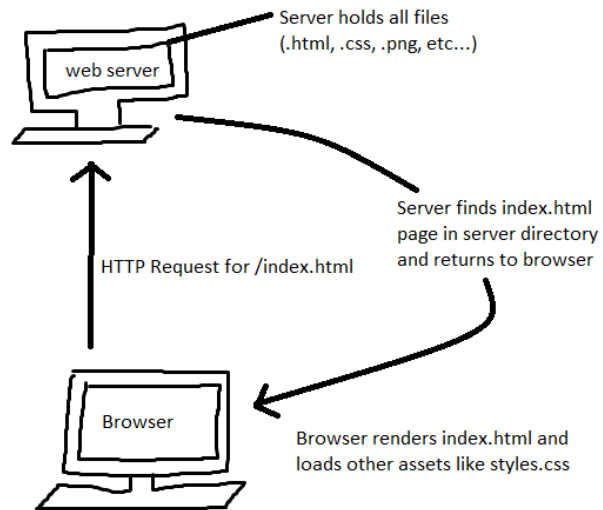# WCC Day One Recap

Open Command Prompt/Terminal

"cd C:\path\to\your\files" to move into the directory containing all of your files

"python -m SimpleHTTPServer" to start a server that will serve your assets (index.html, etc...)

visit http://localhost:8000 to view your site

web server

Server holds all files (.html, .css, .png, etc...)

Server finds index.html page in server directory and returns to browser

HTTP Request for /index.html

Browser

Browser renders index.html and loads other assets like styles.css

```html
<html>
    <head>
        <link rel="stylesheet" type="text/css" href="styles.css">
    </head>
    <body>
        <h1 id="main-header">FAVORITE THINGS</h1>
        <ul>
            <li class="buzzy">Bees</li>
            <li>Beads</li>
            <li>Beers</li>
        </ul>
        <img src="http://images.google.com/cool_dog.png"/>
    </body>
</html>
```

HTML file made up of a tree of tags

<html> always root tag, <head> and <body> as it's children (first level tags underneath <html>)

Load other assets like stylesheets within <head>

Can use relative URLs (ex: styles.css) or absolute URLs (ex: http://images...)

<h1>/h2/h3/h4/h5 Header tags, large font

<p> Paragraph tags, standard text

 unordered list

 list item, needs parent (tag containing <li>)

<img /> image tag, needs src attribute to load image from url, should include alt attr to describe image

```css
body {
    background: blue; /* this is a comment */
    font-size: 14px; /* this 14px size will apply to all elements in body */
}
ul {
    background: white; /* this background will override the blue body background only on the ul tag */
    border: 1px solid black;
    padding: 10px; /* this will add 10 px around the ul tag but within the border */
    margin: 20px 10px; /* this will add 20px to top and bottom, and 10px to left and right outside of the border */
}
ul li { /* space denotes looking for any li children within a ul tag */
    color: #444488; /* can use hex #000000 to #ffffff instead of predefined colors */
}
body > h1 { /* > denotes immediate child selector */
    font-size: 40px; /* can override default browser styling like enlarged h1 */
}
#main-header { /* use # to select by id */
    font-size: 20px; /* this will override the above rule since selecting by id is the most specific */
}
.buzzy { /* use . to select by class */
    color: yellow;
}
li.buzzy { /* can combine multiple types of selectors */
    font-weight: bold;
    list-style: none; /* hide <li> dot */
}
p, h1 { /* use , to apply the same styles to multiple selections */
    text-align: center; /* center text within a box */
    display: inline; /* default is "block". this will make the element only take up as much width as needed */
}
```