HTML

Week 2 - IST 263

### WEEK I LEARNING OUTCOMES

- Describe the World Wide Web
- Explain how the web works
- Memorize the key components

### TODAY'S AGENDA

- Intro. to HTML
- Writing and Viewing HTML
- Git, GitHub & Homework

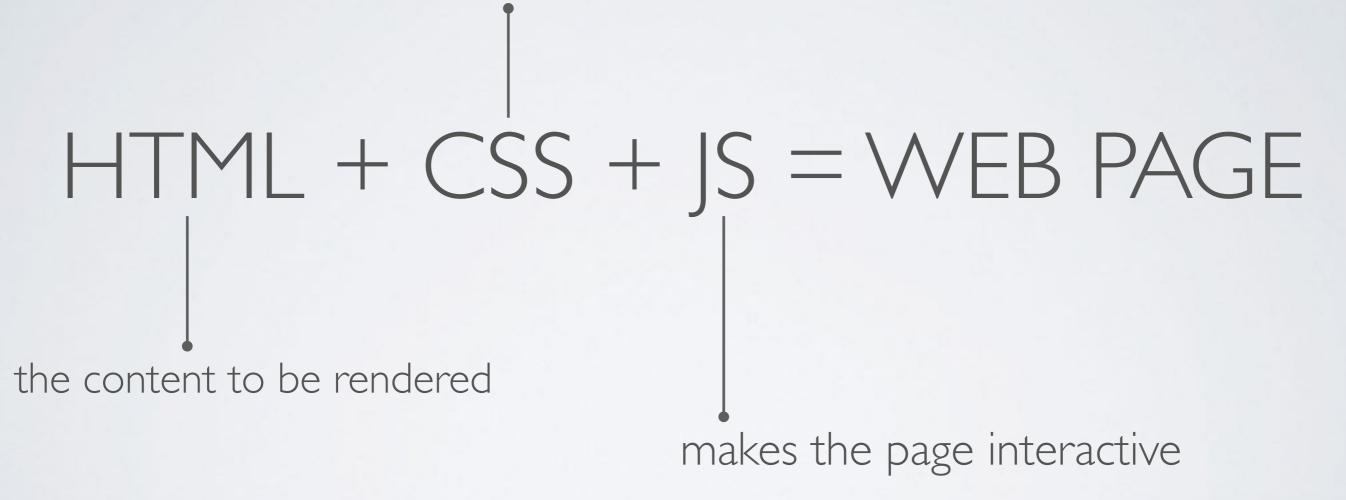
### FAVORITE WEBSITES

http://what-if.xkcd.com/

https://www.reddit.com/

### Cornerstone technologies for the WWW

describes how the content should be rendered



### WHAT IS HTML?

### HyperText Markup Language

- Standard markup language for creating web pages
- Generated by the web server
- Transmitted via HTTP
- Rendered by a web browser

#### Sample HTML5

```
<!doctype html>
<html lang="en">
 <head>
     <title>IST 263</title>
 </head>
 <body>
     Hello World !!!
 </body>
</html>
```

### HTML - COMPONENTS

- Doc Type
- Tags
- Elements
- Attributes

```
<!doctype html>
<html lang="en">
 <head>
     <title>IST 263</title>
 </head>
 <body>
     Hello World !!!
 </body>
</html>
```

### HTML ELEMENT PROPERTIES

- Tree structure
- Only I HTML, HEAD and BODY Element
- · Other elements can be repeated
- Start and end tags
- Formatting

# HTML - Recap

```
<!doctype html>
<html lang="en">
 <head>
     <title>IST 263</title>
 </head>
 <body>
     Hello World !!!
 </body>
</html>
```

## WATCH ME CODE

## GROUP ACTIVITY

- Form groups of 3
- · Only I person in the group with code, others will assist
- · Look for project details in your course folder
  - week-02/labs/readme.txt

# Github & Collaboration

### GIT & GITHUB

- All homework & project has to be submitted via GitHub
- GIT is not the same as GITHUB
- What is GIT?

  git is a program running on your computer that helps with SCM
- What is GitHub?

This is a service that is running on a remote server at github.com

### SUBMITTING HOMEWORK

- Repository
- Pull from GitHub
- Commit to Git
- Push to GitHub

### INDIVIDUAL ACTIVITY

- Create an HTML file called 'my-classes.html'
- Change the title of the page to '<your name>'
- List the classes you are taking. For each class
  - Add course name, instructor name
  - A short description
  - Use appropriate tags
- Save and view it in your browser
- Commit to GitHub

### HOMEWORK

- Details are in week-02/homework/readme.txt
- Due by Sunday 11:59pm
- Research the following HTML tags (<a href="https://www.w3schools.com/tags/default.asp">https://www.w3schools.com/tags/default.asp</a>)
  - Section
  - Footer
  - Article
- Individual Project

# MORE HTML

Next week