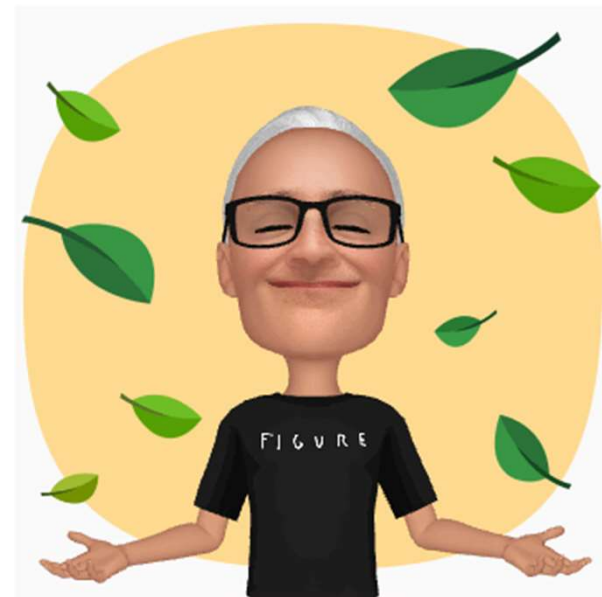MODULE 3

Introduction to HTML and CSS
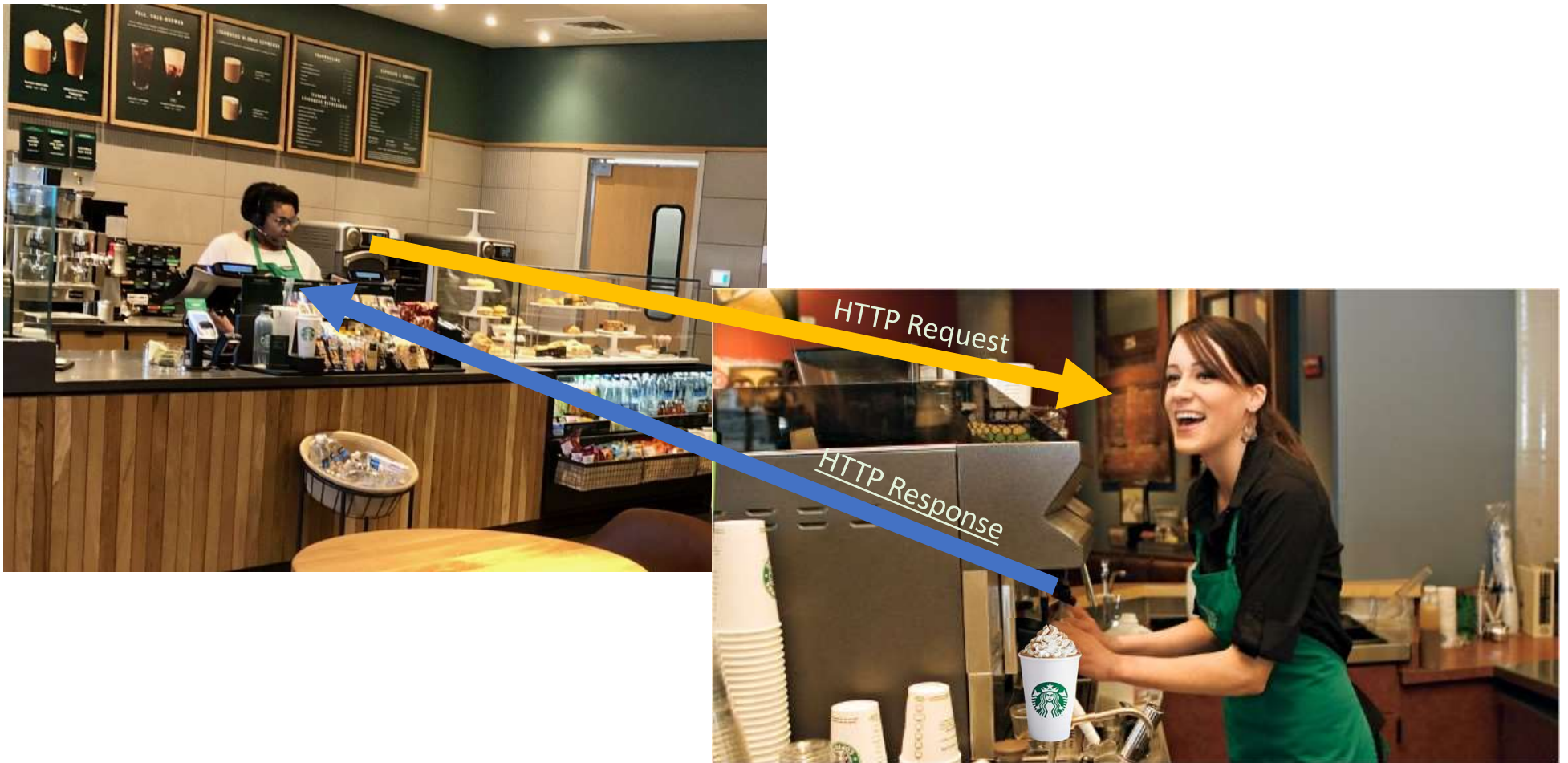
Welcome to Module 4!
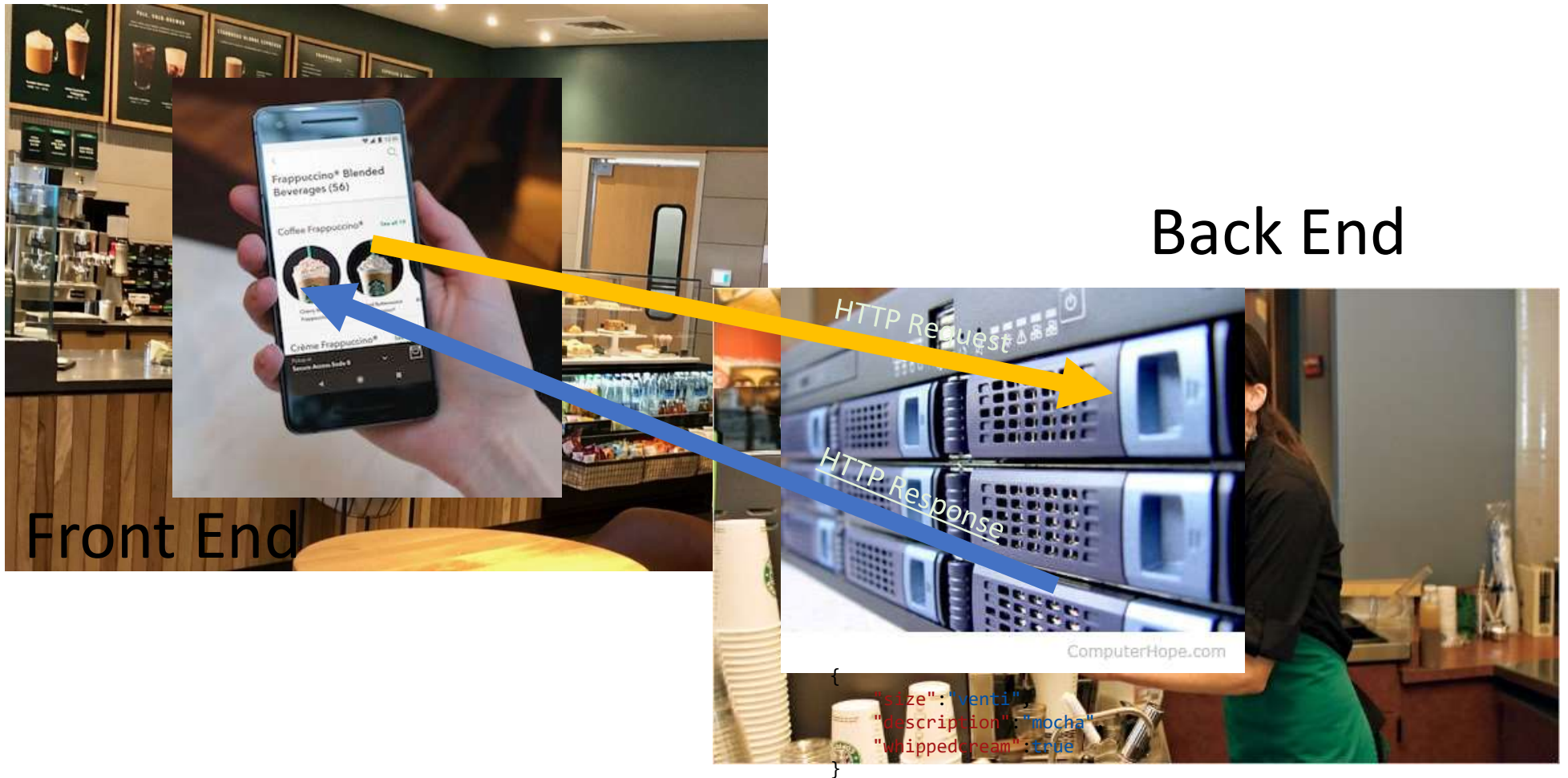
- Front End
  - HTML
  - CSS
  - FlexBox
  - Grid
  - JavaScript
  - Vue

Coffee process

Coffee process

Back End

HTTP Request

HTTP Response

Front End

{
    "size":"venti"
    "description":"mocha"
    "whippedcream":true
}

Let's talk HTML

- What does HTML stand for?
- HMTL: Hypertext Markup Language
- "Paired" tags to indicate format

Paragraph Tag

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas porta sagittis ex, id pulvinar massa sodales non. Praesent nulla est, tempor aliquam consectetur sit amet, volutpat eget magna. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam quis tristique elit, vel ullamcorper mauris. Cras at ullamcorper velit, in eleifend lorem. Integer dapibus vestibulum efficitur.

