

University of Southern Mississippi

Project Report on PA3

Submitted to

The School of Computing Sciences and Engineering

John Doligale 5th

Reviewed by Professor Li

November 11, 2023

Problem Description

We were to design a personal homepage of ourselves by using only HTML 5.0 and Cascading Style Sheet principles, and JavaScript with the knowledge provided Professor Li. With that, we were to continue working on our personal websites multiple pages of who we are and our interest. Except, for this update, we were to use Javascript to personalize, style, and alter the pages even further with more advanced coding. This was done with paragraphs of edited text, formatted images, and external Javascript files.

Website Design

My webpage begins with an intro of my name that follows the page as you scroll, an image of myself and the university, and an overview of some information on my educational

career throughout my time here at USM. For PA2 I have added borders for a more defined look and have used various text/image coloring techniques to make it not look as bland. And with this update I have added a simple dark mode feature that inverts the background to black and the text to white for a different visibility option. Then there is a brief table of the courses I have completed that are highlighted with a different color when the user's mouse is hovering over, followed by a small section of my favorite projects I've worked on so far. Which also links to my GitHub profile with all of my repositories. To follow that up, there is a section that possesses a few links. One that will take the users to another page that gets more personal to my personality. The "Interest" page. There you will find a video of me talking about my hobbies and such. A list that represents my favorite video games, and some random bonus features that I coded with JavaScript that show off my recently learned knowledge. The main page also shows the Google Map of the university, and another that opens another tab to my LinkedIn profile. All of which now change to a different color when the user has visited one of the links. Beneath those links there is an optional review section that the user can leave comments on the webpage by using textboxes. And the submit places the user's info, if added, and displays the review on screen. The final part of the main page are the links to my emails that the user will be able to use if they have any other inquiries.

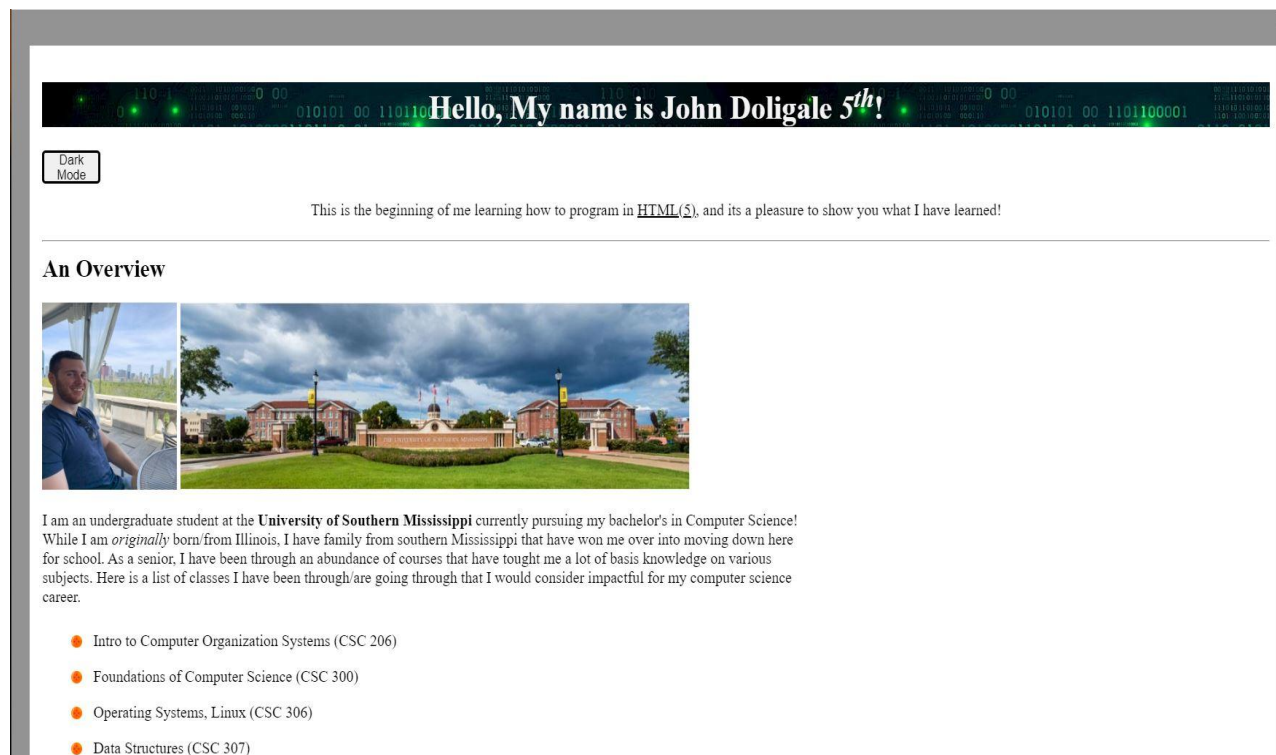
Implementation

At the moment, with the knowledge I have, I am currently coding the webpage through Visual Studio Code and testing it within my default Chrome browser within my computer's files. I have created separate folders for images, videos, and downloaded text so that they are organized and easy to use in the code. So far it is very smooth, but as I add more videos to the page, the download times for the zip files take much longer to download. When I began using JavaScript I found that it did not lengthen load times hardly at all, which disproved my hypothesis in the last update. Therefore, I added as much functionality and features as I could think of (that

had purpose). Which is why I added detailed comments for easy readability and searchability.

