



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
My Consultation Website

INSTRUCTIONS

1. This week we will use HTML and CSS to create a mobile responsive website advertising ourselves as “mobile responsive website experts”. Our target market is small businesses offering products or services to their local community, for example lawyers, farmers (arable or pastoral), tailor, etc.
2. We are offering the conversion of their existing website to a sleek mobile responsive website, which will take full advantage of new HTML5 tags and CSS techniques.
3. This lab will incorporate the previous labs we completed. You are required to create a four page website to include:
 - a. “My Resume”
 - b. “My Island Home”
 - c. “My Mobile Apps”
 - d. **“My Homepage”**
4. Since we have already created the content for the other pages the only major tasks for this lab will be to:
 - a. Create a Homepage.
 - b. Provide full navigation throughout the site.
 - c. Use “Grid View” and “@media” to ensure that all pages are not only mobile responsive (as opposed to adaptive) but are presented differently based on device or browser width.
 - d. Create an external stylesheet to control and styles on all your pages and provide a level of consistency across your site.

We have already created **“MyResume.html”**. Which means the content is there. The aim now is prepare it for inclusion to your website. Remember the guidelines from “Session Four” and ensure that you allow them to guide you as you prepare this page. You can feel free to modify the design of the page to differ from the sample given but keep in mind that you are advertising yourself as a mobile responsive website expert. Your resume, although not fictitious, should give the viewer confidence that you can get the job done.

Part Two - “My Island home”

“MyIslandHome.html” provides information to your viewer about your country or island but this page is really a chance for your viewer to get a sense of how you will handle a graphic intensive page. You are required to use [CSS Flexbox](#), not for your page layout this time since you are using Grid View but certainly for the content. You do not need to modify your content but be sure to follow the guidelines discussed in “Session Four”.

Part Three - “My Mobile Apps”

“MyMobileApps.html” is a webpage to introduce your viewer to your mobile application development skills. On this webpage you will:

- ✓ Describe the different categories of mobile applications available, briefly outlining the advantages of each.
- ✓ Provide a brief description of the mobile apps you created as well as a link for the viewer to download the .apk file (your link can direct the viewer the file in your dropbox for example).
- ✓ On this webpage you will also list the services you can provide and a cost.
 - Convert an existing 3 page website to a mobile responsive site - \$99 USD
 - Convert an existing 5 page website to a mobile responsive site - \$149 USD
 - Create a mobile application:
 - Native: \$999 - \$1999 USD based on the platform
 - Web-based: \$499 - \$999 USD
 - Hybrid: \$999 - \$1999 USD based on the platform
- ✓ Remember your page uses Grid View and be sure to follow the guidelines discussed in “Session Four”.

Part Four - “My Homepage”

“MyHomepage.html” is the index page, it is the first page your viewer sees when they visit your site, as such this page must be aesthetically pleasing and at the same time follow all the guidelines outlined in “Session Four”.

Feel free to get ideas from either of these two websites:

<https://www.themuse.com/advice/35-more-of-the-best-personal-websites-weve-ever-seen>

<https://blog.hubspot.com/marketing/best-personal-websites#sm.0001h5orqb178eebfurigg3kqc29c>

Requirements

You are required to use the following tags and techniques (but do not be limited by them feel free to use whatever other tags or techniques you need to use):

- ✓ <meta name="viewport" content="width=device-width, initial-scale=1.0">
- ✓ Use an external stylesheet
- ✓ Follow all the guidelines of “Session Four” for each page
- ✓ Use semantic elements
- ✓ Avoid the use of tables
- ✓ Use a 12 column grid view for each page as discussed in class.
- ✓ Use the Media Query to present your pages differently on
 - a mobile phone – 5.1 inch
 - tablet – 7.1 inch
 - tablet – 10.1 inch

- laptop/ desktop – 19 inch and over

Here are some sample screenshots of a created page:

