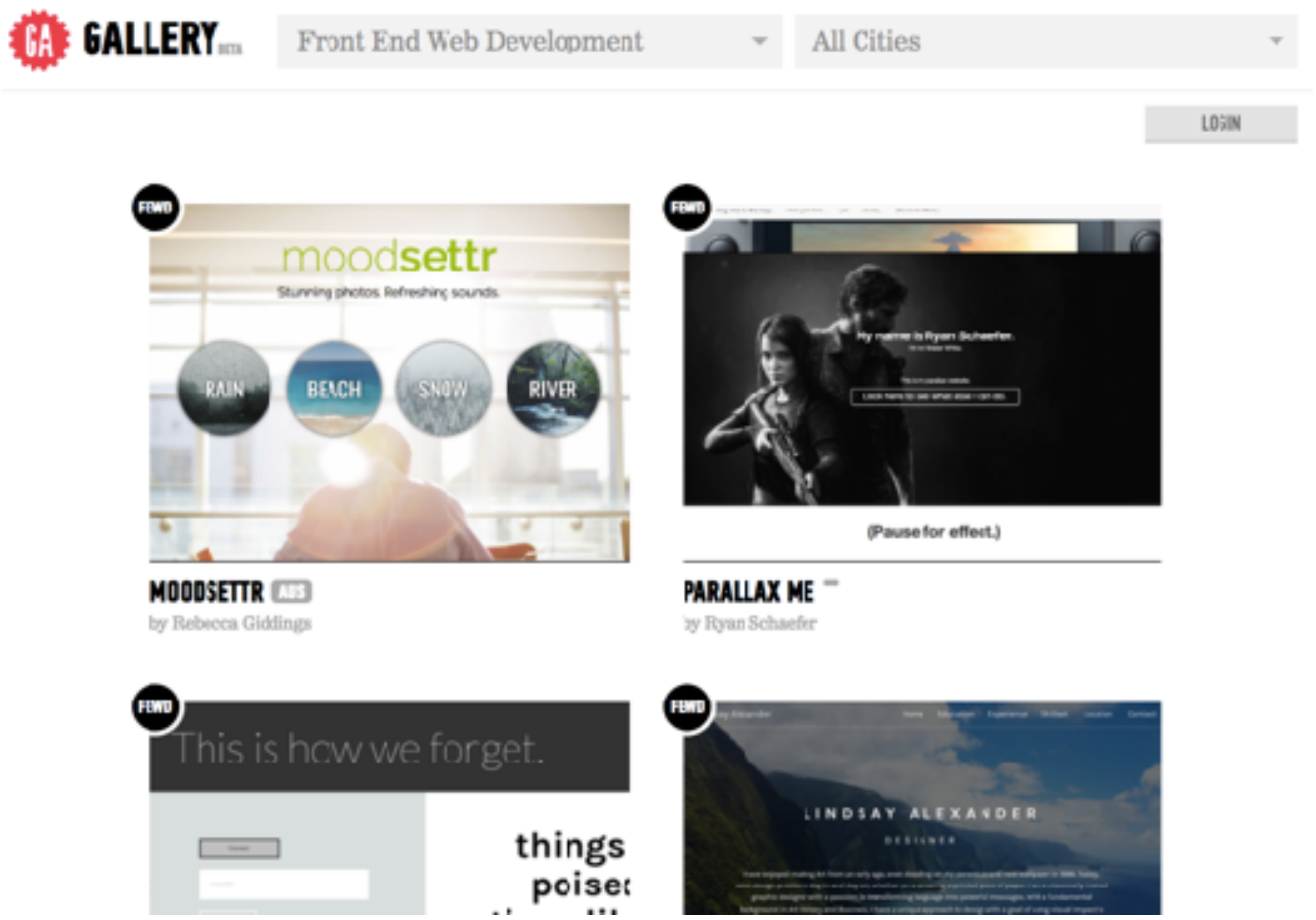
WARM UP QUESTION

WHAT IS THE BRAVEST THING YOU DID IN 2017?

FINAL PROJECTS



Front End Web Development

All Cities

MOODSETTR
by Rebecca Giddings

PARALLAX ME
by Ryan Schaefer

LEARNING OBJECTIVES

- Add an external stylesheet to an HTML web page.
- Learn CSS syntax rules.
- Add specificity to tags using ids and classes.
- Learn what version control is and how to use git/GitHub.

