**IT153 Midterm Lab Spring 2022**

Unzip the provided file. In VSCode, open the MTE folder. This will preserve the directory structure.

You have been provided several html, css, image, and audio files and a directory structure.

**Select at least 20 of the following 30 tasks. Completion of additional tasks can yield bonus points.**

Once you have completed your chosen tasks, *edit the MTE.xlsx file checking off the tasks you selected from each category.* There you can also include any additional notes or comments you would like me to know about your solution.

Re-zip the entire MTE directory and submit it via Moodle.

For the HTML and CSS tasks, you should only need to edit MTE.xlsx, menu.html and MTE.css. If you opt for any of the more difficult tasks, you may edit additional files.

***Permitted materials:***

* You are allowed to look at:
  + Your old code
  + your notes
  + the textbook and associated webpage
  + the MDN reference
* Use of Google is not advised.
* Use of color pallete generators is allowed.
* Use of CSS generators is **not** allowed.
* Use of your peers is **not** allowed.

***Grading criteria:*** For each task attempted, partial credit is available. If you are not sure exactly what needs to be done, describe what you think needs to be done in the notes section in the Excel sheet.

While the primary focus of this is NOT your graphic design skills, troll-y CSS code where the resulting page display is unreadable ***will*** take a point deduction.

**Task 0: In order for all other tasks to work, this needs to be done first. Yes, it counts as 1 of the 20 tasks.**

Link these CSS files to the HTML file using relative links:

* + 960\_12\_col.css
  + magicColor.css
  + MTE.css

**HTML**

1. Add a comment tag to the top of the HTML page that includes your name
2. One of the structural tags is not closed. Find this tag and close this tag.
3. The page does not have a title tag. Include one with a fitting title for the page.
4. Add the logo.svg image to the header. Scale and style it appropriately. There is a note in code where to do this.
5. None of the hyperlinks on the nav bar are connected. Connect the appropriate links to the appropriate provided html files.
6. The form in the “Place an Order” section of the page is not correctly formatted.
   1. The radio buttons are not linked. Link the radio buttons so that only one can be selected from the group.
   2. Add restrictions so that a name and credit care MUST be entered.
7. The form in the “Sign up for the newsletter” section of the page is not correctly formatted. It allows you to submit the information blank. Correct this so that email address and name MUST be filled out in order for the form to submit.
8. Clicking any of the center grid items SHOULD take us to the “item.html” page but does not. Add a link such that, if we ***click anywhere on a menu item div***, it will bring us to the other page. *(You can do this for the first ROW of menu items… you don’t have to do ALL 21.…ew. Note which items are clickable in the Excel document.)*
9. Connect the “Contact” link to the email [example@example.com](mailto:example@example.com), such that, when it is clicked, the email client opens.
10. Add a footer to the page including a copyright symbol, the year, and links to social media pages. (you can link to [www.facebook.com](http://www.facebook.com) , [www.instagram.com](http://www.instagram.com) etc. It does not have to be a specific account). Consider adding an image for the social media link(s) as the social media icon(s).
11. Several smoothies were not included on the menu. Add these two items to the menu including the given description. You can set the pricing and color of the icon as you choose.
    1. Lorem Ipsum - Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi eu fringilla quam. Nullam eget nisi eu risus vulputate hendrerit ac et sem.
    2. Midterm Mush – Great pick-me-up after the brain has been turned to pudding since it’s made from brain pudding!
12. There is an audio-clip that automatically plays. Ew. This is very bad form. Make it not automatically play and have play/pause controls visible to the person browsing the page. (Note: Chrome automatically blocks autoplay BUT not every user will have Chrome so fix this.)

**CSS**

1. Clean up the header. Center the background-image and add padding and margins to make the text less…. trash. Extra: make the header semi-transparent.
2. Currently, the styling choices for the fonts make them unreadable. Change the font sizes, style, color, face, etc. throughout the entire page to make it readable.
3. Add a border to the centerGrid element. It should have rounded edges and obviously be a border. Consider adding
4. The menu items listed look a little…. Eh. Add styling to the appropriate class to:
   1. center the heading text
   2. add a border
   3. add padding
   4. set a min-height to make all cards the same size
   5. center the images
   6. overall make them look \*nice\*
5. Set up the individual menu items to change style when they are moused (hovered) over.
6. Style the nav bar and (if you added one) footer with the same colors, fonts, spacing, etc.
7. Change the padding, margin, and border of the logo item to where it does not butt up against the top corner of the page.
8. Add styling to the form and form input elements on the page so that they look different from the standard styling. Add padding, margin, and borders as needed.
9. Set up the aside to be properly out of the way on the right hand side of the page. Currently, it is setting its top position using hardcoded pixels. Have it use a percentage instead. Add a border and drop shadow to help it stand out.
10. Connect the map, contact, and item HTML pages to the style sheets. Does it help bring the pages together? If not, what corrections do you need to make to your CSS file? *(If you choose this task, answer these questions in the notes in the Excel file.)*
11. The disclaimer class of elements needs to be styled to stand out from the rest of the text. Make it POP.
12. The price class of elements holds the prices for small, medium, and large of each type. Give it a border, some text shadow, and maybe a unique background to make it stand out more. It definitely needs some padding and margin for spacing as well.

**More Difficult**

1. Set the header to stay centered and at the top of the page while the background items scroll behind it.
2. Create a floating sidebar on the left of the page with an iframe containing a scaled down version of the map and a “How are we doing?” feedback form. It should not obstruct the view of any menu items.
3. Add a custom, non-system standard font. You will have to download the font file and include it in your submission.
4. Set up the menu item elements to change style \*after\* they have been clicked on.
5. Add a footer to the page so that it does not appear until the bottom of the listings has been scrolled to.
6. Add your own css color filter and apply it to at least one of the smoothie images. Indicate which smoothie has been changed in the Excel sheet. This change can be done in the magicColor.css file.