Sample Pages

No matter the order I run the pages, both of them function properly and can move to either one by the links I have included. I currently only have two pages. The code itself has plenty of comments to describe which features and attributes I am using to cover the requirements for the project. And the results of that code is as follows:



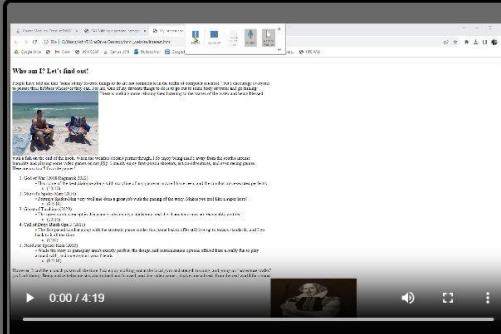
Who Am I? Let's Find Out!

By John Doligale 5th

Dark
Mode

Dark Mode Enabled

People have told me that "some of my favorite things to do are not common in the realm of computer scientist," but I encourage everyone to pursue their hobbies whenever favorite things to do is to go out to some body of water and go fishing! There is nothing more relaxing then listening to the waves of the water and being blessed with a fish on the weather doesn't permit though, I do enjoy being inside away from the south's intense humidity and playing some video games on my PS5. I mainly enjoy first-person shooters, and racing games.



Here are my top 5 favorite games!

I. God of War (2018/Ragnarok 2022)

- Has some of the best dialogue along with storyline of any game or movie I have seen, and the combat was executed perfectly

o (10/10)

II. Marvel's Spider-Man (2018)

- Portrays Spider-Man very well and does a great job with the pacing of the story. Makes you feel like a super hero!

However, I can't be a couch potato all the time. I do enjoy working out at the local gym and strength training, and going on "adventure-walks" (as I call them). Being active helps me stay disciplined and focused, and like video games, it gives me a break from the real world for a short period of time. And of course I do enjoy working on programming projects here and there when an idea comes to mind. Programming really challenges my brain to think creatively and concentrate on a goal. Which is the main reason I chose this major! Some other basic things about me is that I really enjoy super hero movies like Marvel, DC, etc. However, my favorite movie of all time is actually Happy Gilmore! It was one of the first movies I watched growing up, and I just think it never loses its touch of humor. If you've never heard of it or seen it the link will be down below to check it out and I highly recommend it for a good laugh. Something else that I have been watching ever since I was a kid, anime! Waking up early in the morning before I got on the weary school bus, I would put on cartoon network (way too loud) and watch Dragon Ball Z at 6:30am while eating my bowl of Raisin Bran. I would sing along to the awesome intro, and be totally distracted. Sometimes so badly that I missed the bus over it! From there, I started watching other popular anime like: Death Note, Fairy Tail, Hunter x Hunter, Bleach, Attack on Titan, and so many more. Dragon Ball Z is still my favorite series though.



More Fun Facts About Me

- 1) I can play Guitar Hero on expert!
- 2) I have 5 screws in my left knee!
- 3) I think board games are overrated, sorry!
- 4) I wanted to do marine biology before I found computer science!

Did your workplace scam you? Calculate your hours here!

Hours This Week:

Hourly Wage:

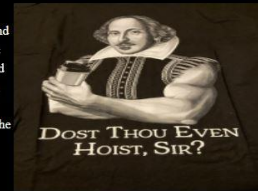
Earnings before taxes were taken out:

Earnings after MS taxes were taken out:

other links

- [an overview](#)
- [linkedin profile](#)
- [happy gilmore - imdb](#)

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Hours This Week:

Hourly Wage:

Earnings before taxes were taken out: \$800.00

Earnings after MS taxes were taken out: \$712.00

[an overview](#)
[linkedin profile](#)
[flickr photo - uncle](#)

Conclusion

Since beginning this class I have learned a plethora of information about front end development in HTML because I have had no prior experience with it. I have learned about the various attributes and tags that can be used to design pages in simple or complex ways. To add, I have learned of Cascading Style Sheets and included them on both pages to the website and furthered my knowledge of front end development. Since the last update I have learned how to improve upon the functionality of text, images, links, events, and more by using JavaScript. By learning the building blocks to HTML, CSS principles, and JavaScript back-end development, I have discovered a new path of programming that gives me plenty of ideas and opportunities that will allow me to be creative and expand my knowledge further.