Section 6

Week of March 11

Outline

- A few notes
- Single Page Apps
- Templating
- Animation

A few notes:

- Project 1 due on March 25th
- No section next week

Single Page Web Apps

- A web application with only one html file, using asynchronous requests to dynamically load content
  - Best for when the changes in content are small but the base layout is complex
- HTML 5 History API:

```
window.history.forward()

window.history.back()

window.history.pushState([data], [title], [url])

window.onpopstate = e => {
  data = e.state
  }
```

Templating

- https://handlebarsjs.com/
- A way to write basic HTML template for use in JS code

```
const template = Handlebars.compile("Sample HTML: {{var}}")
const content = template({'var': value})


<script id="sample_id" type="text/x-handlebars-template">
    Sample HTML: {{var}}
</script>
const template2 = Handlebars.compile(document.querySelector(#sample_id)
```

Animation

```
@keyframes name {
    from {
        // CSS properties
    }
    to {
        // CSS properties
    }
}
h1 {
    animation-name: name;
    animation-duration: 2s;
    animation-fill-mode: forwards;
}
```

```
@keyframes name2 {
    0% {
        // CSS properties
    }
    75% {
        // CSS properties
    }
    100% {
        // CSS properties
    }
}
```

Any remaining questions?