REVIEW

ACTIVITY

EXERCISE

KEY OBJECTIVE

- Review the cookies page

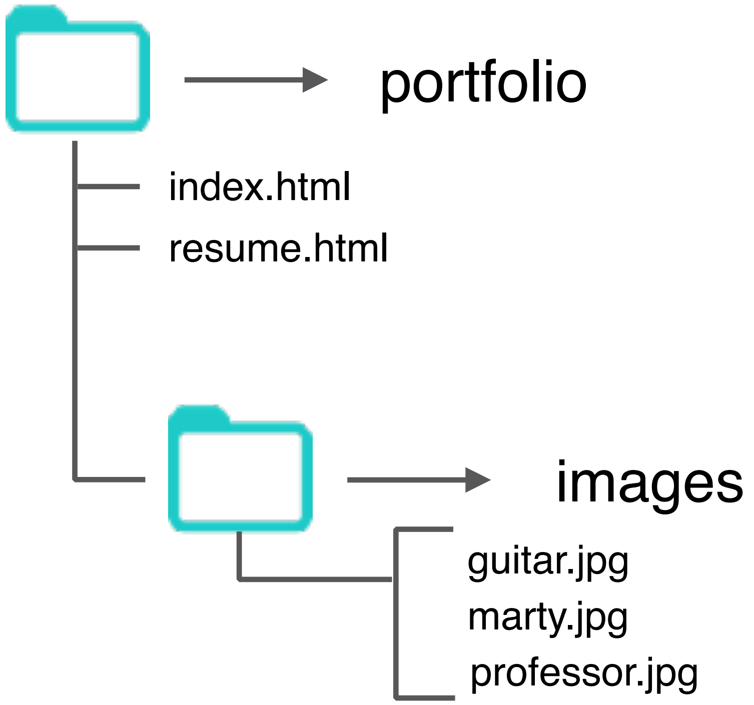
TIMING

15 min

1. Talk through it with your groups.
2. Was there anything you had trouble accomplishing?
3. Show your group how you did it!

DIRECTORY STRUCTURE

- On larger sites, it’s best practice to organize code by placing the files for each major section of the site into a new folder
- These folders are often referred to as directories.



