

Lab 7 Grid, Media Query, Table, Project Initialization [20 points]

Objectives

- Configure multiple-column page layout using CSS.
- Configure the website for display on mobile devices
- Create tables on web pages
- Use CSS to configure HTML tables
- Practice website design
- Make good site map
- Create proper page layout design

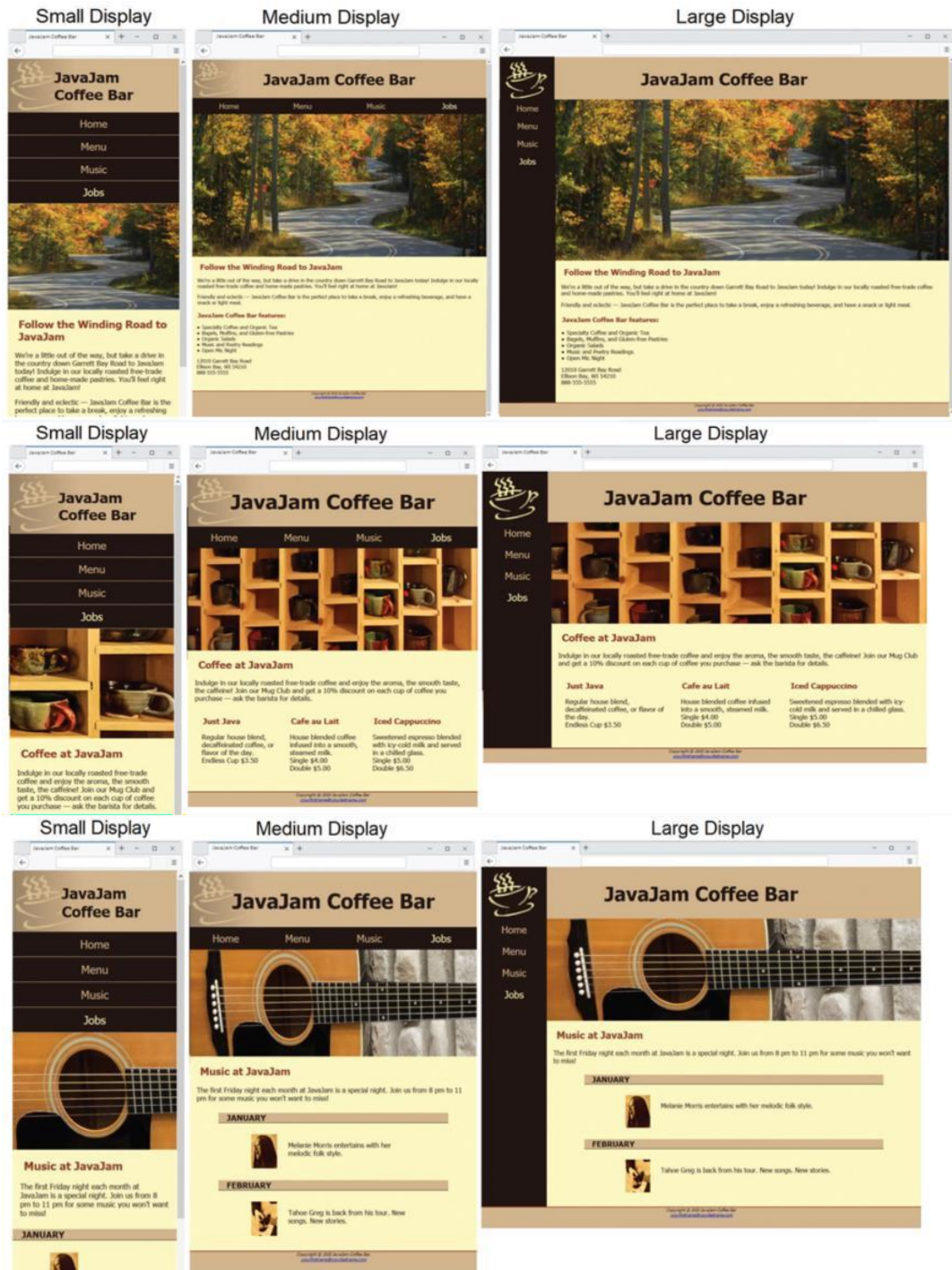
Preparation

- Read Chapter 7 and Chapter 8

What to do

- A. In this task, you will begin planning your project to build a personal bio website. The final product should include at least six pages. Some page ideas are:
- Home page
 - Resume page
 - Bucket List page
 - Interests/Hobbies page
 - Travel page
 - Contact Me page
1. [3 points] Do research on similar websites that are **bio** websites. List the URLs for three websites. For each website, describe one thing that the website is doing well, one thing that you think can be improved, and one thing that you would do differently.
 2. [1 points] Create a site map diagram using the hierarchical organization for your website. Show the relationships between pages on your website.
 3. [1 points] Draw a wireframe page layout for your home page and at least another different wireframe page layouts for your other pages. The page layout should clearly indicate the locations of logo, navigation, text, images, and other components. You can use random text and sketches for the text and images, respectively.
 4. Complete the **Web Project (Hands-on Practice Case) (NOT “Hands-on Practice” in the chapter)** in **Web Project** section at the **very end** of chapter 6 of the textbook.
 - a. [1 point] Hands-On Practice Case item 2 (List file names)
 - b. [2 points] Hands-On Practice Case item 3 (Note only one CSS file is needed)
 - c. [2 points] Hands-On Practice Case item 4 (Note only one representative page is needed)

B. [7 points] Complete the Website Case Study: JavaJam Coffee Bar Task 3-4 of Focus on Web Design section of chapter 7 of the textbook. After completing the tasks, the Home, Menu, Music pages layout should be similar to the following



Hints: Use media queries with breakpoints at 600px and 1024px. The menu items are flex items within a flexbox. For larger displays, use a grid layout with three rows and two columns.

C. [3 points] Complete the Website Case Study: JavaJam Coffee Bar in of Focus on Web Design section of chapter 8 of the textbook. After completing the tasks, the Menu page should be similar to the following:



Submission:

Use three folders for tasks A, B, and C, respectively. Put your answers for tasks A 1, 2, 3, and 4a, in a PDF document. The html and css files of the representative page required by 4b and 4c should also be in the folder for task A. Put your files for tasks B and C in two separate folders. Submit your one **zipped** folder that contains three folders.