

# CODING 101: HTML + CSS

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# **LEARNING OBJECTIVES**

- **Fundamentals of the Internet**
  - Requests / Response, Client vs. Server
  - DNS, domains, http protocol, IP addresses
- **Front-End vs Back-End**
- **HTML**
- **CSS**
- **Wrap-up**

# What is the Internet?

**Front-End**

**VS**

**Back-End**

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# FRONT END LANGUAGES

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# FRONT END IS MADE UP OF...

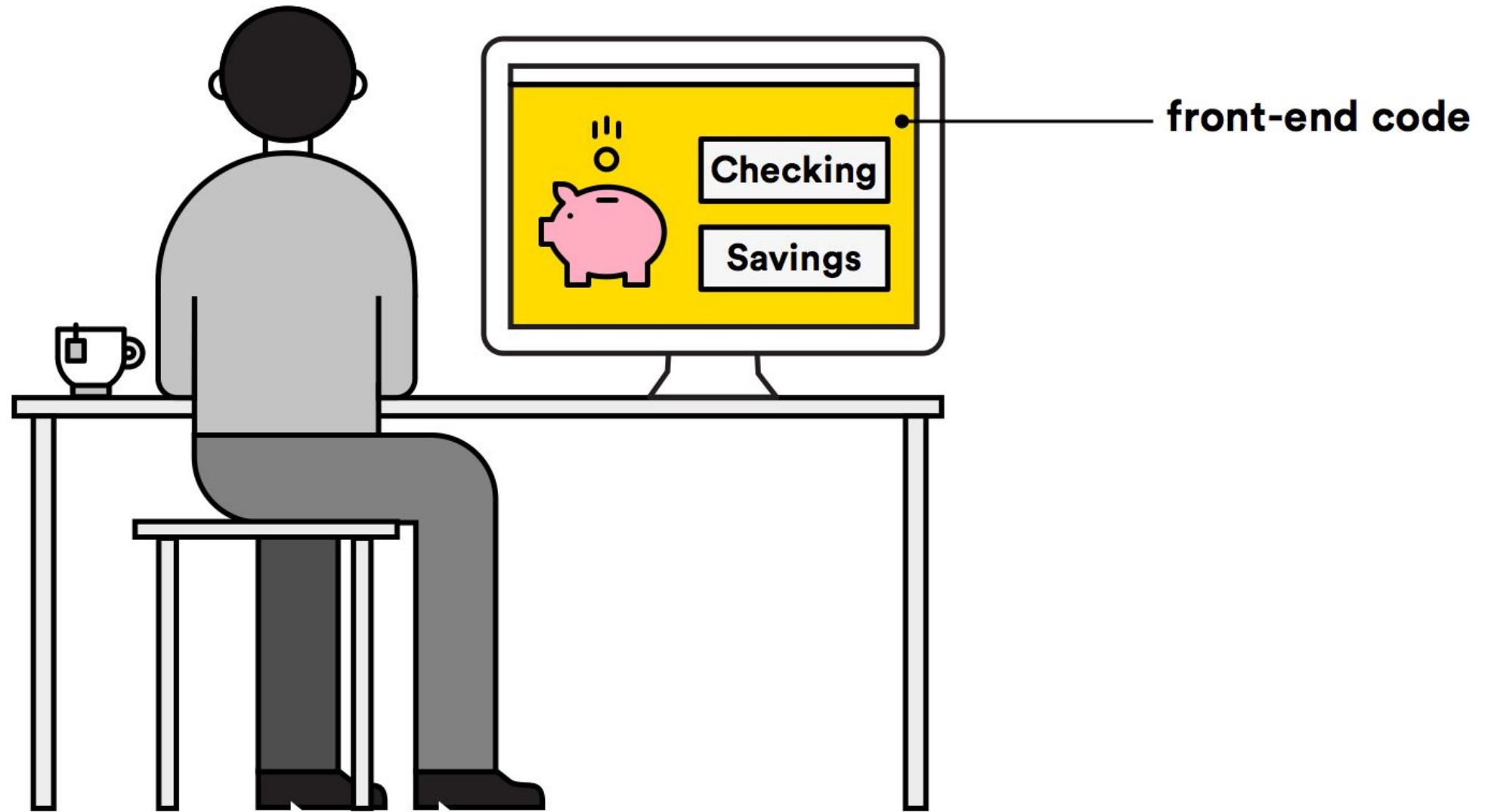
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**HTML**