portfolio

index.html

resume.html

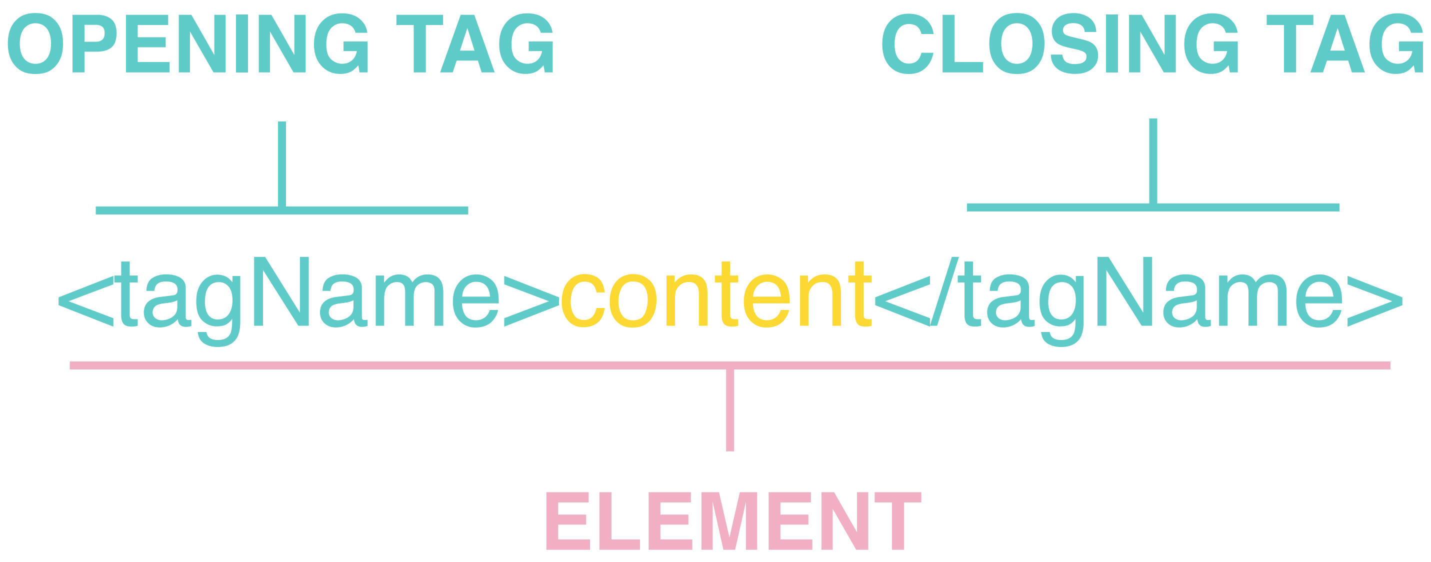
images

guitar.jpg

marty.jpg

professor.jpg

HOW DO I WRITE HTML?



