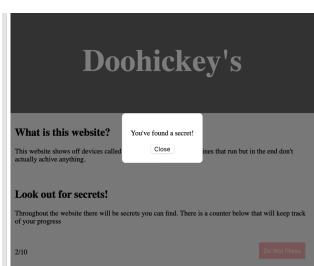Tab 2

ADVANCED TOPICS BLOCK F
LEARNING MODULE #8 - Website Design with HTML

Ian Behn and Kiki Watts

April 15th, 2025 - May 21st, 2025

Final Write Up

Group member's names: Ian Behn and Kiki Watts

Topics covered: HTML, Website Design, and Coding

What was your original goal for this project?

- Ian and Kikis original goal for this project was to learn about NFCs. They wanted to create a website and use the NFCs to connect to their website. However, throughout the learning module, their goals changed slightly. Toward the end of the project, they wanted to learn more about HTML and create a website.

What did you learn from this activity?

- In this learning module, Ian and Kiki learned the basics of HTML. They were able to create a website using HTML. For example, they learned how to create buttons and have an action that will happen when the button is pressed.

What problems did you encounter and how did you deal with them?

- At the start of this learning module, Ian and Kiki struggled with figuring out what to do. At first, they planned on creating a website with Bubble and focusing more on NFCs. However, they found this to be too easy and decided that it would be more valuable to learn about HTML and creating a website. The largest hurdle in this project was figuring out what to do. Even when they had the idea of making a website, they were not sure what they wanted the website to be. Ian struggled with staying focused during parts of the project.

What would you have done differently if you did this again?

- Ian and Kiki would have started their project sooner. In this learning module, they spent too much time figuring out what the project would cover. Therefore, they

would like to spend more time creating their website. Ian would spend less time being distracted in class and work more at home too.

What suggestions do you have for others who might pursue this activity?

- They would recommend others to find tutorials on the basics of HTML. During this learning module, they found the w3schools tutorial to be incredibly helpful. This allowed them to have a basic understanding in order to start creating their website.

What additional things could be added to this project

- Some additional things that could be added to this project are more details in their website. Ian and Kiki created a fairly simple website. It contains some buttons that trigger events but if they had more time they could add more "easter eggs" to their website.

A summary of your experience.

- In conclusion, Ian and Kiki found this to be a very fun and engaging experience. They were able to learn alot about HTML and how to create a website. Although it was not the most difficult learning module, they believe that learning HTML is a valuable skill.

LOG

IN SCHOOL WORK

Ian and Kiki - April 15th

Day #1

They worked on ideas for their learning module. They decided to create a website and use NFCs.

Ian and Kiki - Aprils 16th

Day #2

Ian and Kiki started working at Bubble. THey both created accounts for Bubble and started experimenting with the code in it.

Ian and Kiki - April 17th

Day #3

They worked on making the website in Bubble. They used different UI elements and were figuring out the design. They did not start the code for it yet.

Ian and Kiki - April 28th

Day #4

They switched to focusing more on the website than NFC. They also decided to switch to using HTML instead of Bubble. Since HTML will be more complicated, they hope they can learn more about coding in HTML.
https://marketplace.visualstudio.com/items?itemName=MS-vsliveshare.vsliveshare

Ian and Kiki - April 29th

Day #5

They began working on the W3Schools HTML tutorials. They also looked into live share on VScode. Live share is a way that Ian and Kiki can work together on their website on visual studios.

Ian and Kiki - April 30th

Day #6

They continued working on the HTML tutorial. They went over formatting and attributes in HTML.

Ian and Kiki - May 1st

Day #7

They both continued to use the w3schools tutorial. The tutorial started to cover more in depth topics like classes and file paths.

Ian - May 2nd

Day #8

Ian continued to work through the tutorial.

Ian and Kiki - May 5th

Day #9

Ian and Kiki were able to finish the tutorial. Then they started drawing out what they wanted their website to look like.