**CSS**



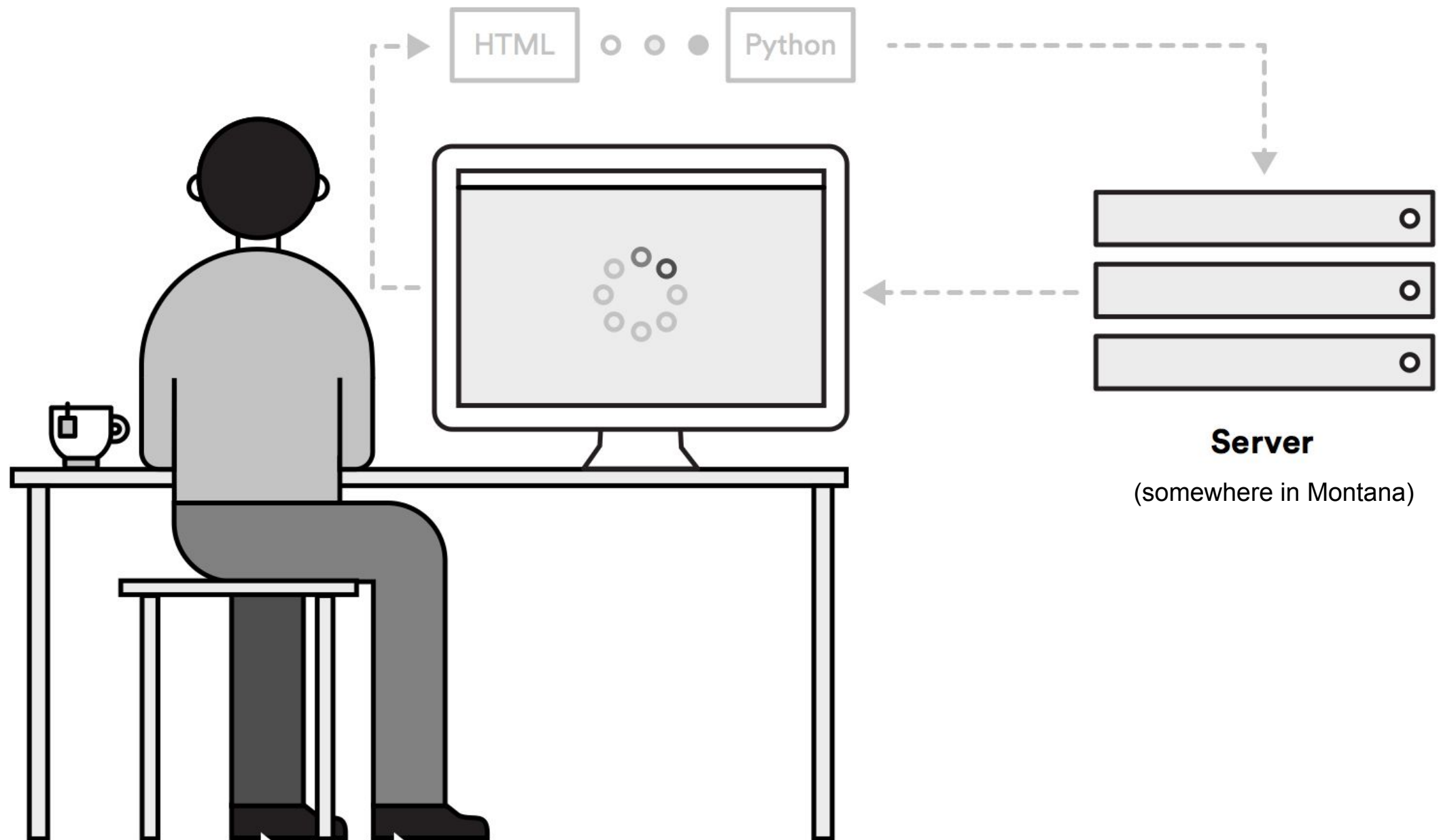
**JavaScript**

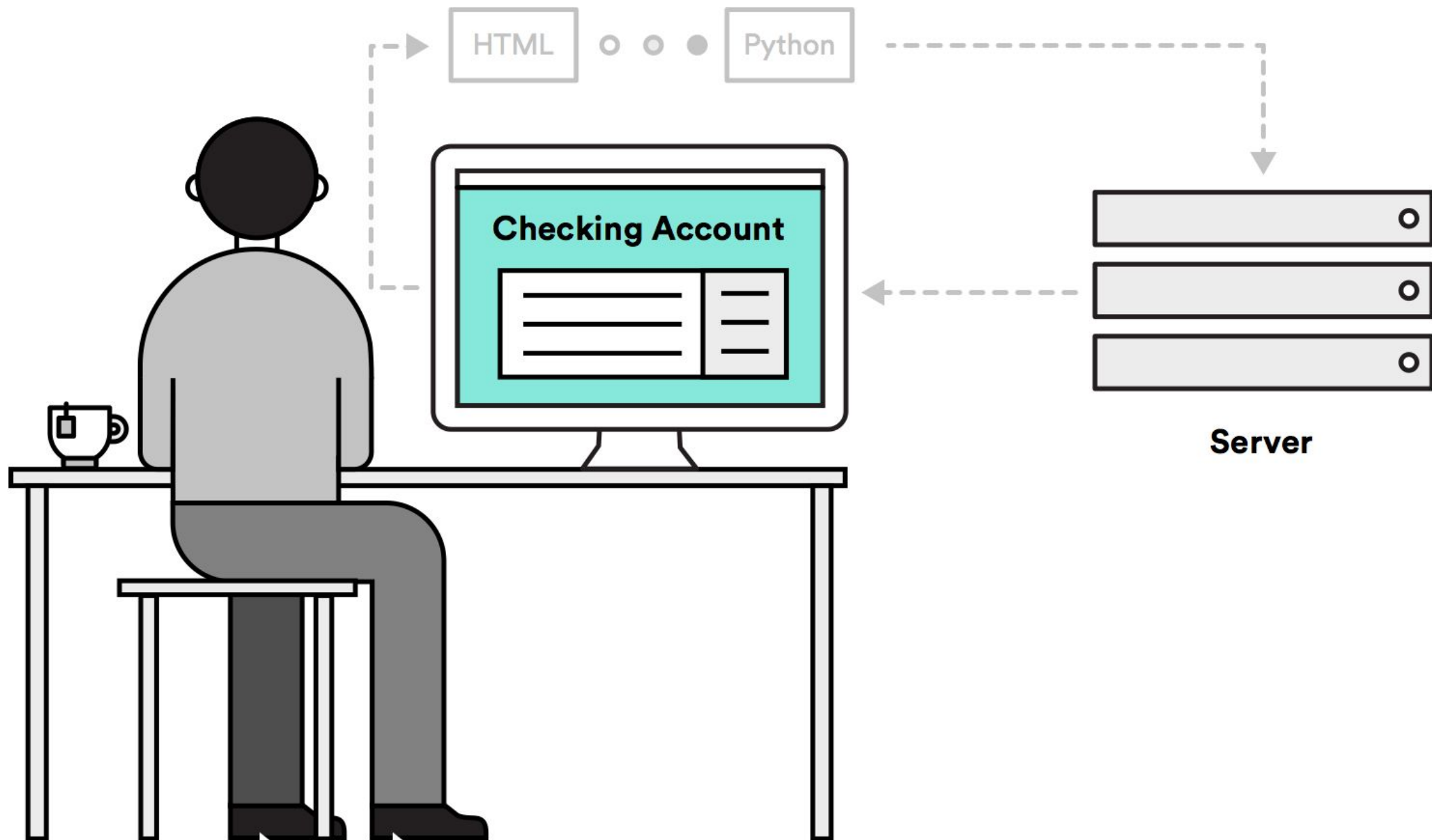


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# THE BACK END







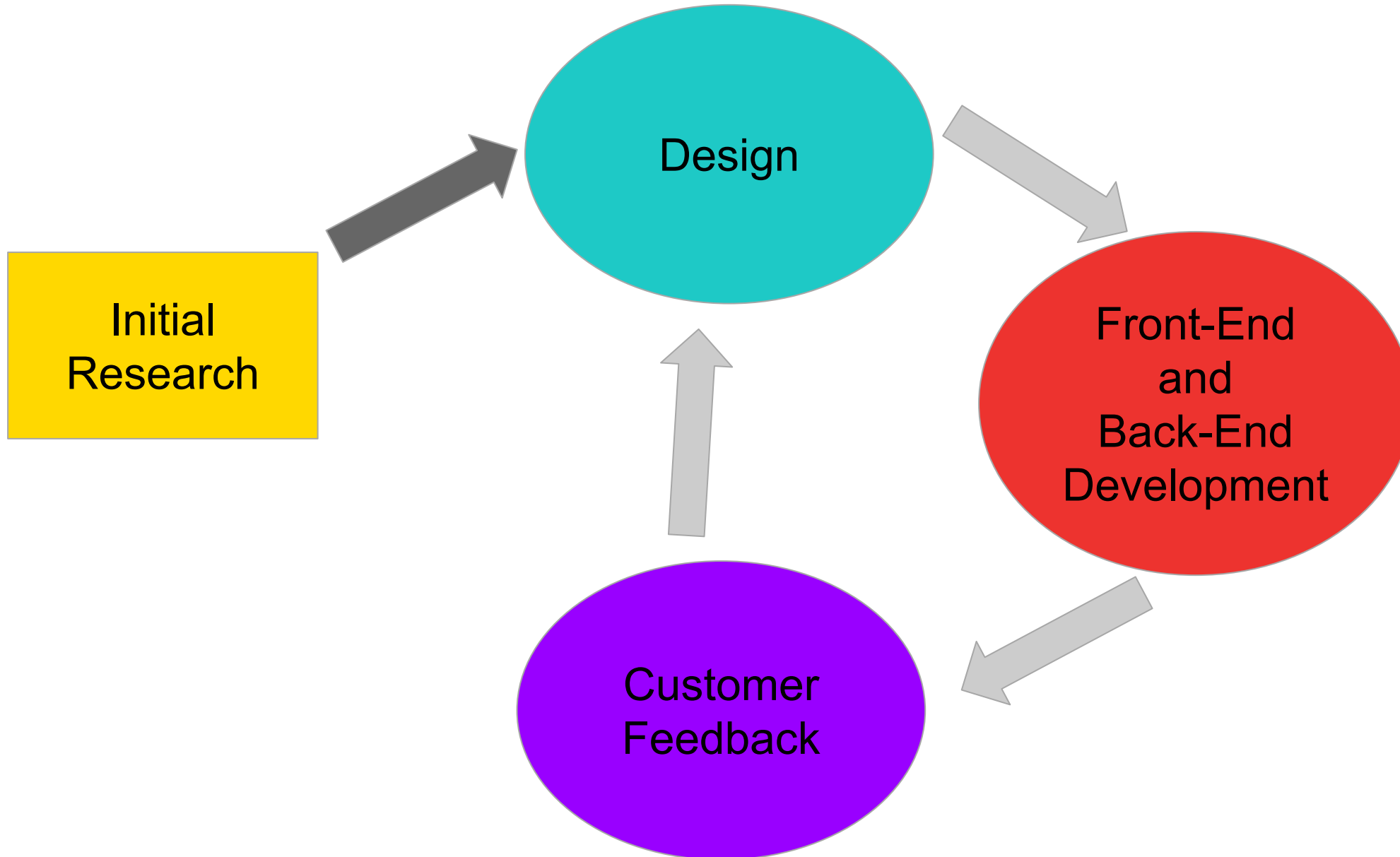
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**WHERE DOES FRONT END WEB DEVELOPMENT FIT IN?**

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# WEB PRODUCTION WORKFLOW

# WEB PRODUCTION WORKFLOW



Front-End Dev:

- Take the design and turn it into code and assets.
- Use HTML, CSS, and JavaScript to create the structure for a page, add style, and functionality.
- Other responsibilities: accessibility, performance, cross-browser and cross-device functionality.

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**CODING 101 : HTML + CSS**

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# Let's Code!

