



**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 Two  
Web Standards - HTML

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## 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="mailto:...">
- ✓ <p align= ...>
- ✓ <u>
- ✓ <ul> ... <li>
- ✓ <br>

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



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/howto/howto_css_table_responsive.asp)

[http://www.w3schools.com/html/html\\_layout.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 [CSS Flexbox](#), **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	Description	Rating
<u>Gun Hill Signal Station</u> : <a href="#">click image</a> 	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.	4/5
<u>Welchman Hall Gully</u> : <a href="#">click image</a> 	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 ***MyIslandHome.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*