CSC309H5 Winter 2016

Assignment 1: Multi-Style Online Menu

Due date: Jan 25, 2016, 10:00 PM

Work in groups of 2 students

In this Assignment, you are a web developer whose job is to create a web page for a restaurant's menu. To satisfy your customer, you need to create two web pages with the same content but two different styles, namely Style A and Style B.

General Information:

- The restaurant has a name, which is for you to decide.
- There are in total 16 dishes on the menu. 8 dishes belong to the lunch menu, and the other 8 belong to the dinner menu. Each of the dishes has the following information.
  - Name of the dish: the length of the name is between 3 and 6 words.
  - A picture of the dish: an image file for each dish
  - Price the dish: for example, "$10.99"
- You may decide the name, price and picture of each of the 16 dishes.
- The dish names you choose must be of various lengths.
- Each image file's size must be smaller than 50KB.

As a professional web developer / designer, you will have to satisfy all following requirements from your customer, even some of them may be against your personal taste of style.

Requirements: General

- You will write one **single** HTML file (**index.html**) and two CSS files (**style-a.css** and **style-b.css**). The index.html uses "**style.css**" as stylesheet which could be copied from either **style-a.css** or **style-b.css**.
- You may use Google Fonts (https://www.google.com/fonts) to get access to the fancy fonts, for which you need to include another css file hosted by Google.
- Style A has a layout roughly depicted in Figure 1.
- Style B has a layout roughly depicted in Figure 2.
- Your HTML must be validated at the MarkUp Validator: https://validator.w3.org/
- Your CSS must be validated by the CSS Validator: http://jigsaw.w3.org/css-validator/
- No Javascript is allowed.

- You may add additional features beyond the requirements to make the page prettier, but your additional features must NOT violate the existing requirements.
- You must NOT use the <table> tag.

Requirements: Style A

- The web page's background can be light grey or some other light colour.
- The two blue blocks in Figure 1 must be of round corners.
- The two blue blocks must have some light–colour background (you can decide the concrete colour) and dark borders .
- All dish names must flush to the left; all prices must flush to the right.
- The two heading words "Lunch" and "Dinner" must be underscored.
- When the mouse hovers over a dish name, that dish's picture is displayed at the yellow block in Figure 1; when the mouse hovers off the dish name, the picture is hidden.
- All displayed pictures must be of the same dimension, and at the same position (the yellow block).
- The restaurant name and the words "Lunch" and "Dinner" are of the same font (but different sizes), the dish names must use a different font.

Requirements: Style B

- The web page's background must be plain white.
- All coloured blocks in Figure 2 have plain white backgrounds, and are borderless, i.e., the boxes are NOT visible when the web page is displayed.
- The words "Lunch" and "Dinner" have the same font as the dish names; the restaurant name must use a different font.
- The number of dishes in each row must **adapt** to the browser's width, i.e., each row displays at most 4 dishes; if the browser's width is not big enough to display 4 dishes, the layout will automatically change to 3 dishes per row, 2 dishes per row, or 1 dish per row. The number of rows will change accordingly, e.g., if each row has 3 dishes, then the 8 lunch dishes will display in 3 rows with 3, 3 and 2 dishes, respectively.
- There must be proper spaces between the boxes, as depicted in Figure 2.

Submission Checklist:

- Make your groups on MarkUs
- Each group will submit a Zip file named **a1.zip**, **with and only with** the following file in it:
    - readme.txt with the following information
        - Both members' names and UTORIDs
        - Any requirement that you think that you did NOT meet.
        - Any additional features that you added beyond the requirements.
    - index.html
    - style-a.css
    - style-b.css
    - img: a directory with 16 images of delicious dishes.
- The total size of **a1.zip** must be smaller than 4MB.

Evaluation:

- The TA will do the following
    - unzip a1.zip; cd a1
    - cp style-a.css style.css; open index.html
    - cp style-b.css style.css; open index.html
    - look at your readme.txt and your source files
    - The TA will use the latest version of Google Chrome as browser.