Ian and Kiki - May 6th

Day #10

They brainstormed how they wanted the website to be set up and researched how to make multiple pages on one site. They had the idea to have secrets hidden throughout the website. They also worked on making the liveshare on visual studios working. They got it so Ian and Kiki could work on the same code on separate computers.
https://prod.liveshare.vsengsaas.visualstudio.com/join?A1596B96883EBE0A5AAF2DEE509E3D19FF7E

Ian and Kiki - May 7th

Day #11

They began writing the code for the website. They are focused on the homepage to start. Ian looked into how they could store values so they can keep track of how many secrets someone found. Kiki researched how to code buttons in order to add some features to the website.
On click function - https://www.w3schools.com/jsref/tryit.asp?filename=tryjsref_onclick

Ian and Kiki were both absent - May 8th

Day #12

Ian - May 9th

Day #13

Ian researched webStorage so he could understand how to make the counter work. He learned about the .innerHTML property to

Ian and Kiki - May 12th

Day #14

 Ian was working on getting the formatting to look good. Kiki was working on understanding click functions and how to use buttons. She continued to learn about the coding of buttons. Insert: https://www.w3schools.com/jsref/tryit.asp?filename=tryjsref_node_insertadjacenthtml4

Ian and Kiki- May 13th

Day #15

Ian and Kiki continued working on the code for their website. They started the home page. They mostly worked on creating a basic design with an explanation of the website.

Ian - May 14th

Day #16

Ian did more research on how to use the web storage api

Ian - May 15th

Day #17

Ian added the secret counter script and tried to find the name of the element that is just clickable text and is essentially hidden

Ian - May 16th

Day #18

Ian did some more research on buttons in HTML. He came to the conclusion that he can use CSS to create buttons and started working on that.

Ian- May 19th

Day #19

Ian started creating and brainstorming to create another button. He wanted to make this button a secret that would trigger an action on the home page.

Ian - May 21st

Day #20

Ian added a button as a secret but could not get it to work correctly.

AT HOME WORK

Kiki
May 2nd - 4:00-5:00

Kiki continued working on creating a website in Bubble. She also researched how to make actions for certain events.

Ian
May 13th - 11:35-12:15

Kept working on making the formatting look good and began working on the counter for the secrets. He also added the file to the Github repository they set up at the beginning of the project so they could access everything at home.

Kiki
May 15th - 5:00-6:00

Kiki started looking for a tutorial in order to create buttons. Then she started working on making a simple button. It was not working well because she messed up the script for the button. It was supposed to be a simple button that would change the colors of the home page each time you clicked it. However, it did not change color each time, it only worked once.

Kiki
May 21st - 6:00-8:00

Kiki started creating a new effect. She started off by creating a button that would trigger the event. She used w3schools to help her create the button.She found some sources online

about causing elements to shake and another to cause elements to fadeout or decrease in opacity.
https://stackoverflow.com/questions/36962903/javascript-shake-html-element

Kiki
May 22nd - 7:00-8:00

Kiki continued researching on this and finished up the code for her effect.

Ian
May 27th - 11:35-12:15

Ian worked on adding a second page. He had to research how to connect the second page to the home page.

Kiki
May 27th - 11:35-12:15

Kiki changed some of her code so that after the button was clicked, the home page would reappear. It did not give the desired effect because the fadeIn and fadeOut functions she used were not working well. Therefore, she took out the fadeOut and used the fadeIn function in order to rotate the screen but remain at 100% opacity.

Kiki
May 28th - 11:35-12:15

Kiki continued finishing up her code. Some of her code was styled differently from Ian's, so she tried to clean up her code so it would be more similar throughout their code.

RESOURCES USED:

- https://www.w3schools.com/html/default.asp
- https://marketplace.visualstudio.com/items?itemName=MS-vsliveshare.vsliveshare
- https://stackoverflow.com/questions/36962903/javascript-shake-html-element
- https://developer.mozilla.org/en-US/docs/Web/HTML/Reference/Elements/button
- https://www.tutorialspoint.com/html/index.htm

Ian and Kiki mainly used online resources in order to research and learn about the basics of HTML. These sources were used to help them learn more information about broad or specific topics they were interested in. They found that the w3schools resource was the most helpful and they used that tutorial for the majority of their research.