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?
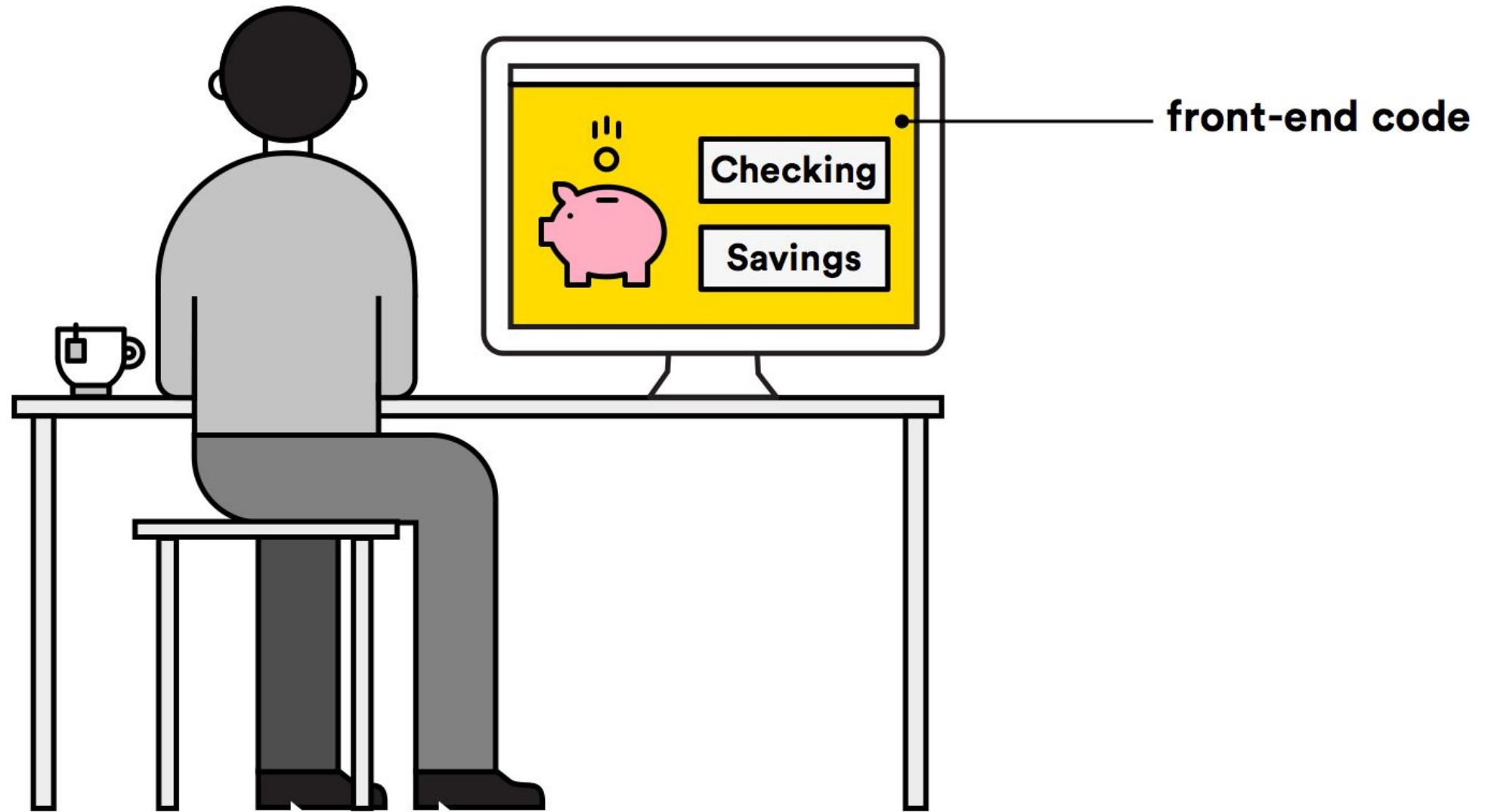
Front-End vs Back-End

FRONT END LANGUAGES

HTML

JavaScript

CSS

front-end code

THE BACK END

HTML ○ ○ ● Python

Server

(somewhere in Montana)

