Technological empathy - Thinking like a programmer

1. Procedural thinking : Create instructions for the computer to follow
2. Abstract thinking : Avoid unnecessary repetition of work
3. Systems thinking : Big problem - Big picture thinking, decision making
4. Technological empathy : Understand what a computer is.
5. Debugging : Finding the cause of a computer program that doesn’t work

HTML – HyperText Markup Language

* Plain text, HTML, images, videos, music
* Browser <-> Internet <-> HTTP <-> Servers

<Opening tag> Contents </Closing tag>

<b> bold text </b>

<em> emphasis – italic text </em>

<br> break (void) / skip a line – doesn’t need a closing tag

<p> paragraph </p> - line break at the end

Without the closing tag of <em> for example, everything is italicized.

Making a webpage links

<TAG ATTR = “value”> contents </TAG>

<a> - anchor tag href – attribute name

Value – URL contents – click place of the link

Ex) This website is <a href = "udacity.com">my favorite</a>

Adding Images

<img> - images

<img src = “url” alt = “text”>

Inline vs Block

<br> <b> <em> <img> <a> <strong> - inline

<p> - block : Makes an individual box around the text – can have width/height

Span vs Div

<span class = “foo”> text </span> - inline / foo is CSS

<div> text </div> - block

HTML Documents Structure

<!DOCTYPE HTML> - doctype

<html>

<head> - meta-data Javascript CSS

<title> TITLE ! </title>

</head>

<body>

<b> contents </b>

</body>

</html>