

# CMPS 2680 Project 2

*Fall 2024*

## Setup

For Project 2, you will be creating a TODO list web application using html, javascript, and CSS.

You will create a project2 folder containing the following files:

**todo.html**, **script.js**, and **style.css**.

## HTML

The todo.html will contain the following:

- Make sure to include all of the standard tags required by html pages: doctype, html, head, title, body, etc...
- In the body you will have the following elements:
  - A div element with the id "container" with the following children:
    - An h3 element
    - A div element with the id "list"
    - A div element with the id "tools" with the following children:
      - An input element with the id "todo"
      - A button element with the id "submit"

## Javascript

The script.js will contain the following:

- Add a "click" event listener to the "submit" button element.  
This click event will use the function **addTodo** that you will define.
- Add a "keypress" event listener to the "todo" input element  
This keypress event will use an ANONYMOUS **function(event)**:
  - **If** event.key **is equal to** 'Enter' then call **addTodo()**;

In the **addTodo** function:

1. Get the **value** from the "todo" input element
2. Create a NEW div element and do the following with it:
  - Set the class attribute to "listItem"
  - Set the innerHTML to the value you got in step 1
  - Add a "click" event listener that will use the function **element.remove**
  - Add this element to the "list" div element using the **appendChild** function
- Set the value of the "todo" input field to an empty string

## Stylesheet

The style.css will contain the following:

- Use the container to center everything on the page.
- Customize the fonts, colors, padding, margins, etc of the various divs and elements to give your todo list a professional, cohesive style.
- Make sure that the "list" div properly wraps long words and scrolls vertically if the list gets long.
- Use the "tools" div as a flex container to make it easier to space/align the input and button elements.

## Example Image

Here are some examples of what I mean when I say "cohesive style":

**TODO LIST**

- Go to the store
- Get gass
- Mow the lawn
- Buy catfood
- Call mom
- Go to bed early