HTML ○ ○ ● Python

Checking Account

Server
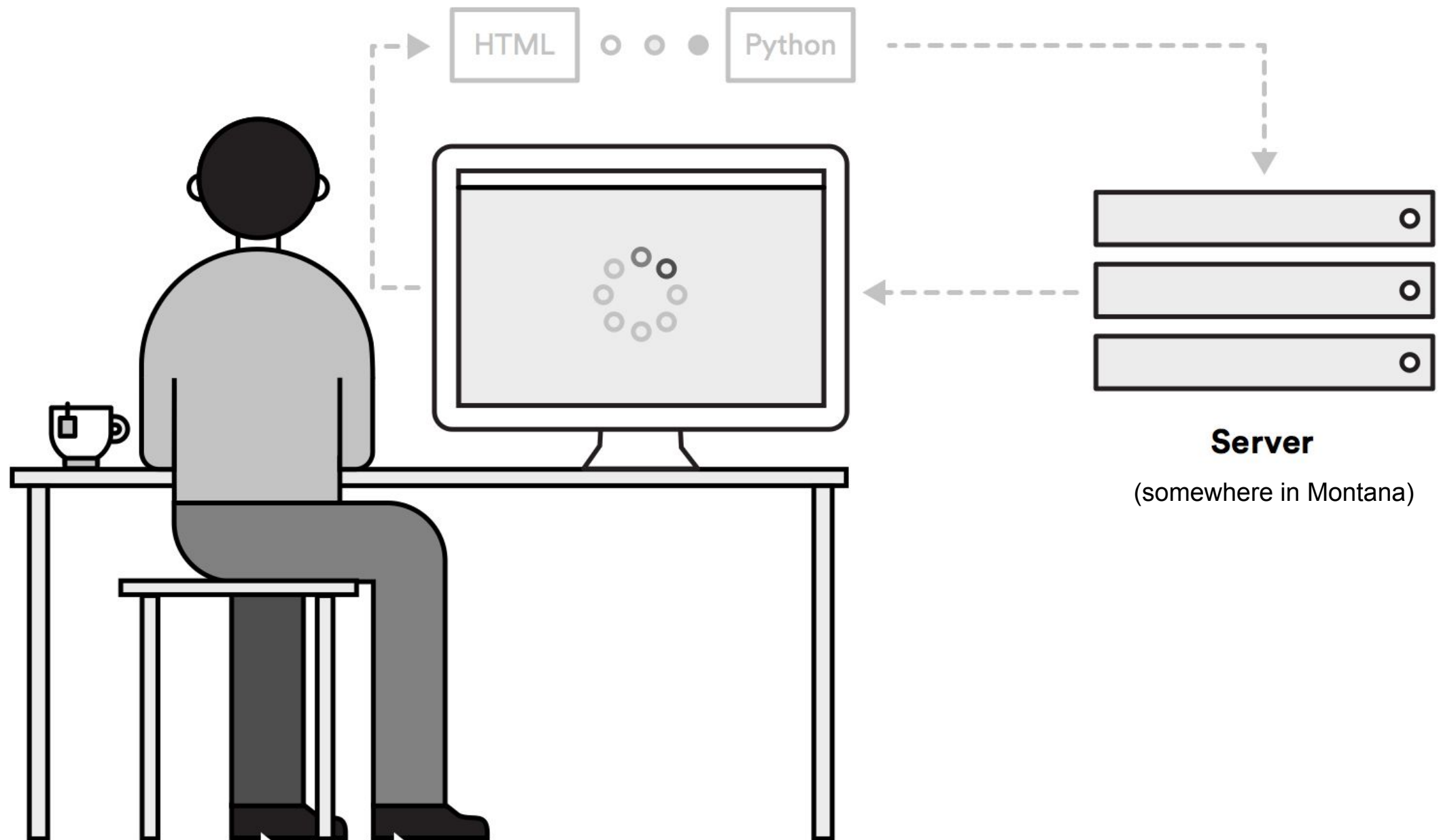