

# 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**

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# **What is the Internet?**

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# **Front-End vs Back-End**

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# FRONT END LANGUAGES

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**FRONT END IS MADE UP OF...**

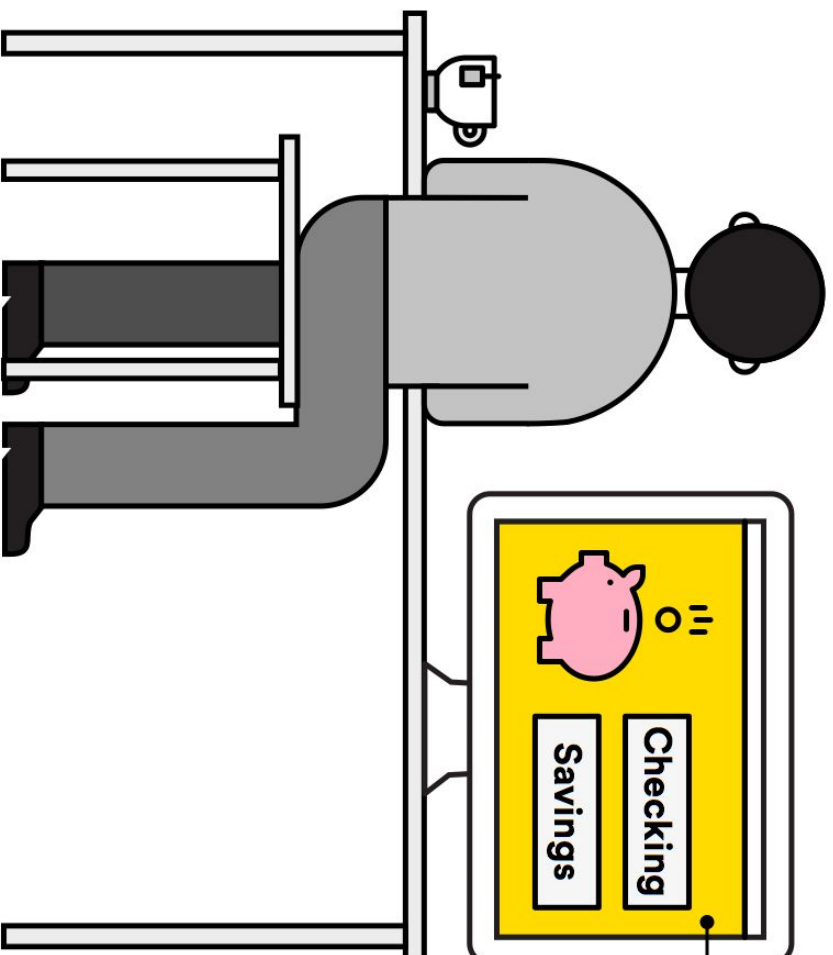
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**HTML**

