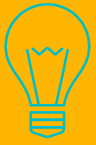


Intro to Web Development





Hello!

I am Ata Gowani

Software Engineering Student at UTD





LET'S TALK ABOUT YOU!

name and your “why?”

ALL ABOUT
THIS COURSE.



7-week long course

HTML

3-hour long classes

Git and GitHub

BASH

3 mini Projects

CSS

Chrome Devtools

1 class per week

1 BIG Project



My Goal

Enable and inspire you to further
pursue web development

Give you the chance to apply
your skills while, at the same
time, helping further a great
cause.



Questions?

HTML

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



let's view source code

what's your favorite website?





Anatomy of a Website

Content: Text, Media

+ **HTML:** Structure + Semantics

+ **CSS:** Presentation + Design

+ ~~**JS:** Interactivity~~

= **Your Website**



Tools we use

Browsers

Chrome, IE, Firefox,

Editors

Notepad++, Atom, Sublime, Visual Studio Code

elements and `</tags>`







Let's get started!

Step 1: Make sure you have Google Chrome

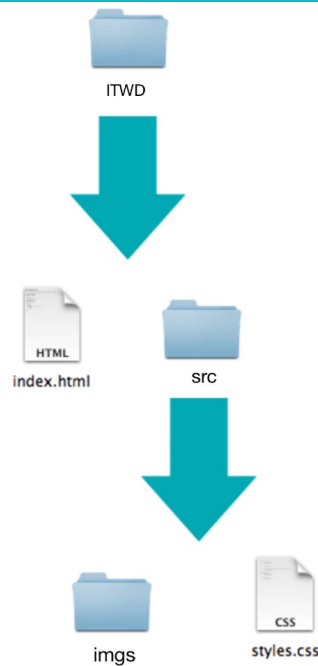
If you don't, get it.

Step 2: Get Visual Studio Code

Google search.

Let's continue!

Folder structure and naming files



BASH

DOS

```
$ ls
```

```
$ cd Desktop
```

```
$ mkdir ITWD
```

```
$ ls
```

```
$ cd ITWD
```

```
\> dir
```

```
\> cd Desktop
```

```
\> mkdir ITWD
```

```
\> dir
```

```
\> cd ITWD
```

BASH

DOS

```
$ echo >> index.html
```

```
$ ls
```

```
\> echo >> index.html
```

```
\> dir
```




<!DOCTYPE html>, <head> & <html>



</tags>



```
<head>
```

```
<meta charset="utf-8">
```

```
<title> I show up in the tab! </title>
```

```
</head>
```



mini project!



CSS

Cascading Style Sheets

Allows you to change properties of
elements







without CSS



index.html

style.css



<head>

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

</head>



CSS Selectors

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

```
body {  
  color: yellow;  
  background-color: black;  
}
```



Ways of defining certain properties

COLORS

#FFFFFF

#000000

#0000FF

SIZES

50px

50em

50%



Let's change some properties!

font-size, color, and
background



Classes and IDs

.classes

#ids

```
<p class="kool"></p>
```

```
<p id="kool"></p>
```



Specificity rules in CSS

If you have two (or more) conflicting CSS rules that point to the same element, there are some basic rules that a browser follows to determine which one is most specific and therefore wins out.

More Specific = Greater Precedence



Calculating Specificity


The actual specificity of a group of nested selectors takes some calculating. You can give every **ID selector** (“#whatever”) a value of **100**, every **class selector** (“.whatever”) a value of **10** and every **HTML selector** (“whatever”) a value of **1**. When you add them all up you have a specificity value.





What's Git?

“...a version control system (VCS) for tracking changes in computer files and coordinating work on those files among multiple people. It is primarily used for source code management in software development, but it can be used to keep track of changes in any set of files.”







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GitHub?

Let's get you an account!



Let's get Git CLI

<https://git-scm.com/downloads>

Select your operating system and run installer

`run git --version` to check if git was installed successfully





```
git add file.txt  
git commit -m 'message'  
git push
```

Let's push your work!



</week 1>

