STEM GIRLS UNIVERSITY WEB DESIGN & CODING

WEBSITE DESIGN BRAINSTORMING OF:

_____

(YOUR NAME HERE)

FINAL PRODUCT:

<WEBSITE HEADER>

IMAGE #1

IMAGE #2

LIST HEADER

- LIST ITEM #1
- LIST ITEM #2
- LIST ITEM #3
- LIST ITEM #4

LIST HEADER

- LIST ITEM #1
- LIST ITEM #2
- LIST ITEM #3
- LIST ITEM #4

PRE-PLANNING
FOR TODAY'S WEBSITE

- WHAT KIND OF IMAGE WOULD YOU LIKE TO HAVE ON YOUR WEBSITE? A PICTURE OF SATURN? THE GRAND CANYON?

- THINK OF A LIST OF THINGS YOU LIKE THAT YOU CAN ADD TO YOUR LIST ITEMS.

- WHAT COLORS WOULD YOU LIKE TO USE FOR YOUR FONT AND BACKGROUND?

PRE-PLANNING
FOR TOMORROW'S WEBSITE

- WHO IS GOING TO BE LOOKING AT MY WEBSTE, IN OTHER WORDS, WHO IS MY AUDIENCE?

- WHAT MESSAGE AM I TRYING TO GET ACROSS WITH THIS WEBSITE? HOW CAN I MAKE THE MOST IMPORTANT PARTS STAND OUT?

- WHAT KINDS OF COLORS AND SHAPES DO I WANT TO USE?

- DOES MY WEBSITE HAVE A THEME?

MAKING THE SKELETON

STEP 1: Type this into your text editor and save it as: index.html

```
<!DOCTYPE HTML>
<head>
  <title> The Page Title </title>
</head>
<body>
</body>
</html>
```

SKELETON PARTS

TAGS!

`<!DOCTYPE HTML>`

This line tells the computer what kind of document you want it to read & it must be the very first part of your file.

`<head>`

  `<title>` The Page Title `</title>`

`</head>`

The head contains information about your website that is not displayed on the page. We're only adding the title here which will show up in the browser tab.
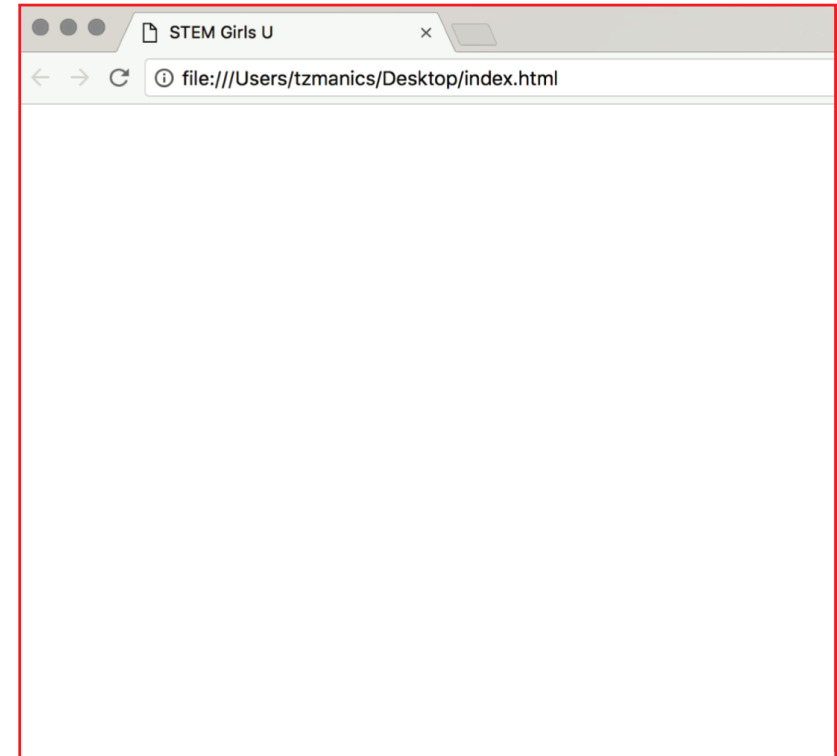
Since the `<title>` tag is inside of the `<head>` tag we indent it with 2 spaces. This is called 'nesting' like how eggs fit inside a nest, all snuggled in.

Notice how there are pairs of tags; one with <> and one with </> these signify the open and closing of that tag.

LET'S SEE WHAT WE'VE MADE

Find your file named `index.html` and open it by double clicking. This should open a rendering of the file you typed. This means the computer translated what you typed and made the page you can now see.

