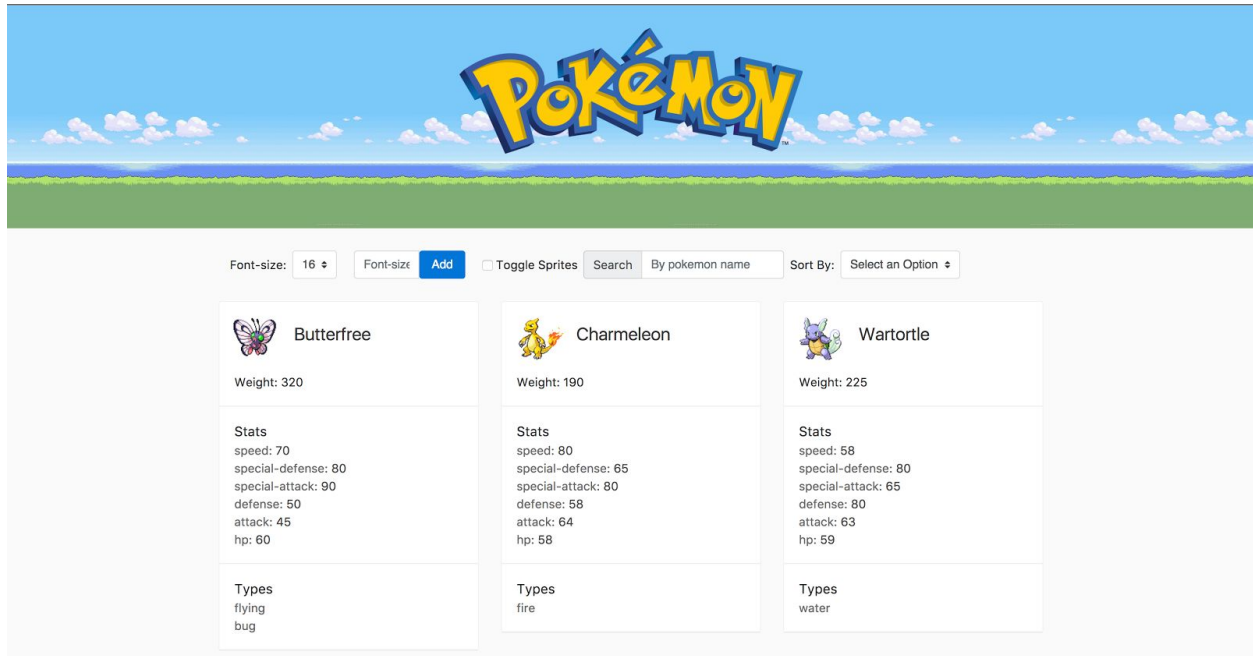


## Homework 1 - Pokemon Repository (JavaScript)

Due - Feb 28th, 2017 at 5:00pm on the 2300 server



Unlike projects, which require you to produce an entire website, homeworks involve just part of a website. In this homework, you will be working with JavaScript to complete a series of functions that add interactivity to the page. There are a total of 5 questions that require you to code a functional solution.

### Question Breakdown

- Question 1 - Changing font-size (10 points)
- Question 2 - Show/Hide (10 points)
- Question 3 - Adding a font-size (15 points)
- Question 4 - Search (25 points)
- Question 5 - Sort by (40 points)

### Assignment Details

You will find the files on your server account in the hw1 folder. If you already had a hw1 folder when these files were copied to your account, you will probably find them in a new hw1 folder inside your hw1 folder. You may copy these files and work on your local computer but there is only one file you should copy back to the server.

There is only one (1) file you will edit, it is **main.js**. All imports for jQuery and other JS files have already been made. You are not to make any changes to any other files. Within main.js there

are a series of jQuery event listeners that listen to the corresponding DOM elements for each question. The body of these event listeners are empty. Note that inside of each one there is a `// START Qx` and `// END Qx` comment. You are to write all your solutions within these comments. You may not edit/write additional global variables or functions outside of the the scope of these comments. This assignment can be done without such additions.

You are encouraged to use jQuery/built in JavaScript methods as necessary to complete the assignment. No other external libraries are allowed. You are also encouraged to debug your work using `console.log()`. You may not edit `index.html`, but can look at it in either the assignment files or inside the web inspector.

For questions 4 and 5, you will need to make an ajax call to a local resource, `pokemon.json`. At the top of `main.js` you will find an example of that ajax call outputting the contents of the file using a `pokemon` object and jQuery. **You should read these few lines and understand how they work before answering questions 4 and 5.** You can use this in your solutions to 4 and 5. Do not edit the original ajax call near the top of the file. Though there are not any PHP files in this assignment, you must run it on a server (local on your computer or on the course server) since there is an ajax call to a resource.

Each question has specific details on what your solution should do as a JavaScript comment. Be sure to follow those carefully.

Questions/concerns can be posted on Piazza. If your question involves posting code that is a potential solution to any of the questions, make the Piazza post private to instructors.

## Submission

When you are ready for grading you must do two things.

- Make sure `main.js` in your server account `hw1/scripts/main.js` is the file you want graded. If you developed on your local computer, make sure everything works on the server.
- Upload a file called `ready.pdf` to CMS. This is the only way that TAs know that you are ready for grading and not planning to turn in the assignment late. That file should at least contain a statement that you are ready for grading but may contain anything else you would like the TA reviewing your assignment to know.