

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

HTML + CSS + JS = WEB PAGE

the content to be rendered

makes the page interactive

WHAT IS HTML?

Hyper**T**ext **M**arkup **L**anguage

- 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>
    <p>Hello World !!!</p>
  </body>

</html>
```

HTML - COMPONENTS

- Doc Type
- Tags
- Elements
- Attributes

```
<!doctype html>
<html lang="en">

  <head>
    <title>IST 263</title>
  </head>

  <body>
    <p>Hello World !!!</p>
  </body>

</html>
```


HTML ELEMENT PROPERTIES

- Tree structure
- Only 1 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>
```

```
    <p>Hello World !!!</p>
```

```
  </body>
```

```
</html>
```

WATCH ME CODE

GROUP ACTIVITY

- Form groups of 3
- Only 1 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 (<https://www.w3schools.com/tags/default.asp>)
 - Section
 - Footer
 - Article
- Individual Project

MORE HTML

Next week