire page and a tcu.html file. You need to complete tcu.html file and provide a style.css file under css folder.

Section measurements



Font faces, sizes, and colors

Page title:

TCU: Where Should Frogs Eat?

- The font face is 'Roboto Slab' and the fallback font is serif. This is a Google font. Learn how to use Google font in your project.
- The font size is 36px.
- The font weight is normal (not bold).
- The font color is white.
- The title is vertically and horizontally centered to the header image.

Profile text:

Danniel Johnson

Last updated Jan 29, 2020

-
- The font face is 'Source Sans Pro' and the fallback font is sans-serif.
 - The font size is 18px.
 - The font weight for the author name ("Danniel Johnson") is bold.
 - The font style for the last updated ("Last updated Jan 29, 2020") is italic.
 - The font color is rgb(51, 51, 51).
 - The line height 24px.
 - The gray line under the "Last updated" line is 10px under the text, 2px thick, and the color is #e6e6e6.

Body text:

1. Dutch's

3009 S University Dr

Some friends took us out one Friday night to "catch up" and went to Dutch's. It was our very first time. And have to say the best burgers and salads for the price by far. Cheap eats, yes, but real good food and not small portions either. A little bit out of our way but well worth the drive. They have a kids menu and bar food menu as well. For casual eating with "not your fast food" flavor, we highly recommend Dutch's.

Recommendation: Lineman Burger and Texana Burger

Heading

- The font face is 'Roboto Slab' and the fallback font is serif.
- The font size is 36px.
- The font weight is bold.
- The number's color is rgba(0, 0, 0, 0.25).
- The title color is rgb(51, 51, 51).

Address

- The address under the heading is a link and is described in the Links section.

Paragraphs

- The font face is 'Source Sans Pro' and the fallback font is sans-serif.
- The font size is 18px.
- The line height 32px.
- The font color is rgb(51, 51, 51).

Recommendation

- The phrase “Recommendation:” is bold.

Links

- Each address of the page is a link. The URL needs to be able to link to the restaurant’s website.
- The link color is #42b4d6.
- The link is not bold, and the link is not underlined unless you hover over the link.
- When you hover over the link, the link becomes underlined.

Images

Header image

- The header is a background image (images/header.jpg).
- The background does not repeat.
- The background’s size is set to cover.
- The background position is anchored to the top.
- Its height is 500px.
- There is a semi-transparent color overlay on top of the header image, which is rgba(0, 0, 0, .3)
 - Note: You can achieve this using the following CSS rule: background-image: linear-gradient(rgba(0, 0, 0, .3), rgba(0, 0, 0, .3)), url(header.jpg);

Profile image

- The profile image is images/dj.png
- Its width is set to be 100px.
- It has rounded corners with radius 50%.
- It has a white border that is 1px thick.

Requirements

- Do not use an ordered list element (ol) to create the list layout. There’s nothing wrong with doing this, per se, but it involves some fairly esoteric CSS that we did not cover in class. We recommend you write out the numbers “1.”, “2.”, etc. in the HTML instead of using ol.
- Match the given appearance as closely as possible. It’s fine if your web page is off from our description by a few pixels here and there, but noticeable differences may result in a lower homework score.

- Your HTML file must be a valid XHTML 1.0 document that passes validation at <http://validator.w3.org>. In addition, your HTML and CSS must be clean, readable, **properly indented**, and well-structured (**10 pts**).
- Use the latest Chrome for this project, and for all projects in this class.
- You **CANNOT** use any JavaScript or external libraries/stylesheets. You must write your own code in HTML and CSS.
- Put all four files in a folder with name “tcu-where-to-eat”

How to turn in this homework?

Create a folder called “HW1_Firstname-Lastname” under this folder, I should see two subfolders, problem1 and tcu-where-to-eat.

Zip HW1_Firstname-Lastname and submit to TCU Online.