

# ~ Module 1 ~

## Lesson 1: Intro

### Exercise 1: Create your page

1. Make a Codepen.io account
2. Make the content of your About Me page. Content should include
  - a. Your name
  - b. Your hobbies
  - c. Anything else! (Your favorite school subject, your dream job, your pet peeves)

<p>	Paragraph
<b>	Bold
<i>	Italics
<h1> ... <h6>	Heading
 	Force a new line
<hr/>	Horizontal line

### Exercise 2: Get set up locally on your computer

1. Download [VSCode](#)
2. Go through VSCode setup and poke around to familiarize yourself
3. Create a VisionVoice folder with an index.html file in it
  - a. Mentors, feel free to elaborate on on file extensions
4. Copy and paste your work from Codepen in **Exercise 1** to this file
5. Drag and drop to see in the browser \*

### Exercise 3: Play around!

1. Add new elements found in the [cheat sheet](#) (or with google) to your About Me page
  - a. A great place to start is with an image of yourself or something you love
  - b. Links to your favorite website

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## **Lesson 2: Attributes**

### Exercise 1: Reopen code pen

1. Reopen last week's codepen
  - a. Take this opportunity to talk through your work with your mentor
  - b. Ask any questions you may have and continue any of last week's work

### Exercise 2: Utilize attributes

1. Add a **link** to your favorite website
2. Add an **image** (or audio clip or video clip)

### Exercise 3: Add lists

1. Create an *ordered* list (examples include recipes or rankings)
2. Create an *unordered* list

### Exercise 4: (Optional) Get set up on VSCode

1. (See Exercise 2 from last week)

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## **Lesson 3: Review**

### Exercise: free play

Continue to iterate on your page! Practicing is *key* to getting comfortable. Make sure you've completed the exercises of previous lessons.

If you feel like you have a firm grasp on what we've covered thus far, here are some ideas to continue to build: use [the cheat sheet](#) to find new elements, get set up on VSCode, play around with CSS (next module's focus!)

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## Lesson 4: UI/UX + Forms

### Exercise: Creating a form

1. Get set up on VSCode! <https://code.visualstudio.com/download>
2. Add a form to your website
  - a. Based on the UN Sustainable Development Goals, we want to enhance the use of enabling technology, to promote the empowerment of women: Create a Form to collect information from women users on how they would use technology to Empower themselves and other Women!
    - i. How DO you use technology now?
    - ii. How WOULD you use technology to empower yourself?
    - iii. How WOULD you use technology to empower other women?
3. Fill it out, click submit, and check out the results using dev tools!

### Extra: Building out our knowledge

- Learn about the “type” attribute on:
  - Input ([potential resource](#))
  - Buttons ([potential resource](#))

If you feel like you have a firm grasp on what we’ve covered thus far, here are some ideas to continue to build: use [the cheat sheet](#) to find new elements, get set up on VSCode, play around with CSS (next module’s focus!)

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# ~ Module 2 ~

## Lesson 1: Introduction to CSS

### Exercise 1: Reopen code pen

Reopen your work from Module 1. Review it with your mentor! What did you learn? What did you find easy? What did you find difficult?

### Exercise 2: Use Selectors

Make use of at least one of each type of selector we learned today: **element**, **id**, **class**. You can start applying *logic* to selectors too. Your mentors can help you out with this. Here's a selector [cheat sheet](#). It can get pretty complex 🤖

*Optional: if you're in VSCode, you can learn about linking external style sheets. The link element should look familiar! Here's what it looks like:*

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="mystyle.css">
</head>
<body>