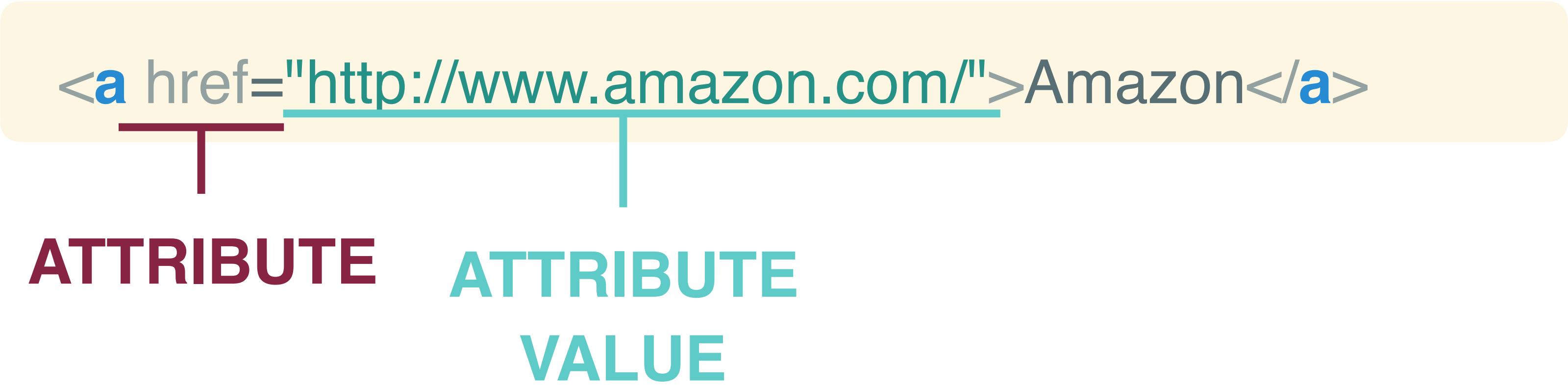
OPENING TAG

CLOSING TAG

<tagName>content</tagName>

ELEMENT

ATTRIBUTES



```
<a href="http://www.amazon.com/">Amazon</a>
```

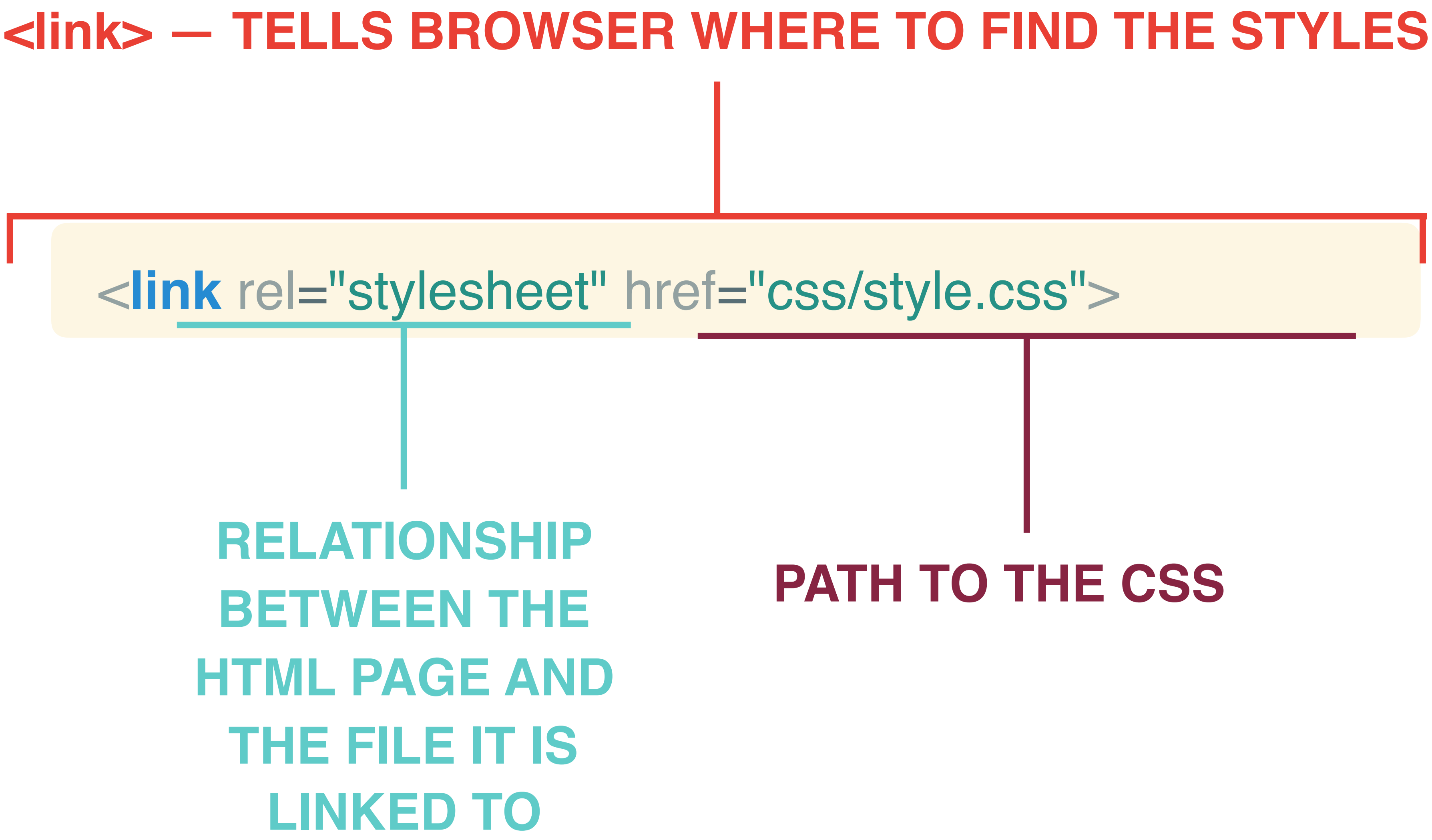
HTML STRUCTURE

```html
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Document</title>
</head>
<body>

</body>
</html>
```

CSS BASICS

ADDING A CSS FILE

ADDING A CSS FILE — THE LINK ELEMENT



<link> — TELLS BROWSER WHERE TO FIND THE STYLES

```
<link rel="stylesheet" href="css/style.css">
```

