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Final Project: Update a web site

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| *Upon completing this lab, you should be able to:*  1. Create a new web site folder  2. Modify the Home, Menu and Music pages to include a viewport meta tag.  3. Create/Add Job page to include a form and viewport meta tag  3. Modify the desktop styles in mtjava.css.  4. Modify mtjava.css and code a media query for tablet display.  5. Modify mtjava.css and code a media query for typical mobile phone display. |  |

**Background Information**

The owner of H-Town Java Coffee House has changed its name to My-Town Java Coffee House. He needs you to update his 2015 website to be responsive and 2024 current/modern.

**Getting the web site files organized**

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| Double-click this [mtjava.zip](https://1drv.ms/u/s!AmSGmNMljmbJhP5cJuCCp_UqNpEyAg?e=pXDknf) icon, open and extract the folder, mtjava, to your storage device  Open the mtjava folder and explore the files and resources available. |  |

**Prep the pages for responsiveness**

Open index.html in your web text editor. Edit the code as follows:

1. Open index.html in your web text editor. Go to the head tag contain and add a viewpoint meta tag that configures the width to the device-width and sets the initial-scale to 1.0. Save the index.html page.

2. Open menu.html in a text editor. Add the viewport meta tag in a manner consistent with the home page. Save menu.html page.

3. Open music.html in a text editor. Add the viewport meta tag in a manner consistent with the home page. Save music.html page.

4. Create a new web page, job.html, that includes a job application form. The form must collect the following: first name, last name, street address, city, state, zip code, phone number, email address, comment with four lines, each 50 characters wide and submit button. Design the form so that it is user friendly and responsive across desktop, tablet and mobile device. The Job page must also fits the same style and design of the other pages.

a. Add the viewport meta tag in a manner consistent with the home page. Save job.html page.

5. Add to the navigation on each page, the hyperlink for the job page.

6. Make sure your first initial and last name appear in the footer of each of your pages. (REQUIRED for CREDIT)

**Set a breakpoint for tablets**

Open htjava.css in a text editor. Edit the style rules as follows:

1. Code a media query to select for typical tablet device viewport size, such as

@media only screen and (max-width: 1024px) {

}

2. Code the following new styles within the media query:

a. Configure a body element selector with margin set to 0. Set the background-image property to none.

b. Configure a wrapper id selector. Set the width to auto, min-width to 0, margin to 0, padding to 0, and box-shadow to none.

c. Configure the header element selector. Configure a 5px solid #FEF6C2 bottom border.

d. Configure the h1 element selector. Set top margin to 0, bottom margin to 1em, top padding to 1em, bottom padding to 1em, and 2.5em font size.

e. Configure the nav element selector. The mobile layout uses a single column. Set the ﬂoat to none, auto width, 0 top padding, 10px margin, and 1.3em font size.

f. Configure the nav li selector. Set display to inline-block.

g. Configure the nav a selector. Set padding to 1em, width to 8em, font weight to bold, and border-style to none.

h. Configure the nav ul selector with 0 padding and margin.

i. Configure the #heroroad, #heromugs, and #heroguitar selectors. Configure 0 margin and 0 padding.

j. Configure the main element selector. Set padding to 0, margin to 0, and font size to 90%.

3. Save mtjava.css

**Set a breakpoint for mobile phones**

Open mtjava.css in a text editor. Edit the style rules as follows:

1. Code a media query to select for typical smartphone device viewport size, such as

@media only screen and (max-width: 768px) {

}

2. Code the following new styles within the media query:

a. Configure the header element selector to display an image designed for small mobile devices. Set the background image to javamini.jpg. Set the height to 128px.

b. Configure the h1 element selector. Set 2em font size, centered text, and 0 left padding.

c. Configure the nav element selector. Set the margin to 0.

d. Configure the anchor tags in the navigation area. Code a style rule for the nav a selector. Set the display to block, padding to 0.2em, and width to auto. Also configure a 1 pixel bottom border (use #FEF6C2 for the border color).

e. Configure the nav li selector. Set the display to block.

f. Configure the main element selector. Set top padding to 1px.

g. Configure the h2 element selector. Set 0.5em top padding, 0 right padding, 0 bottom padding, and 0.5em left padding. Set the right margin to 0.5em.

h. Configure the details class selector. Set left and right padding to 0.

i. Configure the #heroroad, #heromugs, and #heroguitar selectors. Set the background image to none. Set the height to auto.

j. Configure the ﬂoatleft class selector. Set left and right padding to 0.5em.

k. Configure the CSS for the phone number display as shown below:

#mobile { display: inline; }

#desktop { display: none; }

3. Save mtjava.css

**Test the site and take screenshots**

Test the site in desktop view

* Open index.html in your web browser. Open the menu, job and music pages as well.
  + The pages should look similar to these screenshots
* Take a screenshot of each page and save them as index.jpg, menu.jpg, job.jpg, music.jpg

Test the site in tablet view (iPad mini device)

* Open index.html in your web browser. Open the menu, job and music pages as well.
  + The pages should look similar to these screenshots
* Take a screenshot of each page and save them as indexTab.jpg, menuTab.jpg, jobTab.jpg, musicTab.jpg

Test the site in mobile view

* Open index.html in your web browser. Open the menu, job and music pages as well.
  + The pages should look similar to these screenshots
* Take a screenshot of each page and save them as indexMob.jpg, menuMob.jpg, jobMob.jpg, musicMob.jpg

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Test the site in tablet view (@ breakpoint 1024)

* Open index.html and resize the web browser window to 1024 pixels wide or less.
* Open menu and music pages as well. The pages should look similar to these screenshots

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Test the site in smartphone view (@ breakpoint 768)

* Open index.html and resize the web browser window to 768 pixels wide or less.
* Open menu and music pages as well. The pages should look similar to these screenshots

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**Graded Task: Insert the screenshots of your completed web pages in the colored boxes below**

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| Index.html | Desktop View | |
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| Tablet View | Mobile View |
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| Menu.html | Desktop View | |
|  |  | |
| Tablet View | Mobile View |
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| Music.html | Desktop View | |
|  |  | |
| Tablet View | Mobile View |
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| Job.html | Desktop View | |
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| Tablet View | Mobile View |
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**Publish the site to your GitHub web site**

Make sure all of the files and assets are located in your mtjava folder. Open the mtjava folder and doubl-click the index.html file. This should open the default web browser. Test the site by click on all of the links. Resize the browser window for each page to test the responsiveness. Once satisfied with the results:

1. Login to your GitHub account and go to your repository
2. Upload your mtjava folder
3. Copy your website address and paste in your web browser.
   1. Append the folder name, mtjava, to the end of your website address
      1. Example format: github.io/yourGithubName/yourRepositoryName/mtjava
4. Be prepared to share your project’s website address for submission