- You mark will be given according to the following criteria:
    - Has all requirements been satisfied property.
    - Every feature is implemented in the principled way, rather than done by using some kind of hack or workaround.
    - Correctly organized structure in the HTML and CSS files.
    - Coding style: proper indentation and use of white space in the source file; code readability.
    - Whether the code conforms to the HTML5 standard.
    - The overall appearance of your web pages. Since different people see beauty in different ways, we will focus more on the non-subjective parts of the appearance such as whether things are properly aligned and spaced; or something that is uncontroversially beautiful / ugly.
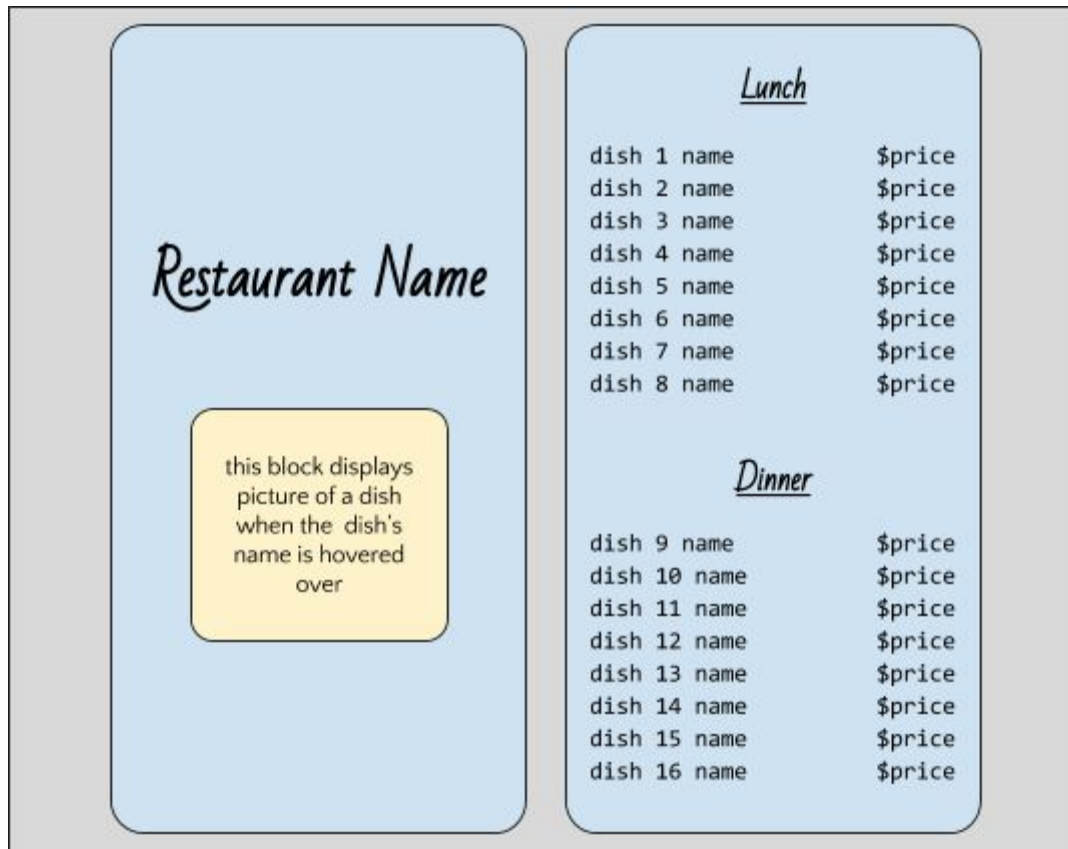
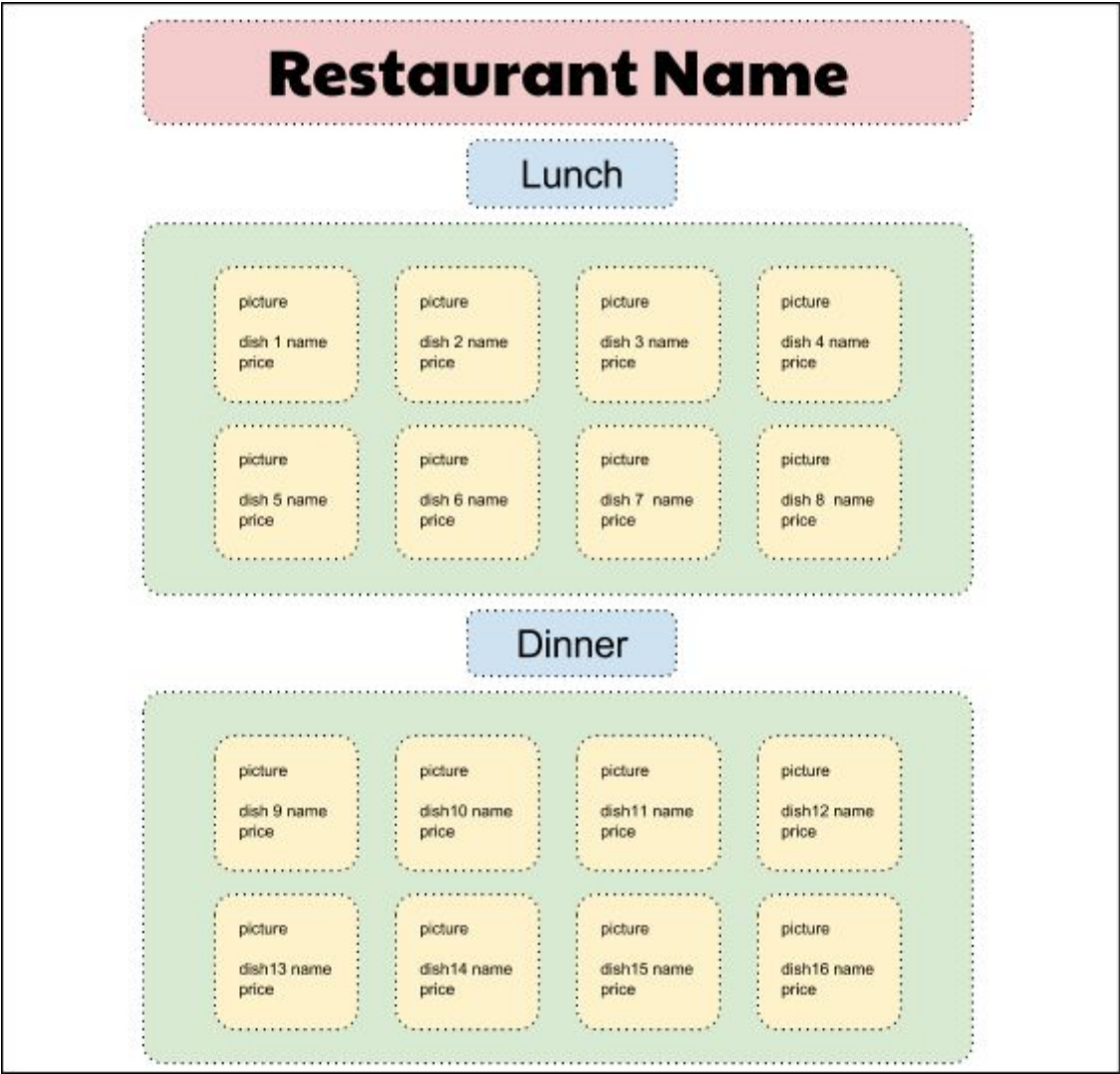**Have fun!**

Figure 1: Style A Layout

Figure 2: Style B Layout