SENG 4640 - Lab 02 - Advanced HTML and CSS

Beverage Listicle: listicle.html

A listicle is a somewhat trendy type of article that uses a list as its thematic structure.

For Part 1, you will create a listicle web page that describes the "4 on-campus food places you should try at TRU". You should create the web page in listicle.html with styles defined in listicle-style.css.

1. Overall appearance

Here is a miniature screenshot of the website you need to recreate in this lab. This webpage has been taken from a webpage from Stanford university by Victoria Krist in 2017. A full-size screenshot of the entire page (with a screen width of 1280px) is uploaded on Moodle with this lab manual. This image was originally showing beverage places at Stanford University.

Stanford: 4 on-campus beverages you should be drinking

Victoria Kirst
Last updated Apr 7, 2017

1. ## Italian soda at Bytes
   380 Serra Mall, Stanford, CA

   When's the last time you've had an Italian soda? It had been a while for me, but I wanted to join my friend for a non-caffeinated beverage at Bytes and I became reacquainted with the combination of fizzy water and artificial fruit syrup. Italian sodas are not so sweet as a normal soda and not so boring as a flavored carbonated water. The Italian sodas at bytes also have cream in them (or maybe they do if you ask; I haven't tried), which makes it a nice coffee shop alternative for the times when you're feeling a refreshing drink that doesn't have caffeine or milk.

   Recommendation: Raspberry Italian soda

2. ## Bubble tea at Pop Tea Bar
   455 Cambridge Ave, Palo Alto, CA

   When your boba craving strikes, head over to Pop Tea Bar, a cute little bubble tea shop on Cambridge Avenue. The menu is your standard bubble tea fare with nothing too adventurous on the menu — no bubble tea floats, for example — but the tapioca is fresh, the service is fast, and the tea is smooth and delicious! They have little bites to eat too, like popcorn chicken and eggrolls, in perfect snack size portions. There's not too much seating, but there's a cute outdoor area in the back for warmer days.

   Pop Tea Bar isn't exactly on campus, but the Marguerite has got you covered. Ride the 1050A to California and El Camino and it's a short walk from there. (11 minutes total from the Gates Computer Science Building!)

   Recommendation: Classic Milk Tea with tapioca + an order of popcorn chicken.

Note that you do not have to type in the real contents of the page.

- ○ Create a listicle.html file, then add the HTML tags necessary to style the page.
- ○ The images are also in the images/ directory of this lab starter code. However, you can use TRU images.

2. Section measurements

Max-width: 780px

500px

Stanford: 4 on-campus beverages you should be drinking

50px   **100px**

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40px   **66.67% of page width**

60px

1. Italian soda at Bytes

350 Serra Mall, Stanford, CA

20px

When's the last time you've had an Italian soda? It had been a while for me, but I wanted to join my friend for a non-caffeinated beverage at Bytes and I became reacquainted with the combination of fizzy water and artificial fruit syrup. Italian sodas are not so sweet as a normal soda and not so boring as a flavored carbonated water. The Italian sodas at bytes also have cream in them (or maybe they do if you ask; I haven't tried), which makes it a nice coffee shop alternative for the times when you're feeling a refreshing drink that doesn't have caffeine or milk.

20px

Recommendation: Raspberry Italian soda

20px

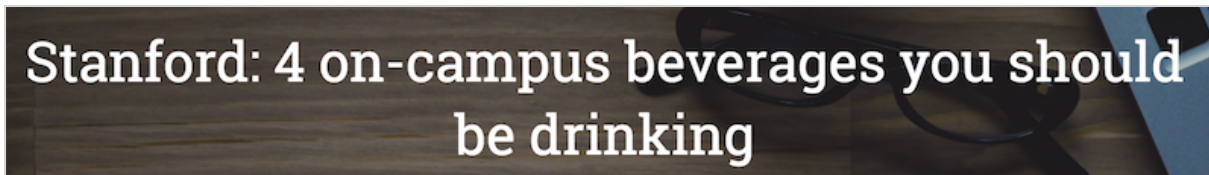**66.67% of page width (100% of parent width)**

120px

2. Bubble tea at Pop Tea Bar

456 Cambridge Ave, Palo Alto, CA

When your boba craving strikes, head over to Pop Tea Bar, a cute little bubble tea shop on Cambridge Avenue. The menu is your standard bubble tea fare with nothing too adventurous on the menu -- no bubble tea floats, for example -- but the tapioca is fresh, the service is fast, and the tea is smooth and

3. Font faces, sizes, and colors

Page Title:

- ○ The font face is 'Roboto Slab' and the fallback font is serif.
- ○ The font size is 36px.
- ○ The font weight is normal (not bold).
- ○ The font color is white.
- ○ The title is vertical and center aligned to the header image.

Profile Text:

- ○ 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 ("Victoria Kirst") is bold
- ○ The font style for the last updated ("Last updated Apr 7, 2017") 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 wide, and the color is #e6e6e6.

Body Text:

- ○ 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: Vanilla Bean Latte

- ○ Recommendation
  - ○ The phrase "Recommendation:" is bold.

4. Links

Here is a description of how links should work on your page:

- ○ Each address of the page is a link. The URL for each link is listed in listicle-content.txt.
- ○ 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.
- ○ Hints:
  - ○ To remove an underline, you can use CSS property text-decoration: none;
  - ○ To add an underline, you can use CSS property text-decoration: underline;

5. Images
- ○ Header image
  - ○ The header is a background image (images/header.jpg).
    - ○ **Note:** To reference the image from the css/ folder, the path needs to be ../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(../images/header.jpg);

○ Profile image
  ○ The profile image is images/vrk.png
    ○ **Note:** To reference the image from the css/ folder, the path needs to be ../images/vrk.png
  ○ Its width is 100px.
  ○ It has rounded corners with radius 100%.
  ○ It has a white border that is 1px thick.

HTML and CSS style requirements

For full credit, please abide by the following:

○ **Use HTML and CSS we've learned in class.** You should be able to complete this homework using HTML and CSS we've learned in class through lecture 6 / Apr 14. While you are not strictly forbidden from using HTML/CSS we haven't talked about in class, if you use it incorrectly or if you make poor stylistic choices, you may be marked down.

○ **Do not use JavaScript**. There's no need to use JavaScript in this assignment.

○ **Respect Separation of Concerns**. Your HTML should describe the content of your page, and your CSS should describe your page's appearance.

○ **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.

○ **Follow the best practices** that were described in lectures.

○ **Reduce redundancy in CSS.** Try not to have too many redundant styles, if there are ways to use inheritance or special selectors to concisely define style rules.

○ **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.

○ **Use descriptive names, consistent spacing,** and otherwise follow good code hygiene.

○ Must correctly use display: flex at least once.

Optional

○ **"Parallax" Effect:** This is a trendy style where the background of a page is moved at a different speed than the foreground content while scrolling. In its simplest form, the background image stays in the same place as the page scrolls. Try implementing the parallax effect using CSS! You can check out this W3Schools demo to see how it works. Inspect the elements to see what CSS they use to get this effect.
  ○ Note: The example linked above is simple but not actually best practice. You can check out this article to try a more sophisticated implementation.

○ **CSS animations:** When the real Squarespace demo loads, notice how the text animates in. We don't talk about how to do that in this course, but if you want, try experimenting with some CSS animations on your page.

Marking Schema

Feedback Table			
Question	Max Marks	Marks and/or deductions	Comment
Overall Appearance	20		
Section Measurements	15		
Font Styles	20		
Links	10		
Images	15		
Code quality	20		
Total	100		