

Advanced DOM Manipulation

continued

Today's Deliverables

- `document.createElement()`
- `Node.appendChild()`
- `Node.insertBefore()`
- `Node.removeChild()`

Review

```
<h2>Birthday List</h2>
<ul id="birthday-list">
  <li>Guitar</li>
  <li>New Wallet</li>
  <li>Wifi Adaptor</li>
</ul>
```

Use `.querySelector` to select the `ul` list and print node name to console

I decide that actually all I want is coffee. Change each list item to coffee. ☕

Let's make that a little bit cooler! Add a button that uses an event listener to toggle the change. ☕

The progression

1. `document.createElement()`

```
// Creates HTML Element (i.e. 'li' 'button')
```

```
var btn = document.createElement('button')
```

Let's create a simple little app that gives us false hope on ever finding love.



The progression

1. `Node.insertBefore()`

`// inserts a node before the reference node as a child of
a specified parent node`

`...`

```
var Element = document.querySelector("h2");  
headlineElement.insertBefore(btn, btnElement.firstChild);
```

`Bring back the birthday list!`

`I received all my gifts! Let's erase my Birthday List`

Final Project: Reverse Todo List

Usually we make a Todo list in order of urgency. We put items that 'seem' most important and come quickly into our head on top (i.e. emails, doing tasks for our boss), but in reality, it's sometimes the tasks at the bottom of our list that are going to help us grow personally and professionally the most (i.e. 'put in one hour of coding today', 'work on my portfolio'). Let's reverse that and append those tasks to the top, so you actually do them today.

Reverse Todo List

- Work on portfolio
- Emails
- Tasks for my stupid boss

Put in one hour of coding

Add Task

All Done!

**Come up with your own
application using the methods
learned today.**