You can also right-click the `index-.html` file and choose 'Open With...' then choose a web browser like Firefox, Internet Explorer, Chrome or Safari to see what the rendering looks like OR a text editor like Notepad to look at your code.
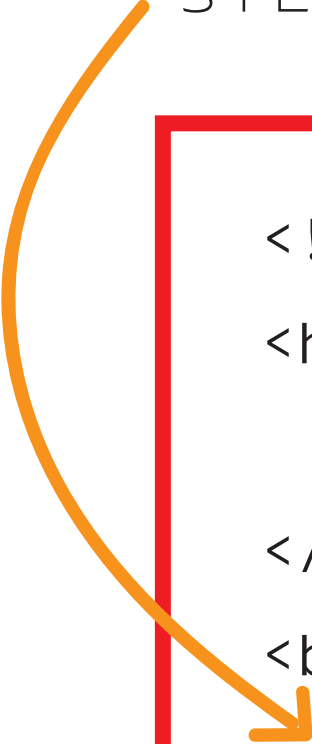

STEM Girls U

file:///Users/tzmanics/Desktop/index.html

* not much there just yet

ADD CONTENT

PAGE HEADER

STEP 2: Add the header you would like to display at the top of your page in the <h1></h1> header tags.

```
<!DOCTYPE HTML>
<head>
  <title>The Page Title</title>
</head>
<body>
  <h1>The Header of your Page</h1>
</body>
</html>
```

ADD CONTENT

SECTIONS

STEP 3:

Add two sections or <div></div> s. One to hold your images and one two hold your lists.
We will give them id's to help the computer find them later to style them.

```
<body>
  <h1>The Header of your Page</h1>
<div id="images">
</div>
<div id="lists">
</div>
</body>
```

ADD CONTENT

IMAGE CONTAINERS & IMAGES

STEP 4:

Add two more sections in your "images" <div> with a class of "image-container".
Then inside we'll load an image using the <img> tag. We can use a link to the image or a file.

```html
<div id="images">
  <div class="image-container">
    <img src="http://bit.ly/2dvRUKw">
  </div>
  <div class="image-container">
    <img src="images/puppies.jpg">
  </div>
</div>
```

LET'S SEE WHAT WE'VE MADE

ADD CONTENT

LIST CONTAINERS, LIST HEADERS & UN-ORDERED LISTS

STEP 5:

Now we'll do the same thing in our "lists" <div> with a class of "list-container".

Inside we'll add another header tag, this time <h3>, to add a header or title for out list.

Then under that, we'll add a bulleted list using the <ul> tag (which stands for 'unordered list' meaning it is bulleted instead of numbered).

```
<div id="lists">
  <div class="list-container">
    <h3>Food</h3>
    <ul></ul>
  </div>
  <div class="list-container">
    <h3>Plants</h3>
    <ul></ul>
  </div>
</div>
```
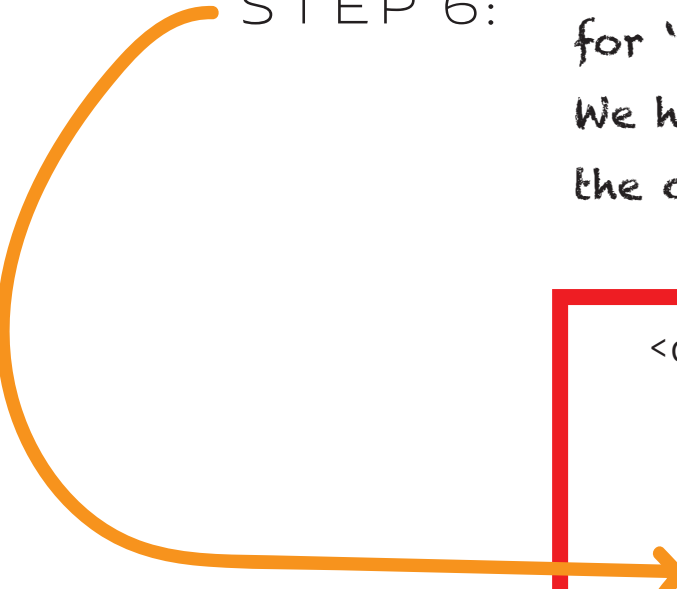
ADD CONTENT

LIST ITEMS

STEP 6:

To add items to our list we use the <li> tag which stands for 'list items'.

We have to make an open and close one for each item so the computer knows they are on separate lines.

```
<div id="lists">
  <div class="list-container">
    <h3>Food</h3>
    <ul>
      <li>Fruits</li>
      <li>Vegetables</li>
    </ul>
  </div>
  <div class="list-container">
    <h3>Plants</h3>
    <ul>
      <li>Trees</li>
      <li>Flowers</li>
    </ul>
  </div>
</div>
```

LET'S SEE WHAT WE'VE MADE

NOW LET'S MAKE IT LOOK GOOD!

ADD STYLE

CSS STYLESHEET

STEP 7:

One way to add style to your website is to add a `<link>` tag that contains the `rel`, `type` & `href` of your `.css` file.

```
<!DOCTYPE HTML>
<head>
  <title>STEM Girls U</title>
  <style>
    body { background-color: darkgray; color: aliceblue; }
</style>
<link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
```

STYLE.CSS FILE

THIS IS WHAT OUR FILE WILL LOOK LIKE.

```css
body {
    background-color: darkgray;
    color: aliceblue;
    font-family: Helvetica;
}

h1 {
    font-size: 155px;
    text-align: center;
}

img {
    min-width: 100%;
    min-height: 100%;
}

#images {
    width: 80%;
    margin: 0 auto;
}

.image-container {
    width: 50%;
    height: 500px;
    float: left;
    overflow: hidden;
}

#lists {
    width: 60%;
    margin: 0 auto;
    font-size: 150%;
}

.list-container {
    width: 35%;
    float: left;
}

.odd {
    float: right;
}
```

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EMAIL, CALL OR TEXT ME
I'M HAPPY TO ANSWER ANY QUESTIONS
OR JUST CHAT :)