

# The University of the West Indies Cave Hill Campus

Faculty of Science and Technology Department of

Computer Science, Mathematics and Physics

SWEN1005: Mobile Web Programming Laboratory Exercise One Web Standards - HTML

## **INSTRUCTIONS**

- 1. This laboratory exercise seeks to introduce students to the more common elements used in HTML and CSS their attributes.
- 2. By the end of the lab you should have created two responsive web pages.
- 3. What is to be created:
  - a. An HTML text document containing the completed and validated HTML and CSS for "MyResume.html"
  - b. A folder including the resources used for "MyIslandHome" and the HTML file.

# Part One - My Resume

Create an HTML document called "MyResume.html" that gives your information and displays in your browser like the sample shown below. To do this, you will need to use HTML tags like those below, which you can play with at w3schools before including them in your page:

- <hr>
- <a href="mail...>
- <u>
- / <br>

Note that you are not restricted to using only these tags.



Seeking position of a Software Engineer at Rowy Network where I would be able to put to use the knowledge gained in the software development cycle and technical aptitude.

#### SKILLS

- · Capability to analyze and design user interfaces and databases.
- · Providing support to legacy systems and taking back-ups from parallel systems.
- · Complete web development knowledge from layers, database to creating user interfaces.
- · Creating policies for software development cycle and putting in place procedures.
- Managing multiple projects across locations.
- · Providing all types of computer support.
- · Adaptable to changing technical needs and high analytical skills.

#### COMPUTER SKILLS

- Languages: BASIC, VBA, Pascal, Turbo C, COBOL.
- . Operating Systems: MS XP, MS Vista, SCO UNIX, MS DOS
- Hardware: SIMM Chips, Installation of Motherboards, Internet/external moderns, Printer configurations, SCSI, NIC and IDE Hard Disks, Floppy Drives.

## PROFESSIONAL EXPERIENCE

Executive Technology Services – Sacramento, California 2009: Present

#### Software Engineer

- Acted as a web developer creating user interface for supporting parallel systems and other trading enquiries.
- Engineered in the creation of a new customer account system.
- Developed and later implemented a new feedback system for users where complains could be lodged regarding functionality, defects and bugs in a software.
- Used coding skills such as JN/S, AJAX, XML, XSL and Java.
- Tearmed up with the inhouse development tearn for the creation of a new banking software interface
  which created cases and insured that these were present in parallel systems.
- Provided coding support using popular languages such as ASP.NET, Oracle 9i and Server.

Truecom Software Solutions - St. Petersburg, Florida

Your resume should be adaptive to mobile devices as well as desktop computers.

# Part Two - "My Island home" - LAYOUTS

Resources:

http://www.w3schools.com/howto/howto css table responsive.asp

## http://www.w3schools.com/html/html layout.asp

1) Using the resources above and others from w3schools build a mobile responsive page called *MyIslandHome.html* that is designed and laid out similar to the one shown below that describes your island or country with graphics and features as shown. Use the layout shown below. Use the <u>CSS Flexbox</u>, do not use the table element to layout the page. However you may use a responsive table for *some* of the content only if it is appropriate.



# **About Barbados**

Barbados is a coral island, pushed out of sea by volcanic activity in a far away time. On the West Coast of Barbados coral shore beaches of fine white sand stretch along a blue-green sea. Coral reefs fringe the Barbados shoreline to provide excellent snorkeling and Scuba Diving. Along the East Coast a lively surf is blown briskly by the strong and constant trade winds and the waves pound against a rocky shore. The constant breezes of the trade winds give Barbados a mild and pleasant tropical climate.

## Ratings of Attractions

Attraction Gun Hill Signal Station: click image	Description Gun Hill Signal Station is located in the parish of St. George and provides a magnificent and captivating view of the entire island! It is the finest of a series of signal stations built in 1818.	Rating 4/5
Welchman Hall Gully: click image	If you like nature, hiking (at any level), plants, culture and natural history, then Welchman Hall gully must not be missed. The tranquil feel of the gully will instantly strike you. It is a place where you can experience a piece of nature and imagine what the island was like 300 years ago.	3.5/

- 2) Please note the following:
  - a) Use links to other pages of content as shown above with the underlined text in the paragraph.
  - b) Each picture should be a link to more information on the attraction in the table.
  - c) The table font is Arial.
  - d) The general font is Times New Roman.
  - e) The font sizes are at your discretion, however, they should have relative dimensions similar to the page above.
  - f) Include a link at the bottom to the page where you researched most of your information as a reference.
  - g) Create an image for your banner at the top using Microsoft Paint or other similar program.
  - h) Avoid using lines for your borders unless you strongly believe it adds to the aesthetic beauty of the page.
  - i) Include at least 4 attractions in your webpage.
    - i) One should be able to click through on all links including the images for the attractions, which should take us to the home page for the attraction
  - j) Submit MylslandHome.html to the HTML validator at http://validator.w3.org.
- 3) Remember, your page must render well on both mobile devices and desktop computers.

Today knowledge has power. It controls access to opportunity and advancement.

Peter F. Drucker