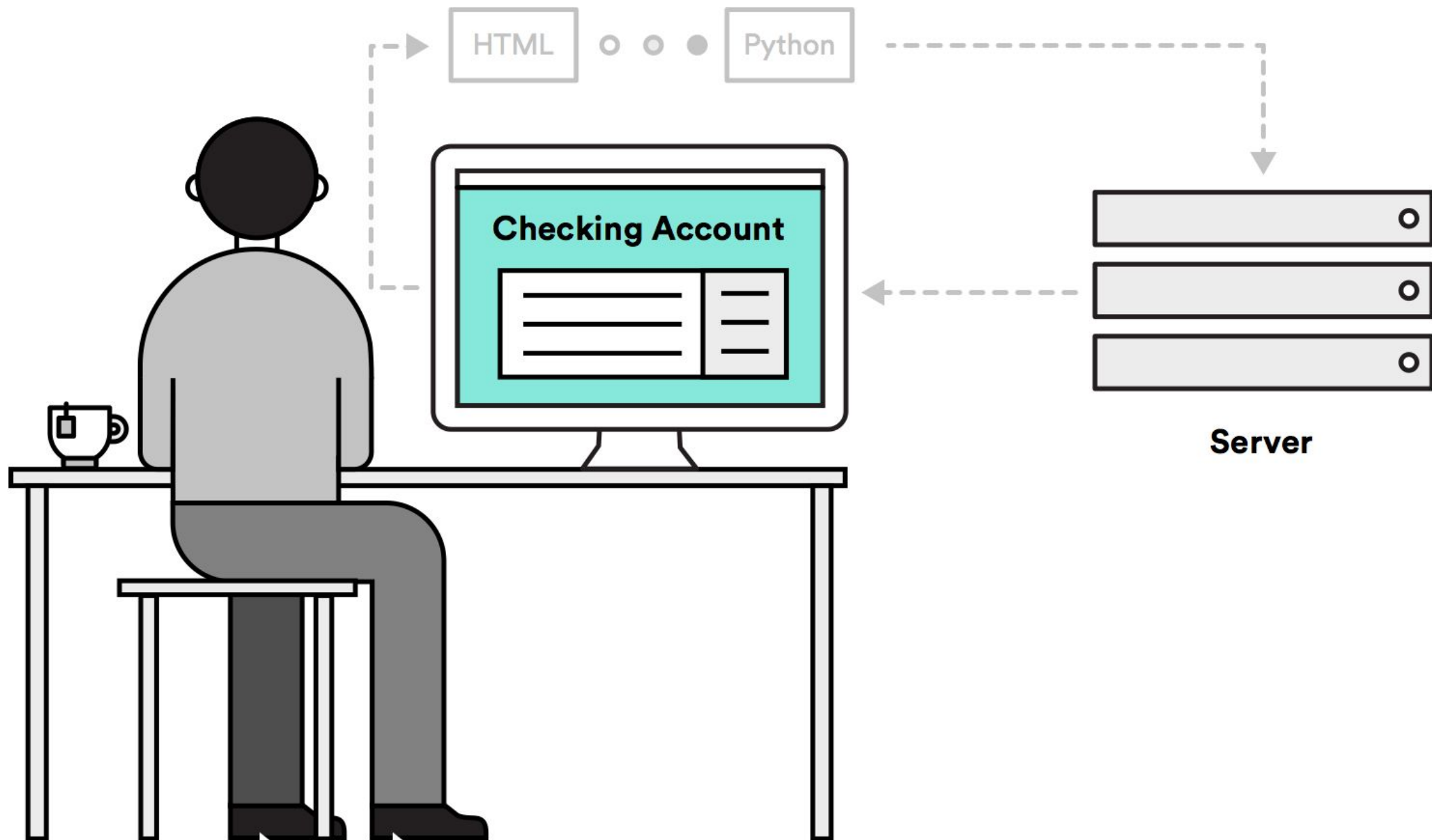
WEB PRODUCTION WORKFLOW