- Starting tag: **\<p\>**
- Ending Tag: **\</p\>**

Paragraph Tag

\<p\>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas porta sagittis ex, id pulvinar massa sodales non. Praesent nulla est, tempor aliquam consectetur sit amet, volutpat eget magna.**\</p\>**
\<p\>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam quis tristique elit, vel ullamcorper mauris. Cras at ullamcorper velit, in eleifend lorem. Integer dapibus vestibulum efficitur. **\</p\>**
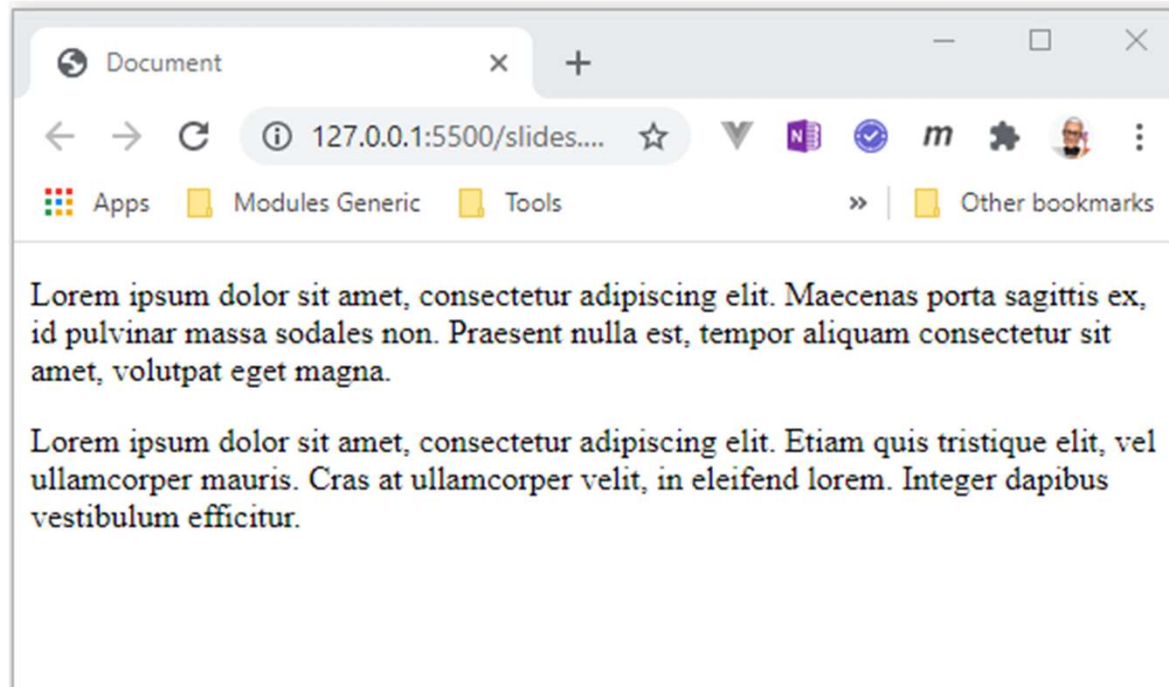
Paragraph Tag

Other Popular Formatting Tags

- Headers

```
<h1>Heading 1</h1>
<h2>Heading 2</h2>
<h3>Heading 3</h3>
<h4>Heading 4</h4>
<h5>Heading 5</h5>
<h6>Heading 6</h6>
```

- Bolding text
  - **This is bold**
- Italicizing text
  - *This is italicized text*
- Images
  -

Semantic Tags

- Tags that group content together
- <html>
- <head>
- <body>
- <header>
- <main>
- <section>
- <nav>

Interaction Tags

- Links/Anchors
  - TE
- Get User Input
  - <form method="POST" action="api/auction">
  - <label>
  - <input>
  - <button>

Simple HTML Document

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas porta sagittis ex, id pulvinar massa sodales non. Praesent nulla est, tempor aliquam consectetur sit amet, volutpat eget magna.</p> <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam quis tristique elit, vel ullamcorper mauris. Cras at ullamcorper velit, in eleifend lorem. Integer dapibus vestibulum efficitur. </p>
</body>
</html>
```

CSS: Cascading Style Sheet

- CSS is the way we tell HTML how to format itself

- CSS can be included by:
  - inline on any element with a style attribute
  - within the document under a <style> element
  - external document reference with a <link href=> element

Styles applied by tag

```
body {
        background-color: green;
}
```

LET'S CODE!

WHAT QUESTIONS DO YOU HAVE?

Reading for tonight:
CSS Selectors and Box Model