CPSC 1045: In-Lab Exercise 10 [10 marks]

Complete this exercise individually. Please follow the instructions **carefully** and complete all of the steps.

This worksheet is going to give you practice creating objects and arrays of objects.

1. Create a new HTML File and reproduce the page below by adding all of the elements shown **except for the list of animals**

2. Create a new JavaScript file. Inside this file create a **constructor** that creates animal objects. An animal object should store the following properties:
   - Name – the name of the animal
   - Gender – the gender of the animal
   - Species – the species of the animal
3. Create a global array that will store an unknown number of animal objects.
4. Create an addAnimal() functions that runs when the Add Animal button is clicked. This function should do the following things:
   - Determine the name, gender, and species of the animal from the user input fields
   - Create an animal object from the user information
   - Push the animal object onto the array
   - Update the output/display
5. Create a function that will display all of the animals stored in the array as an unordered list on the page.
6. When you have completed the exercise, demonstrate to the instructor or Lab Assistant that it works correctly.