**JavaScript**

**CSS**



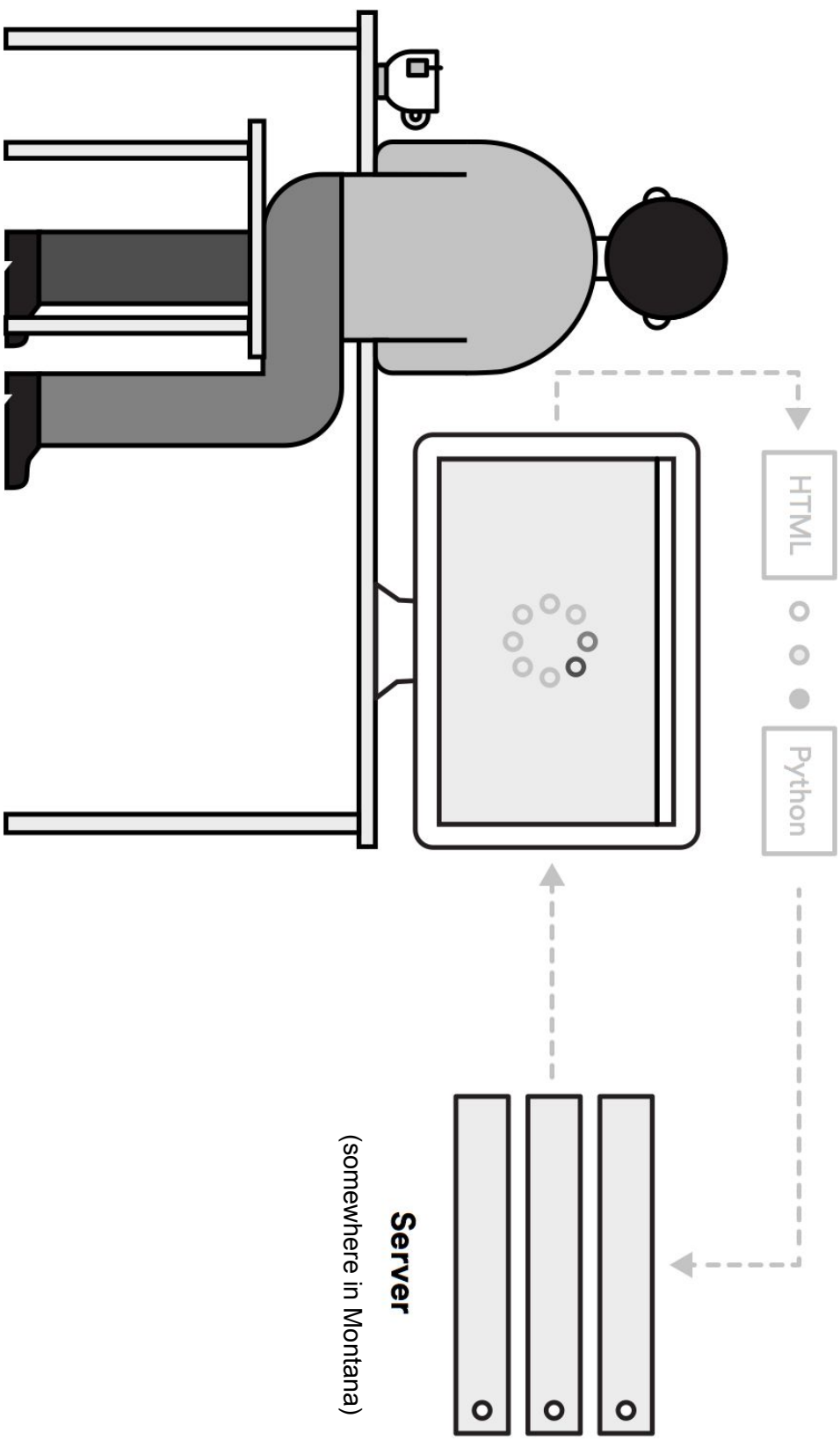


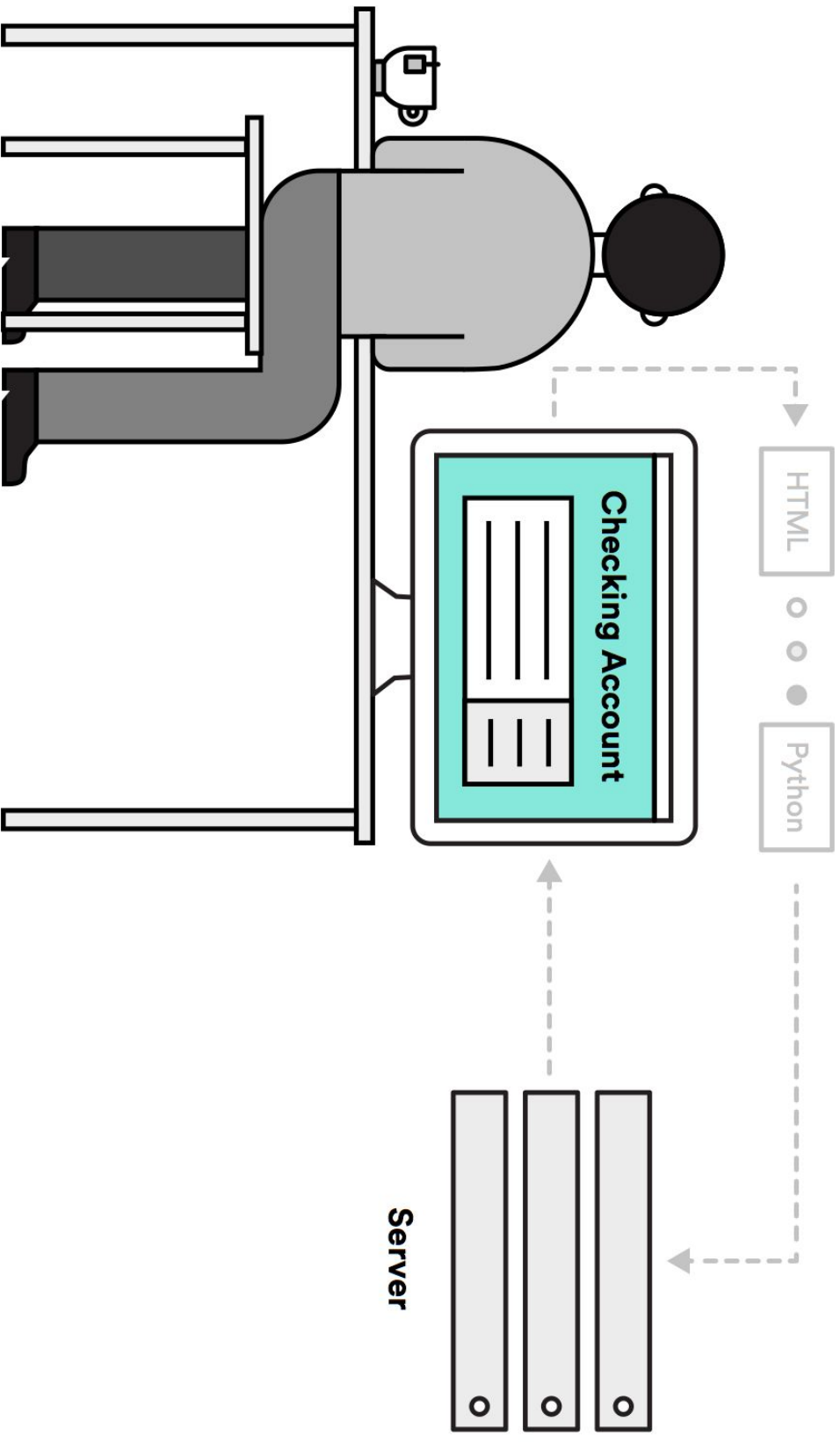
front-end code

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# THE BACK END







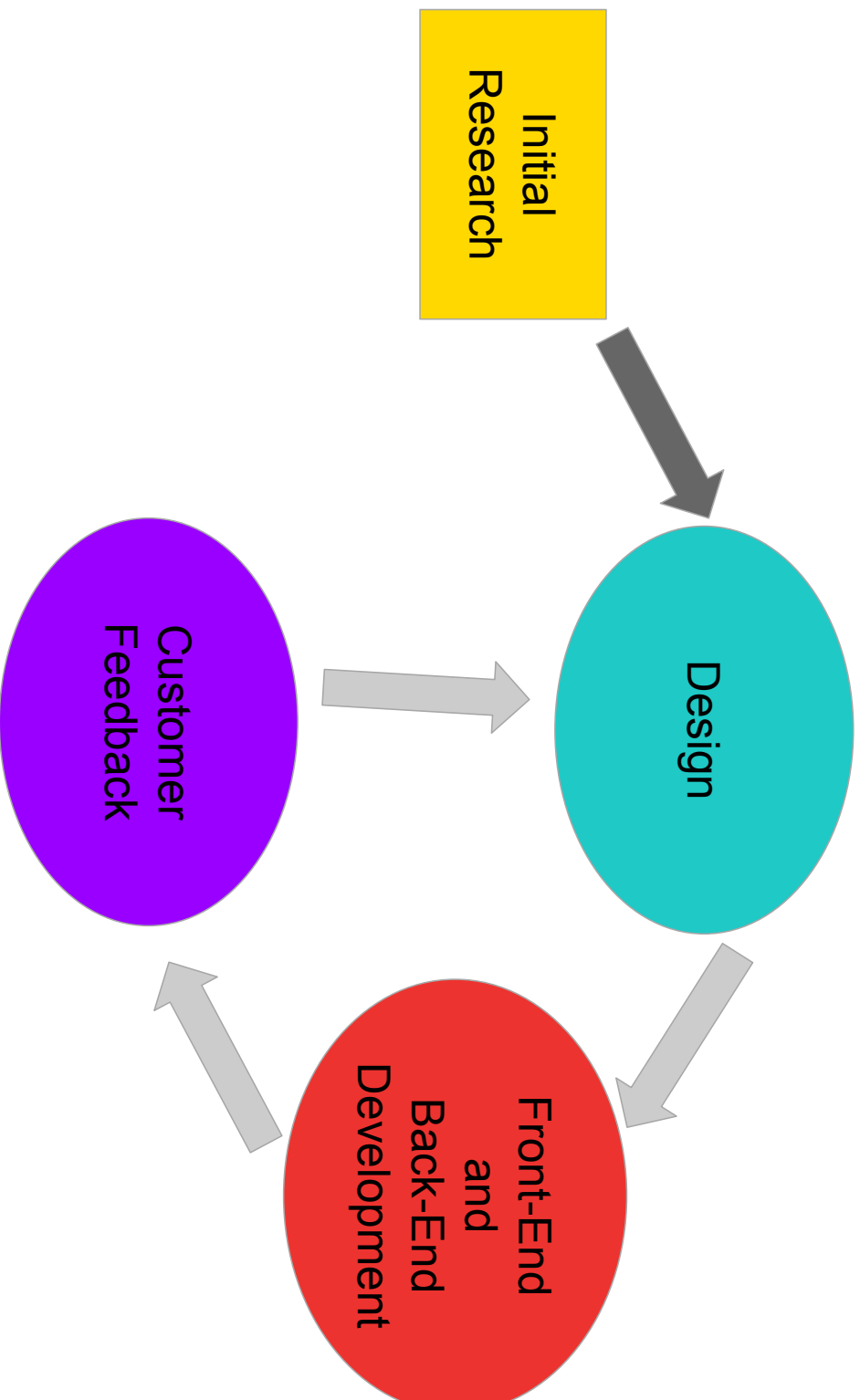
**WHERE DOES FRONT END WEB DEVELOPMENT FIT IN?**

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# WEB PRODUCTION WORKFLOW

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## 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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# Let's Code!



# HTML

- OPEN / CLOSING TAG ( `<>` `</>` )
- Doctype, 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>`

## 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

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# 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**
- **@media queries**

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

# **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:**

**ONLINE:**

**FULL-TIME:**

**JS/FEWD**

**HCD**

**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://marksheet.io)
  - <https://learn.shayhowe.com/>
  - JavaScript:  
<https://github.com/getify/You-Dont-Know-JS>



EXERCISE



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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](http://@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)

<a href="#"><u>Web Development Course</u></a> <a href="#"><u>Info Session</u></a>	<b>2/26</b>
<a href="#"><u>Code in One Day:</u></a> <a href="#"><u>Bootcamp</u></a>	<b>3/10</b>
<a href="#"><u>Intro to Python Bootcamp</u></a>	<b>3/24</b>

General Assembly:

