

# Section 1

Week of February 4

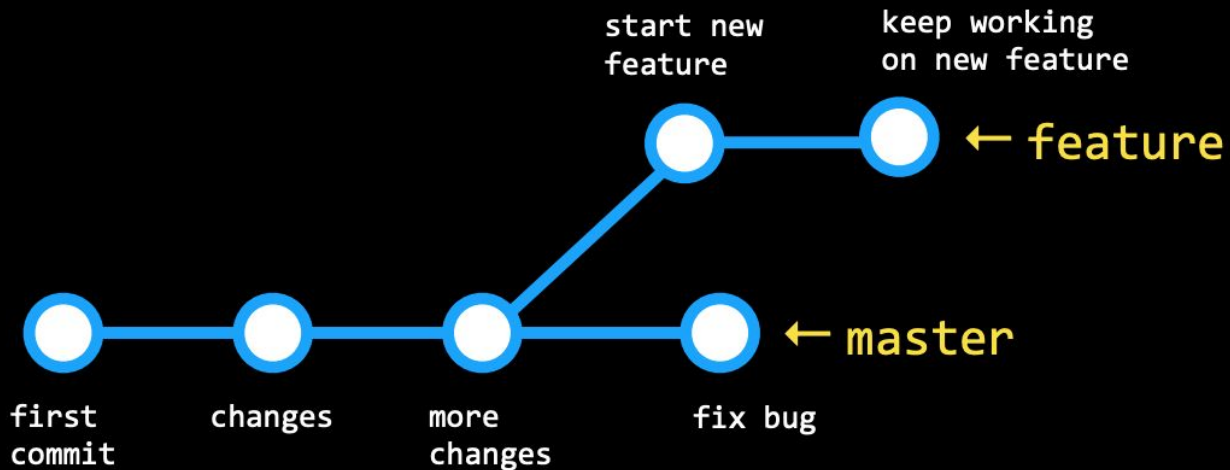
# Outline

- A few notes
- Git
- HTML
- CSS/SASS
- Responsive Design

# A few notes:

- Project 0 is due Monday February 11th
- Encourage all students to keep video on in office hours and section, though audio muted unless speaking
- Encourage many many questions through the chat box throughout section

# Git: Branching



## Useful commands:

```
git branch
git branch new-branch
git branch -d branch-name
git checkout branch-name
git merge branch-name
git push --set-upstream
origin new-branch
```

**Keywords:** remote, fork, pull request, HEAD, origin, master

# HTML Links

```
<a href=[URL or Filename or ID]> Click Me! </a>
```

Recall: example file structure from section 0:

```
📁 2019cscie33
  📁 section_0
    📄 index.html
    📄 page2.html
```

**Keywords:** directory

# HTML5 Features

- New tags: <https://www.wpkube.com/html5-cheat-sheet/>
- Examples:
  - `<header>`
  - `<nav>`
  - `<section>`
  - `<footer>`
  - `<audio>`
  - `<video>`
  - `<datalist>`
- Support for HTML5 on all major browsers

# Advanced CSS

<code>a, b</code>	Multiple Element Selector
<code>a b</code>	Descendant Selector
<code>a &gt; b</code>	Child Selector
<code>a + b</code>	Adjacent Sibling Selector
<code>[a=b]</code>	Attribute Selector
<code>a:b</code>	Pseudoclass Selector
<code>a::b</code>	Pseudoelement Selector

# Sass: Syntactically Awesome Style Sheets

## Features:

- Use nesting and variables in css code
- Compile sass code into css code using `Sass` (may need to download)

## Useful commands:

```
Sass style.scss style.css
```

```
Sass --watch style.scss:style.css
```

**Keywords:** inheritance, template



# Responsive design: Media queries

- Purpose: Made websites responsive to different device sizes
- Media queries: [https://www.w3schools.com/cssref/css3\\_pr\\_mediaquery.asp](https://www.w3schools.com/cssref/css3_pr_mediaquery.asp)

```
@media not|only mediatype and (mediafeature and|or|not mediafeature) {  
    CSS-Code;  
}
```

# Responsive design: Bootstrap

Bootstrap 4: <https://getbootstrap.com/docs/4.2/getting-started/introduction/>

Link in header: `<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css" integrity="sha384-GJzZqFGwb1QTTN6wy59ffF1BuGJpLSa9DkKMP0DgiMDm4iYMj70gZWKYbI706tWS" crossorigin="anonymous">`

## Grid layout:



Example:

```
<div class="row">
  <div class="col-3">
  </div>
</div>
```

Any remaining questions?