

HTML

Week 2 - IST 263

WEEK 2

LEARNING OUTCOMES

- Describe HTML
- Use basic HTML tags to create, edit hypertext documents
- Upload your work to GitHub
- Display your work via GitHub Pages

TODAY'S AGENDA

- Intro. to HTML
- Writing and Viewing HTML
- GitHub & GitHub Pages

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 hypertext transfer protocol -- 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
- Most 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>
```

GITHUB

- What is GitHub?

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

- Benefits of GitHub

Source Code Management

- What is GitHub Pages?

Free, stable web page hosting

- How we'll use GitHub

Start to build your undergraduate portfolio

MORE HTML

Next week