RELATIONSHIP BETWEEN THE HTML PAGE AND THE FILE IT IS LINKED TO

PATH TO THE CSS

ATOM SHORTCUTS

link + tab then put the path to the CSS file for the href

link + tab

```
<link rel="stylesheet" href="">
```

ADDING A CSS FILE

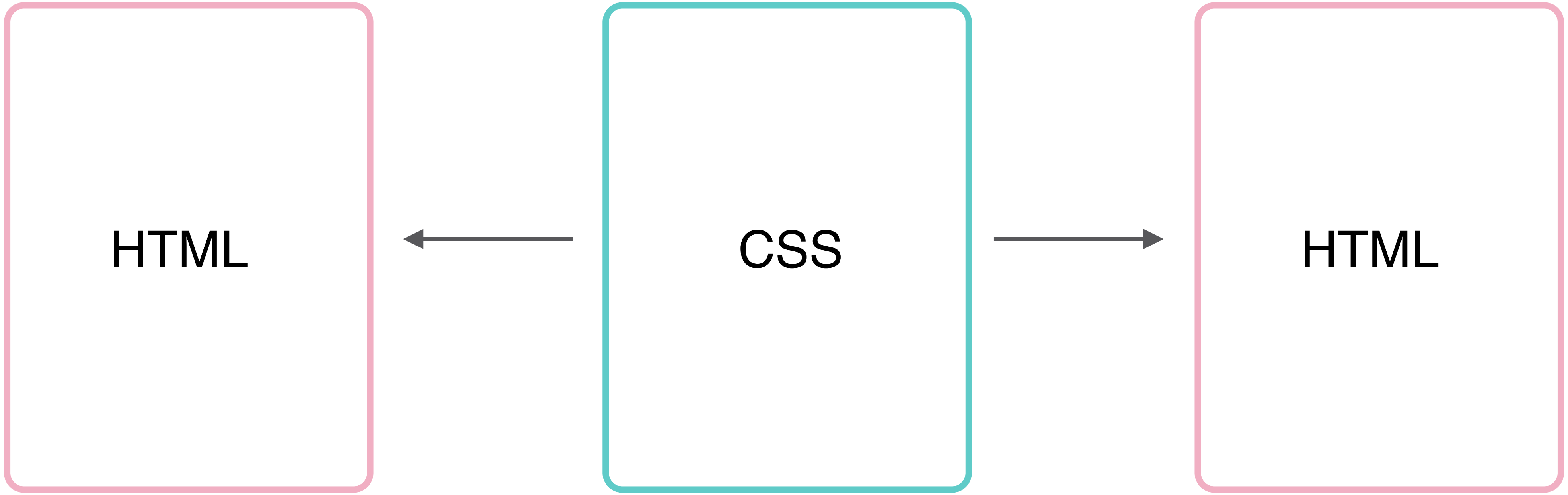
MUST GO IN
THE <HEAD>
OF THE
DOCUMENT!!!

```
<head>
   <meta charset="UTF-8">
   <title>My Website</title>
   <link rel="stylesheet" href="css/style.css">
</head>
```

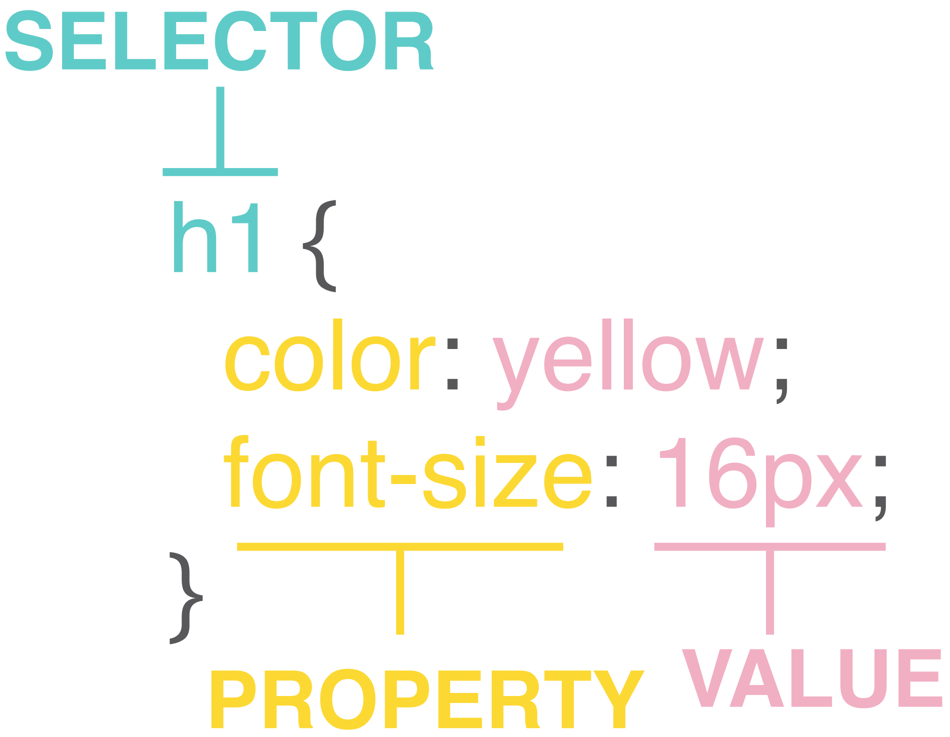
INTERNAL VS. EXTERNAL CSS

BENEFITS OF USING AN EXTERNAL STYLESHEET:

- Multiple pages can use same stylesheet (Don't repeat yourself!)
- Only have to make changes in one file
- Keep content separate from presentation



HOW DO I WRITE CSS?



