

# Using the Array Filter Method

- Due No Due Date
- Points 1
- Submitting a website url

 (<https://github.com/learn-co-curriculum/phase-1-array-filter-method-lab>)  (<https://github.com/learn-co-curriculum/phase-1-array-filter-method-lab/issues/new>)

## Learning Goals

- Practice using `filter()` to return matching results

## Introduction

We've all probably had the experience of filtering a selection of choices online. When shopping for clothing, we might have selected a single size so that we can consider only the search results we need. Or when ordering food online, we could have customized our results to only show restaurants currently open or offering delivery in our neighborhoods. Since it's such a common need for a user, it's also a common function for a web programmer to run. Fortunately for us, JavaScript provides a built-in `filter()` method.

## Use `filter()` to Return Matching Results

We have an array of drivers with various information. We need to write functions using the `filter()` method so that PickMeUp Taxi service employees can easily query the data. Run the tests to see what conditions need to be met by each function *before* you start writing JavaScript code.

You'll be writing three functions:

- `findMatching` - This function takes an array of drivers' names and a `string` as arguments, and returns the matching list of drivers. The function should be case insensitive.
- `fuzzyMatch` - This function takes an array of drivers' names and a `string` as arguments for querying the array, and returns all drivers whose names begin with the provided letters.

- `matchName` - This function takes an array of `driver` objects and a `string` as arguments. Each `driver` object has two properties: `name` and `hometown`. The function should return each element whose `name` property matches the provided `string` argument.

Remember the workflow:

1. Install the dependencies using `npm install`.
2. Run the tests using `npm test`.
3. Read the errors; vocalize what they're asking you to do.
4. Write code; repeat steps 2 and 3 often until a test passes.
5. Repeat as needed for the remaining tests.

After you have all the tests passing, remember to commit and push your changes up to GitHub, then submit your work to Canvas using CodeGrade.

## Resources

- [MDN: Array.prototype.filter\(\)](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/filter) (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\_Objects/Array/filter)