WEB PRODUCTION WORKFLOW

Initial Research

Design

Front-End and Back-End Development

Customer Feedback
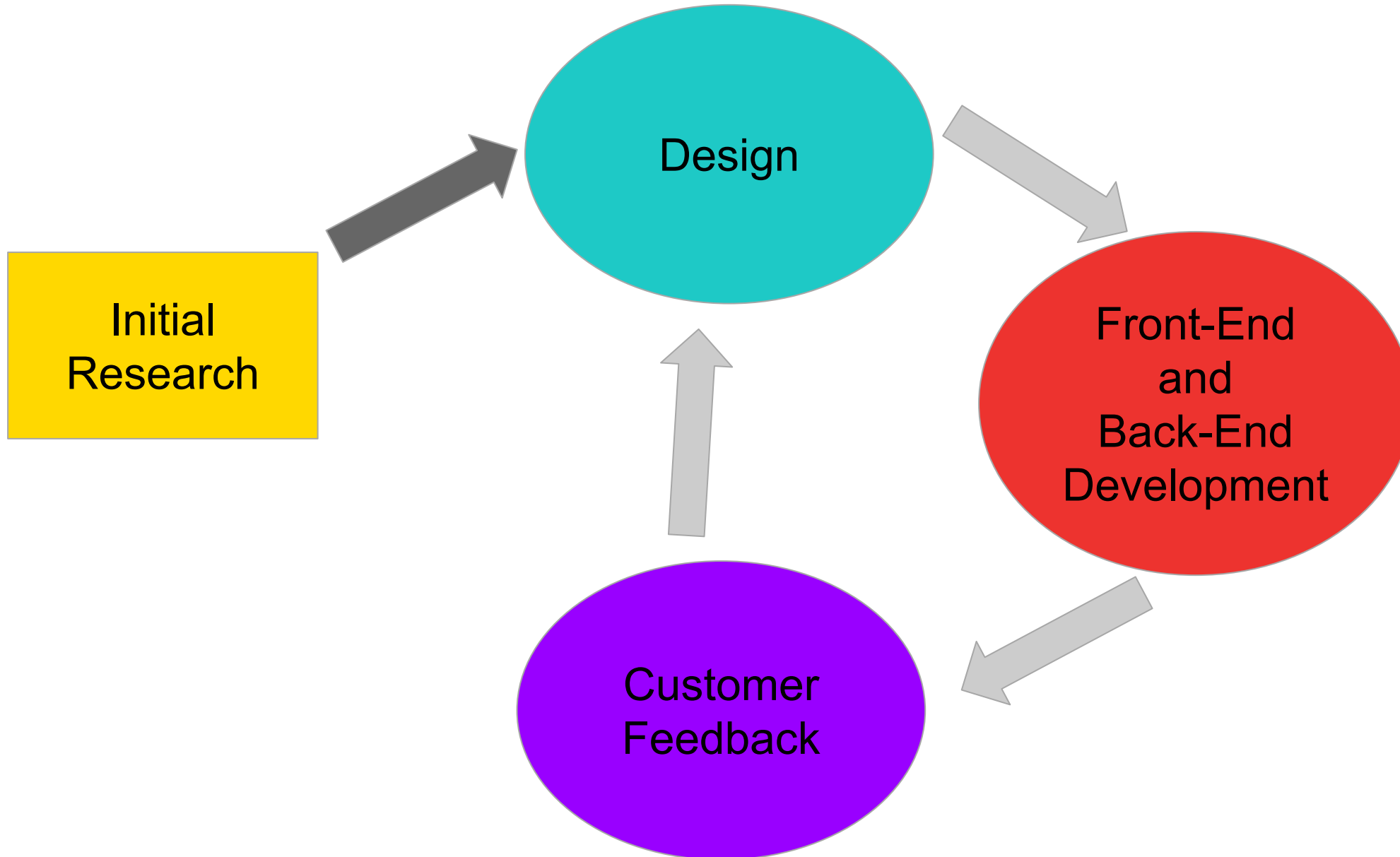
Front-End Dev:
- Take the design and turn it into code and assets.
- Use HTML, CSS, and JavaScript to create the structure for a page, add style, and functionality.
- Other responsibilities: accessibility, performance, cross-browser and cross-device functionality.
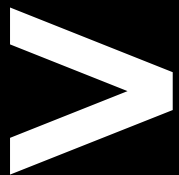
Let's Code!

>

HTML

- **OPEN / CLOSING TAG (<> </>)**
- **Doctype, head, body, nav, main, footer, section, div, span**

>

HTML : HYPER TEXT MARKUP LANGUAGE

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...

Use these tags and properties to enhance your newspaper!
HTML
- **<img src="yourFileNameInTheSameFolder.PNG">**
- **<img src="URLToACoolPicture.PNG">**
- **I'm the text to click!**

Make sure your HTML file has this outline:

```html
<!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>
```
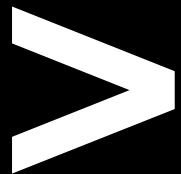
Be sure to utilize indentation / spacing for clean, communicative code

CSS

- LET'S LOOK AT THE CONSOLE

>

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**

SO, WHO NEEDS TO KNOW ABOUT THIS STUFF?

GA

JOBS!

Business
Managers
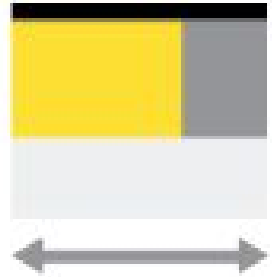
Product
Managers

Designers

Marketers

Programmers

WRAP-UP

Quick Survey:

www.ga.co/surveychi

HOW TO LEARN THIS AT GA?

PART-TIME:

JS/FEWD

ONLINE:

HCD

FULL-TIME:

WDI / WDIR

ACTIVITY: AFTER CLASS YOU CAN…

EXERCISE

DIRECTIONS

1. Go to 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

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Q & A

THANKS!

Brett Haymaker

‣ Let's get coffee and talk about websites, companies, teaching, tech!

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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

General Assembly

Coming up: ga.co/chicago

JavaScript 101	**11/29**
Intro to Python	**12/2**
Code in One Day: Bootcamp	**12/16**

General Assembly: