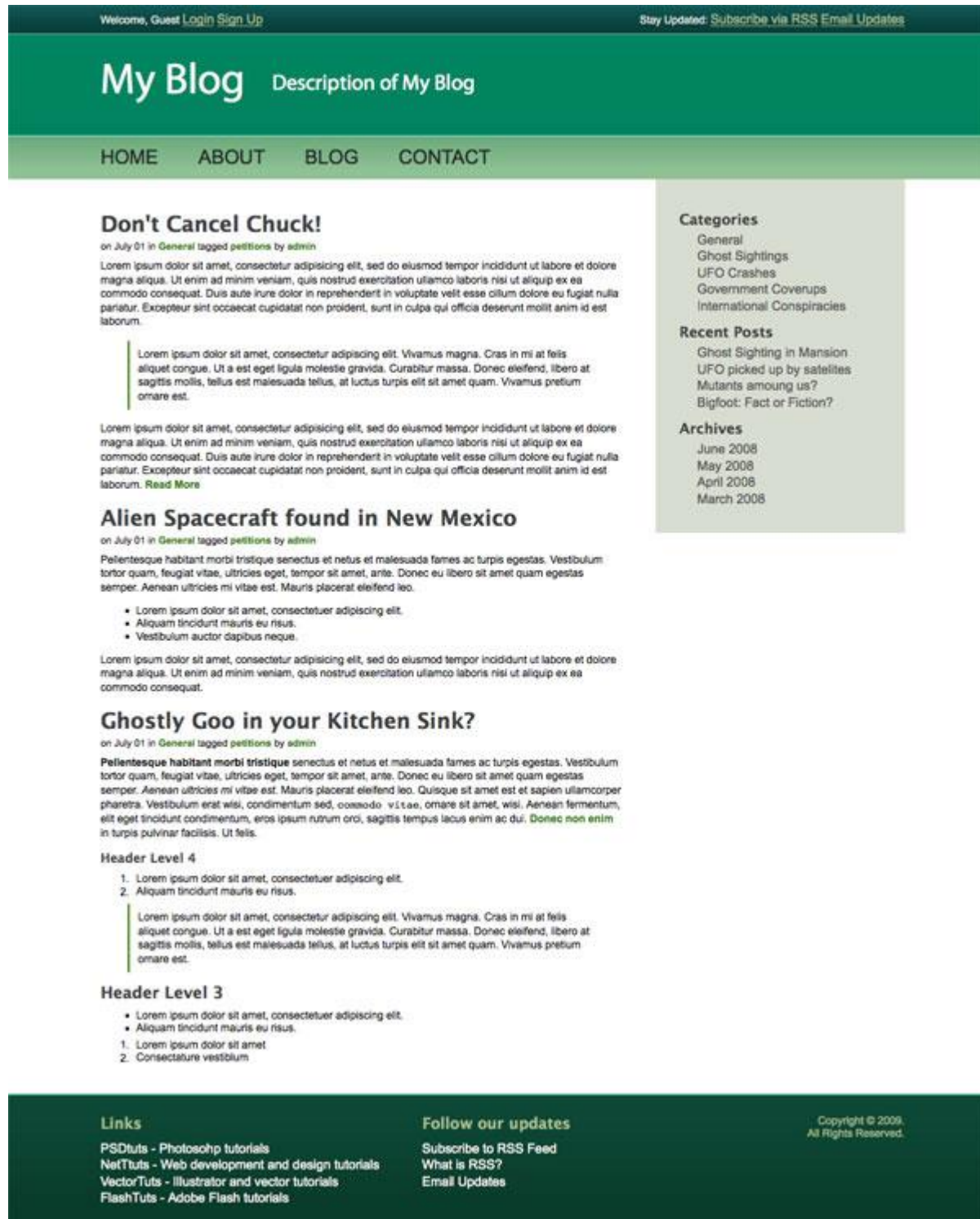


## Principles of Web Development

## Mini Assignment 5

Due: March 10, 2022 at 11:55 PM on myCourses

Using Responsive Design and Single-Paged website Design with HTML, CSS and JS construct a **variation** of the following web page (**it won't look exactly the same**):



Create only this single web page. Call it `blog5.html`.

Do not do the following:

- You are **not permitted to use Bootstrap, or Vue.js, or any 3<sup>rd</sup> party library**
- You are not permitted to use Java Applets
- You are not permitted to use Flash
- You are not permitted to use **additional libraries**
- You are not permitted to use additional templates
- Do not simply copy and paste your code from a previous assignment.

You are permitted to use:

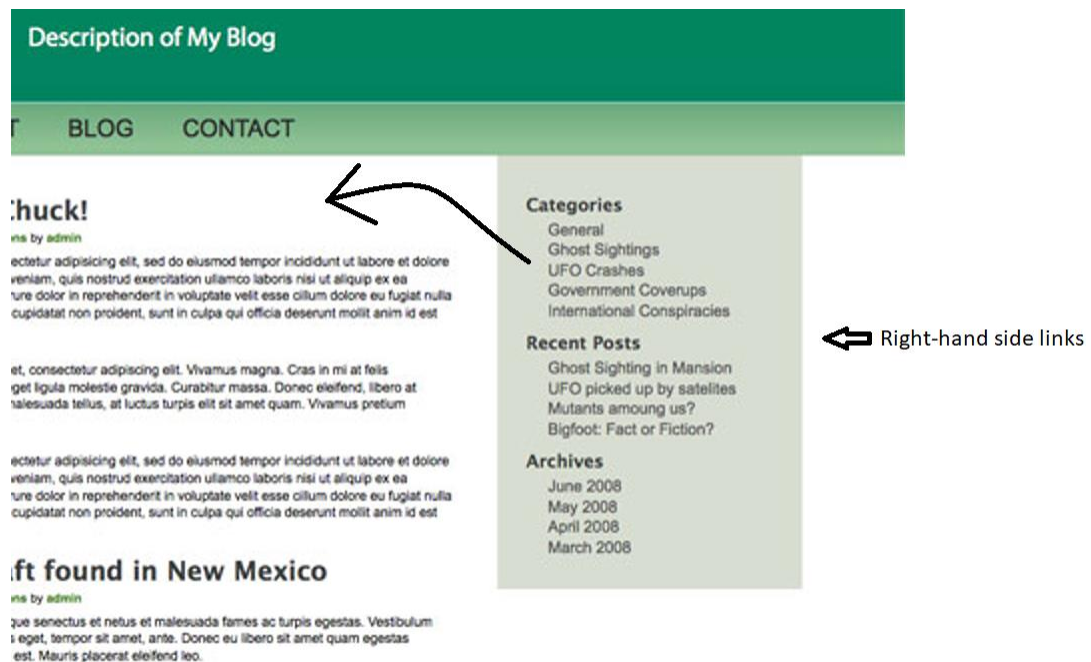
- You can use Basic HTML (you can use `<table>`)
- You can use HTML5
- You can use HTML style attribute
- You can use CSS
- You can use JavaScript

This assignment asks you to do the following:

1. This webpage must run on the **mimi** server under your `public_html` directory. This webpage will make an **AJAX** call to a TXT file called `contact.txt`.
2. Create a responsive single-page webpage that supports phone, tablet, and PC browser page sizes:
  - a. Decide on the three different page sizes you will support. I suggest you do some research to find out what page sizes are commonly used to make this more realistic. You **must** use the 12-column grid layout method described in class.
  - b. Always display the page header and footer but in a responsive way. It is important that all the information from the header and footer is always shown. You are permitted to force a minimum page size, if you think that will be useful in your implementation. You are permitted to change font sizes responsively, if you think that will be useful in your implementation (but keep proportions).
  - c. The top menu is responsive. In PC and Tablet sizes the menu should move to fit the size of the screen. In phone size, the top menu must become a “hamburger”. The hamburger can be on the left or right side of the page, but it must stay in the top navigation area. The hamburger displays a dropdown of menu selections. The only library you are permitted to use is the one shown in class that displays the hamburger. You cannot use anything else from the library other than the hamburger.
  - d. Make sure the content area displays well in all three formats.
  - e. In the phone size version remove the right-hand-side list of links and add an additional menu item to the hamburger menu which the user can select to view the side links (see #2 below about single-paged websites for more information). Call this extra menu item “Links”.
3. This is a single-page website. Therefore:
  - a. The content area of the website will be divided into `<div>` sections: the Don’t Cancel Chuck section, Alien Spacecraft Found in New Mexico section, Ghostly Goo in your

Kitchen section, Links on the right-hand-side section, and an additional section will be added for Contacts.

- b. The right-hand-side list of links (see image below) always appears on the right-hand side except in phone size. In phone size an extra menu item called “Links” is added to the dropdown menu. When “Link” is selected, the list-of-links is displayed as a regular content division and not as a side bar. In other words, the sidebar does not float right. Instead, it is displayed in the same way as all the other information are displayed (on the left-side of the page). This only happens in phone size mode.



- c. “Home”/Landing Page only displays Don’t Cancel Chuck section.  
 d. “About” only displays Alien Spacecraft Found in New Mexico section.  
 e. “Blog” only displays Ghostly Goo in your Kitchen section.  
 f. “Contact” uses an AJAX call to a TXT file named `contact.txt` that contains the following information, which must be displayed as a new <div> on the page.
- Owner: M. Believe UFO
  - Email: [contact@theyareamongus.com](mailto:contact@theyareamongus.com)

#### Notes:

- Some of the text is “lorem ipsum”. This is fake words to take up space. Many web developers use this to help them style their website before populating their final version with real information. You can use lorem ipsum as well. You can use this website: <https://www.lipsum.com/>, to generate lorem ipsum text.
- If there are parts of the webpage that you can read in English, then please use those words in your submission.
- Many links: underlined text, bold green text, menu on the right, and links at the end of the

web page. These must be functional links. They should point to random internet web pages but attempt to point to pages that are vaguely under the same theme.

- See the marking scheme for more details on how close your web page should be to the sample page.
- Make sure the above web page displays on your browser. This is a Server Webpage. It must run on **mimi**. You and the TA must be able to run this page from:  
`www.cs.mcgill.ca/~yourusername/mini5/blog5.html`.

## FOR THE GLORY

The following GLORY challenge is for those of you brave souls who like doing extra work for no grades. BUT! you can brag to your friends about your programming skills!!

Change the TXT file into an XML file. Then parse the XML file in your JS using the get tag function. Display the information on the screen as described above.

More glory: make the async JS function invoke a PHP script that writes an XML response payload that is then parsed using the JS get tag function and displayed on the screen as described above.

## WHAT TO HAND IN

- The `blog5.html` webpage and `contact.txt`. ZIP the files, since myCourses does not accept HTML as-is.
- `README.txt` stating which browser you used. Your solution only needs to work on a single browser, so please tell us which one you used.
- Make sure to place all your CSS and JS in the single file `blog5.html`.
- The only library you are permitted to use is the one shown in class to display the ham burger.
- **This IS a responsive webpage, BUT you cannot use libraries, templates or bootstrap.**

## HOW IT WILL BE GRADED

This mini assignment is worth 20 points and part marks can be awarded.

Deduction points:

- -3 for not following instructions
- Late penalty points
- Assignment will not be graded if the student did not use the 12-column grid display method
- Assignment will not be graded if the student used a library or template
- Assignment will not be graded if the student used more than one HTML file

Awarding points:

- +5 12-column grid display method
- +5 Async call, display, and processing of contact.txt
- +5 hamburger menu with additional menu item
- +5 display and hiding of all the <div> content