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Web Development

Day 9: Final Project

Wrapping Up JavaScript & Final Project

Icebreaker!

Today's Schedule

Morning:

- Project: Random Quote Generator
- Review of HTML, CSS & JS
- Final Project w/ Pair Programming

Afternoon:

- Final Project continued
- Rockwell Mentors visit & Ask Me Anything panel

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Commonly Used DOM Methods

- document.getElementById(id)
- document.getElementsByTagName(name)
- document.createElement(name)
- parentNode.appendChild(node)
- element.innerHTML()
- element.setAttribute()
- element.getAttribute()
- element.addEventListener()

- window.onload()
- console.log()
- window.scrollTo()

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Running JS on HTML Page

Using buttons is a common way to execute JS functions, and it is easy to implement using the "onclick" attribute. You can also add any necessary arguments to the function, just like you would using a JS file.

```
<button onclick="myFunction()">
    Run a function
</button>
```

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Project: Random Quotation Generator

Open the "Random Quotation Generator" starter code and fork the pen.

Just as before, we'll read through the code together, starting with the HTML.

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HTML Review

- Syntax
    - Opening & closing tags
    - Arrow brackets
    - Attributes
- Elements

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CSS Review

- Selectors
  - HTML elements
  - Classes
  - IDs
- Properties
- Layout

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JavaScript Review

- Comments
- Variables
- Data Types
- Operating on Variables
- Template Literals
- Booleans
- Functions
- If Statements
- Arrays

- Loops
- Objects
- JSON
- The DOM

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Final Project

For the final project, you and a partner will be using pair programming to design a website for a business from scratch. This can be a single page site or multi-page.

Here are some ideas:

- Dog walking business
- Space tourism
- A tech company launching the newest, must-own device
- Personal chef for cats

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Final Project

Things to include for the business website:

- A front page with images
- An about page that explains the business
- A contact form
- An embedded map

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Final Project

- Spend 10 minutes brainstorming ideas then choose one to create
- Spend 10 minutes sketching out the basics of the web page
- Spend 10 minutes creating a wireframe
- Start coding!

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Reflection

Write in your journal about how you feel or what you learned today.

Prompts:

- How do you feel about creating a web page from scratch? Was it easier or harder than you expected?
- Of the web languages, which do you like the best? Why?
- What kind of website do you want to build next?

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