SELECTOR

```
h1 {
  color: yellow;
  font-size: 16px;
}
```

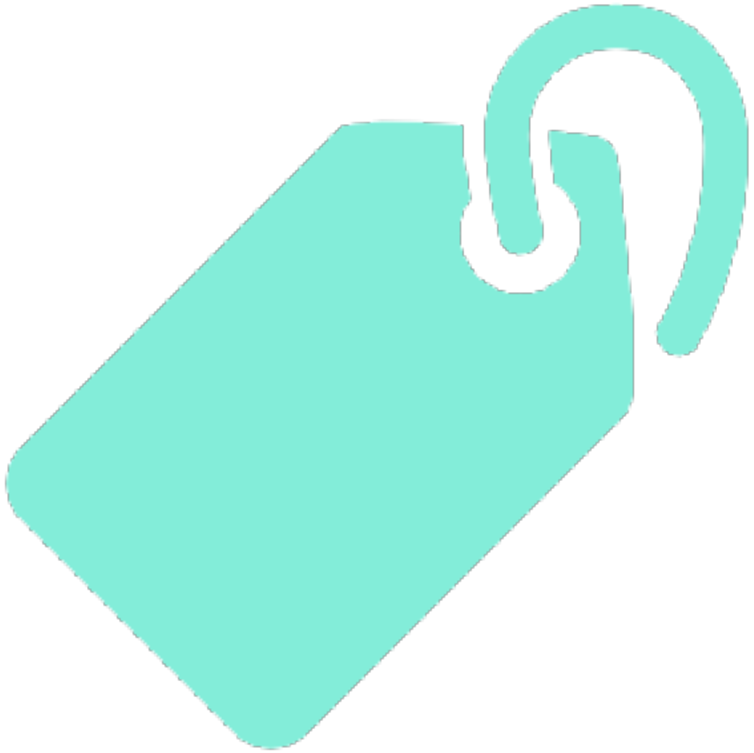
PROPERTY VALUE

PSEUDO CLASSES

```
/* unvisited link */
a:link {
    color: #FF0000;
}

/* visited link */
a:visited {
    color: #00FF00;
}

/* mouse over link */
a:hover {
    color: #FF00FF;
}

/* selected link */
a:active {
    color: #0000FF;
}
```