>

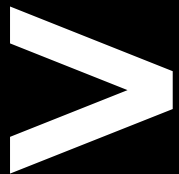
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## CODING 101 : HTML + CSS

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# HTML

- OPEN / CLOSING TAG ( `<>` `</>` )
- Head, body, nav, main, footer, section, div, span



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# HTML : HYPER TEXT MARKUP LANGUAGE

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Use these tags to make your own Newspaper!

- **<b>Bold text!</b>**
- **<u>Underlined text!</u>**
- **<p>A new paragraph!</p>**
- **<i>Italicized text!</i>**
- **<h1>Biggest header!</h1>**
- **<h2>2nd Biggest header!</h2>**
- **<h5>This text is a pretty small header...</h5>**
- **There is a horizontal line between here <hr> and here!**
- **There is a line break right after this text <br>**

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## MORE...

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Use these tags and properties to enhance your newspaper!

### HTML

- ``
- ``
- `<a href="URLtoSomewhereCool">I'm the text to click!</a>`



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# Make sure your HTML file has this outline:

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```
<!DOCTYPE html>
  <head>
    <link type="text/css" rel="stylesheet" href="theNameOfYourCSSFile.css">
  </head>

  <body>
    <p>Hello! All of the content goes inside the body tag!</p>
  </body>

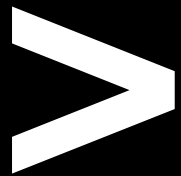
</html>
```

Be sure to utilize indentation / spacing for clean, communicative code

# CODING 101 : HTML + CSS

# CSS

- LET'S LOOK AT THE CONSOLE



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# CSS: CASCADING STYLE SHEETS

- cascading nature of style declarations
  - Specificity - how does CSS calculate/determine this?
- .class
- #id
- element
- psuedo selectors
- psuedo attributes
- Transitions / animations

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**SO, WHO NEEDS TO  
KNOW ABOUT THIS  
STUFF?**

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# **JOBS!**

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Business  
Managers



Product  
Managers



Designers



Marketers



Programmers

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# WRAP-UP

Quick Survey:

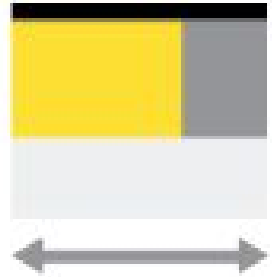
[www.ga.co/surveychi](http://www.ga.co/surveychi)

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# HOW TO LEARN THIS AT GA?



**PART-TIME:**  
**JS/FEWD**



**ONLINE:**  
**HCD**



**FULL-TIME:**  
**WDI / WDIR**

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# ACTIVITY: AFTER CLASS YOU CAN...

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## DIRECTIONS

1. Go to [dash.ga.co](https://dash.ga.co)
2. There are 5 projects available to you that cover what we went over tonight and more!
3. HTML/CSS resources
  - Marksheet.io
  - <https://learn.shayhowe.com/>
  - JavaScript:  
<https://github.com/getify/You-Dont-Know-JS>



EXERCISE



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## **CODING 101 : HTML + CSS**

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# Q & A

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# THANKS!

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## **Brett Haymaker**

- Let's get coffee and talk about websites, companies, teaching, tech!
- [brett.haymaker@gmail.com](mailto:brett.haymaker@gmail.com)
- [brett-haymaker.com](http://brett-haymaker.com)
- [@bretthaymaker](https://twitter.com/bretthaymaker)

# Our Courses

	Front-End Web Development	Javascript Development	Web Development Immersive
Length	10 weeks, 2 evenings per week	10 weeks, 2 evening per week, online	12 weeks, full-time
Next Lesson	July 31 - Online Sept 25 - In-Person	August 14 - Online	September 11
Hours	~70 hours	~50 hours	Over 500 hours
Outcome	Learn to code beautiful web pages	Learn to animate web pages using Javascript	Get the skills and resources to launch a new career
Tuition	\$3,950	\$3,950	\$13,950

# Coming up: [ga.co/chicago](https://ga.co/chicago)

<b>Python 101</b>	<b>11/7</b>
<b>Code in One Day</b>	<b>11/11</b>
<b>JavaScript 101</b>	<b>11/29</b>
<b>Intro to Python</b>	<b>12/2</b>

General Assembly:

