BCIT

Mobile Web Assignment

This assignment will be done in pairs of two individuals. Partners will be selected randomly by your lab instructor.

The purpose of this assignment is intended to familiarize you with Mobile Web apps that are generally lightweight and simplified.

Background

Your second assignment is to develop a website using Bootstrap 3.0 for Marina's coffee shop.

Marina Santos is the owner of the Marina Café in Kelowna BC, a gourmet coffee shop that serves snacks, coffee, tea, and soft drinks. Local music performances are held every Thursday night. The customers of Marina Café are mainly college students and young professionals. The Café has an old-fashioned website and Marina wants to a face lift as follows:

- All functionality of the old site is to carry over into the new modernized website
- The new website should look more modernized
- The site should work equally well on mobile and desktop computers

NOTE: Download a zip file named **performers.zip** which contains pictures of the performers shown in the performers page below.

Currently

The present website looks like this:

The Home page:

Figure 1

The Menu page:

Figure 2

The performances page:

Figure 3

The Jobs page:

Figure 4

These are the input field names that you must use on the jobs page form:

Label	Input Field Name
Name	name
E-mail	email
Phone	phone
Bar Associate	bar_associate
Server	server
Cleaning & Maintenance	cleaning_maintenance
Manager	manager
Employment type	employment_type
Years of experience	years_of_experience
Comments	comments

Requirements

Your solution must not look exactly like the current old-fashioned site. You are **encouraged** to go wild with your imagination and creativity. However, your solution should conform to the following basic requirements:

- Some artifacts that are not useful in a mobile environment can be made hidden in mobile devices and visible on desktop devices. For example, if you decide that a specific banner is not useful in the mobile context, then only show it on your desktop version and hide it on the mobile version of your website.
- Use the new HTML5 semantic elements like *header*, *section*, *article*, *nav*, *aside*, and *footer*.
- You are not allowed to use *<table>* tags anywhere in the web application.
- Create a transparent logo for Marina Café that matches the hip audience that Mrs. Santos wishes to attract to her eatery. You are free to create any design that you see fit. The name "Marina Café" must be inscribed on the logo.
- You can use any fonts and colors you like provided there is consistency from one page to another
- Marina Santos is concerned that her email may be harvested by spam engines. Therefore, her email address must be coded in such a manner that it is not easily harvested by spam engines.
- Marina Café provide free parking at the rear entrance of the establishment and free WIFI for their customers. You shall add a blurb about these services on the home page.
- You must use relative addressing for all your internal page links
- The main home page must be named "index.html".
- All web pages must conform to the HTML5 standards.
- The Jobs page will contain a form (as shown in figure 6) that will post to a non-existent page named **job_applications.php**. We will develop this page when we start learning PHP during the second half of this course.
- The 'Job Application Form' should scale relative to the device, in landscape or portrait mode on a phone, or on the standard desktop
- Your solution will be tested by resizing the web page from a desktop width to a standard smart phone width.

- The "Years of experience" drop-down-list contains the following options: No experience, Less than 1 year, and More than 1 year
- Validate your web pages at http://validator.w3.org for HTML5 compliance
  You must hand code the HTML and CSS. You are not allowed to use any IDE such as "Dream Weaver".
- Use external style sheets for all your styling.

Submission

1) The folder that contains your entire website must be named *LastName1_LastName2*. Example: Jones_Baker for students Ann Jones & Tom Baker.

2) Include a *readme.txt* file in the root of your web site. The *readme.txt* file must include the following information:

   1. Your *names, student numbers, set* and *email* addresses
   2. What you have completed
   3. What you have not completed
   4. Any major challenges

3) Your submission consists of a ZIP file named: "*StudentId(1)_ StudentId(2)_set_assign02.zip*". (example: *A00123123_A00234234_1B_assign02.zip*). Any other file compression standard like .rar, .7z, etc… will not be accepted. Only the *.zip* standard is accepted.

4) Each team must make only one submission. If you make more than one submission then you should use the same file name and clearly version the file by adding _v2, _v3, etc..

5) Your *ZIP* file will include all directories and files comprising your entire website. This includes all images, html, and CSS style files.

6) Submit your ZIP file into your lab's D2L dropbox folder for Assignment #2.

COMP1536 Assignment 2 marking guide:

Name 1: _____   Set _____

Name 2: _____

Task	Max Mark	Actual Mark
Web site suitability for both desktop and mobile devices • Bootstrap 3.0 used • lightweight imagery targeting mobile devices • solution adjusted for portrait/landscape device rotation • Works well on mobile and desktop devices	6	
Requirements fulfilled • four pages • form posts to job_applications.php • blurb about parking & WiFi • readme.txt file included • proper submission file name • No <table> tags • Marina Café transparent logo • Blurb about free parking and WIFI	8	
Job application form • Layout looks good • Form element names as prescribed • Form posts to job_applications.php • Scales well on desktop & mobile devices to portrait & landscape	2	
Best practices • external style sheet • relative addressing • every page has a title • images and CSS in dedicated folders • home page is index.html • Email not easily harvested by spam engines	2	
HTML5 • Conformance to HTML5 standards • Appropriate use of HTML5 sematic tags	2	
TOTAL:	20	

If your submission does not comply with submission rules then you will lose 10% of the mark.