CLASSES AND IDS

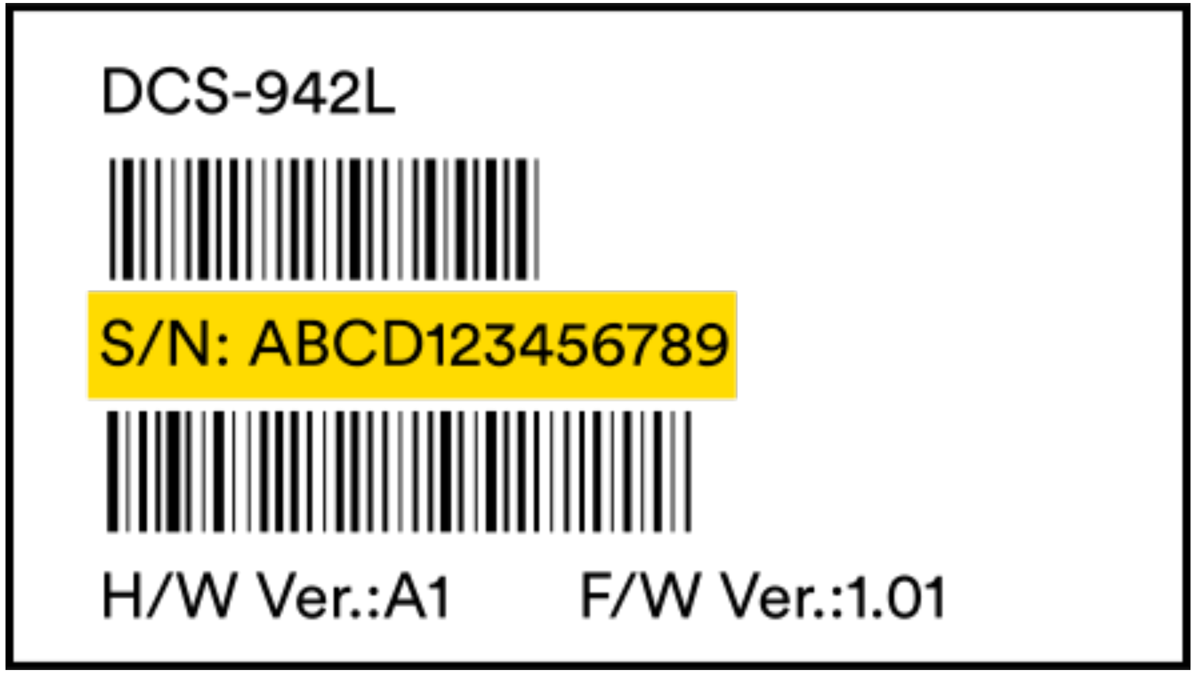
TARGETING SPECIFIC ELEMENTS



- Classes & IDs allow us to add ‘labels’ to elements so we can target them in our CSS.

TARGETING SPECIFIC ELEMENTS

8 50006 00001 2


DCS-942L

S/N: ABCD123456789

H/W Ver.:A1 F/W Ver.:1.01

CLASSES AND IDS

CLASSES

- Classes are used to group elements together

```
<div class="alert">Content</div>
```

```
.alert {
   color: red;
   font-size: 20px;
}
```

CLASSES AND IDS

IDS

- Ids are used to target one specific element
- Each element can only have one id
- Important: two elements on the same page cannot have the same id

```html
<nav id="main-nav">Content</nav>
```

```css
#main-nav {
  text-align: center;
}
```

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S/N: ABCD123456789
H/W Ver.:A1
F/W Ver.:1.01

ACTIVITY: LINK TO YOUR CSS FILE

EXERCIS
E

DIRECTIONS

1. Add a link to the stylesheet in the head of your index.html file. It should look like this:

   ```
   <link rel="stylesheet" href="css/style.css">
   ```

2. Save your index.html file.
3. Create a style.css file, add at least 3 style rules for practice.

WHAT'S NEXT

GITHUB

WHY WOULD WE USE GITHUB?

- Think back to the last time you wrote a report or paper.
- Did you happen to save different versions, like myawesomepaper_v1, myawesomepaper_v2, etc?
- That's called version control– and managing it on your own can be tricky.
- Numbering file names can help you understand which file is the most recent, but how can you tell the difference between each version?

WHY WOULD WE USE GITHUB?

- This is where GitHub can help! GitHub is a free, open-source tool where developers store code online.
- GitHub automatically tracks any changes you make to your code. It allows you to compare versions of your code, add comments and notes to different versions, share your code, and more!

WHY USE GITHUB?

HISTORY

- Since GitHub stores a history of the code, it allows developers to go back in time if something breaks.

COLLABORATION

- Allows multiple developers to work on the same project. Much like Google Drive lets multiple people collaborate on the same document, GitHub allows this for code.
- You can see who worked on what.

FEEDBACK

- GitHub allows for feedback to be given on the code which, hopefully, increases code quality.

WHAT'S NEXT

SETTING THINGS UP

SETUP — PART 1 — CREATING A REPOSITORY

In GitHub, the folder in the cloud where you can store, update, and share all the files that make up your website is called a repository.

SETUP — PART 2 — COMMANDS

> Initialize git repository:

```
git init
```

> Add files to Git tracking:

```
git add -A
```

> Commit files to local Git repository:

```
git commit -m "Initial commit"
```

> Add remote to push to:

```
git remote add origin http://yourgithuburl.com
```

> Push to remote repository:

```
git push -u origin master
```

LEARNING OBJECTIVES

- Add an external stylesheet to an HTML web page.
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HOMEWORK

CSS BASICS

EXIT TICKETS