CASCADING STYLE SHEETS

THE CSS

WHAT IS CSS?

- Presentational language for applying style to our HTML
- Separates our style from our markup
- CSS documents are loaded into the HTML page
- The browser applies style rules to the HTML content

HOW DOES IT WORK WITH HTML?

- Use HTML to describe the content of the document, not its style.
- You use CSS to specify the document's style, not its content.

COMMON TERMS

- Selectors

 a selector designates exactly which element or elements
 within our HTML to target and apply styles
- Properties

 a property determines the styles that will be applied to that element
- Values describes the behavior of a property
- Rules
 Comprise the selector and property/values

THE ANATOMY OF A RULE (WITHOUT NOTES)

```
selector {
    property: value;
}
```

THE ANATOMY OF A RULE

```
Rule

Selector→ body { ← Opening Bracket

Color: orange;

Closing → Property Value
```

THE ANATOMY OF A RULE (WITHOUT NOTES)

```
body {
    color: orange;
}
```

SELECTORS

- Element Selector
- Class Selector
- ID Selector
- Advanced Selectors
 - Relational Selectors
 - Pseudo Class Selectors

ELEMENT SELECTORS

CSS

```
body {
  background: black;
  color: white;
  font-size: 24px;
```

HTML

```
<body>
What up!
</body>
```

CLASS SELECTORS

Denoted by the use of the period ex: .someClassName

```
.bodyClass {
  background: black;
  color: white;
```

CSS

```
.pClass {
  font-size: 24px;
```

HTML

```
<body class="bodyClass">

     What up!

</body>
```

CSS

ID SELECTORS

Denoted by the use of the number/hash ex: #someId

```
#bodyID {
  background: black;
  color: white;
#pID {
  font-size: 24px;
```

HTML

```
<body id="bodyID">

        What up!

</body>
```

- Selectors in CSS correspond to elements / ids / classes in HTML
- They are case-sensitive.

```
<h1 id="goeags">Go Eags!</h1>

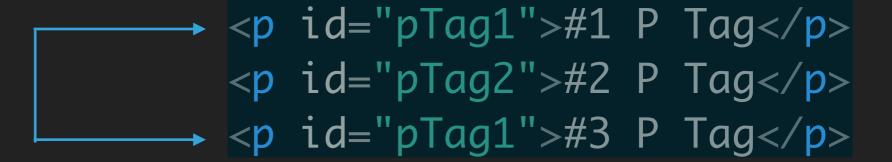
"e" vs. "E"

#goEags {
  color: black;
  text-transform: uppercase;
  font-weight: bold;
  background: red;
}
```

- IDs(#) are unique.You have a student ID.
- Applies to HTML as well, not just CSS

Elements have the same ID

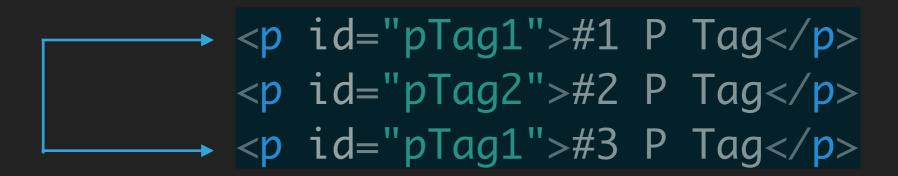
This is bad.



IDs(#) are unique.You have a student ID.

Elements have the same ID

This is bad.



Javascript example: there will be confusion!

document.getElementbyId("pTag1");

Classes can be reused and combined.
 As a student, you can/will have multiple classes.

```
.big {
  font-size: 32px;
  font-weight: bold;
}

.red-text {
  color: red;
}
```

Where does the "cascading" come in?

```
.red-text {
   color: #990E19;
}
.red-text {
   color: pink;
}
.red-text {
   color: rgb(255, 0, 0);
}
> Same Selector...
> Think waterfall,
> the last rule is applied.
```

ADDING AN EXTERNAL STYLESHEET

- We'll write our CSS in an external file
- We'll create a reference to our CSS file on our HTML page

```
<head>
  <!-- Goes within the head element -->
  <link rel="stylesheet" href="main.css">
</head>
```