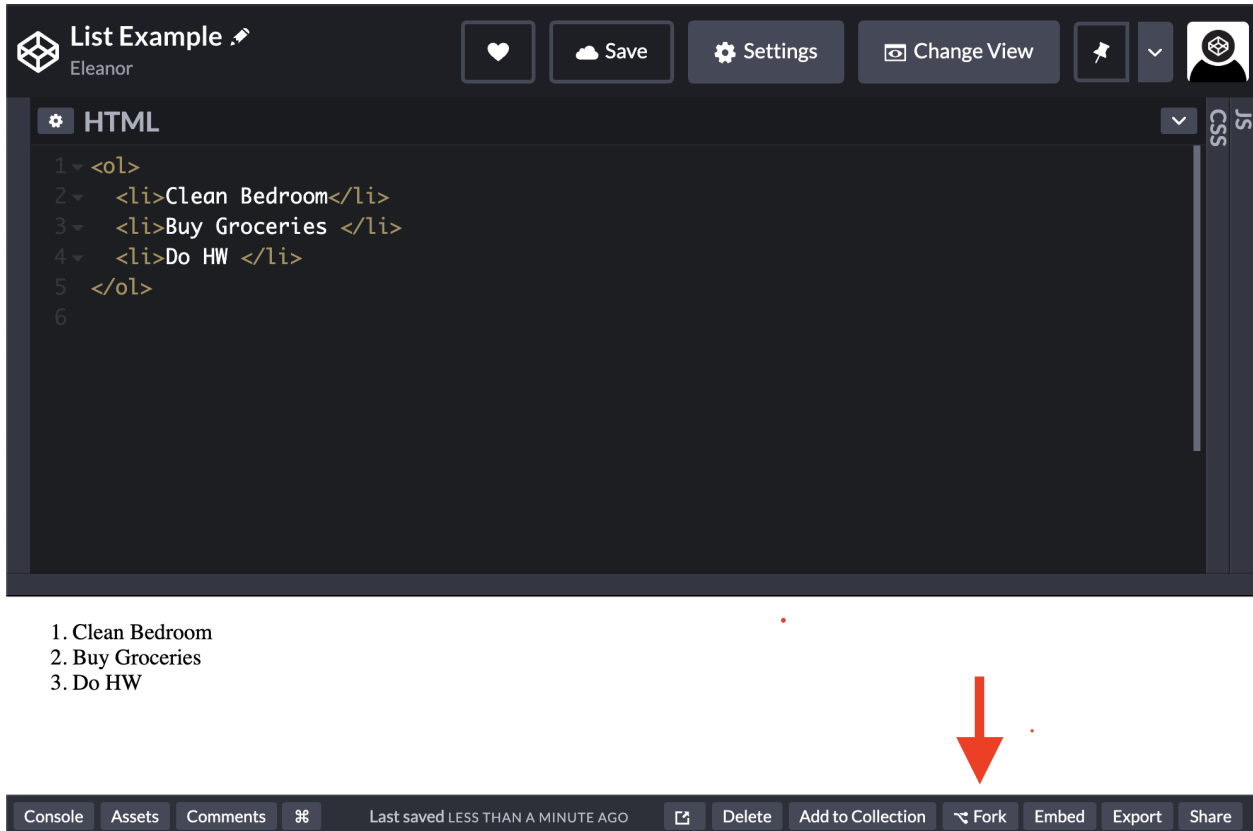
<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

## Lesson 2: Introduction to CSS: Box Model

Use your knowledge of the box model to space out your website!

Note: if you want to show off your work at the end of class, you may want to copy your work so you can show a before and after. You can do so by clicking the **Fork** button. This will create a copy in **Your work** tab on the home page.



The screenshot shows a code editor interface. At the top, there's a header with the title "List Example" and a user icon "Eleanor". Below the header, there are buttons for "Save", "Settings", "Change View", and a user profile icon. The main area is a code editor with a dark background, showing HTML code for a list. The code is: 1 <ol> 2 <li>Clean Bedroom</li> 3 <li>Buy Groceries </li> 4 <li>Do HW </li> 5 </ol> 6. Below the code, the rendered HTML is shown: 1. Clean Bedroom 2. Buy Groceries 3. Do HW. A red arrow points to the "Fork" button in the bottom toolbar.

Optional advancements:

- Specify left/right/top/bottom on a padding, border, and/or content
- Use the selector [cheat sheet](#) to create more complex selector patterns
  - Warning this may breach into inheritance, which we won't be covering in class.
- Learn about positioning
- Go over commenting

## Lesson 3: Introduction to CSS: Grid Layout

Play around with a grid layout for your page 🎨

For getting comfortable with the grid syntax: <https://cssgridgarden.com/>

For additional reading: <https://css-tricks.com/snippets/css/complete-guide-grid/>