

# DOM exercise

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In this exercise, you'll build a shopping list from data. You can find all of the code you need to get started in the folder `shopping-list`.

## Exercise

The first thing you need to do is open up `js/shopping-list.js` and create two variables named `pageTitle` and `groceries`:

```
* pageTitle: {string} This should be set to 'My Shopping List'
* groceries: {Array} This should be an array of 10 items for your shopping list.
The items in the array can be strings.
```

### Page title

When the application loads, it calls the `setPageTitle()` function. It's your job to fill in that function and make it work. Take the contents of the `pageTitle` variable and update the DOM.

### Groceries

When the application loads, it calls the `displayGroceries()` function. It's your job to fill in that function and make it work. Take the array of groceries, create a new list item element, and append it to the unordered list on the page.

### Completed

When the application loads, there's an event listener attached to the button. Don't worry too much about how this works, as you'll learn more about that in a future lesson.

When you click the button, it calls the method `markCompleted()`. It's your job to make that method work. Get **all** of the list items on the page and add the class `completed` to each one.

## Tests

To consider this exercise complete, your shopping list application must do the following:

- When the application loads, it calls the `setPageTitle()` function
  - This must get a reference to target the id `title` and set it to 'My Shopping List'
- When the application loads, it calls the `displayGroceries()` function
  - You must have a variable called `groceries` that contains 10 items
  - You must loop over this array and create a list item element for each and add it to the DOM
  - TIP: Make sure you target the unordered lists id and not the list itself—be specific
- When the application loads, there's an event listener attached to the button
  - When you click the button, it calls the method `markCompleted()`
  - You must get all of the list items and add the `completed` class to them

If you look inside of the `tests` folder, you'll find a `tests.html`. You can run this by right-clicking on `tests.html` and opening it with live server to see if all of the tests pass.

