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I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded.

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Introduction

A website is a collection of webpages that are linked to a main page known as the home page. If a company or Individual has a website, the address that the person or company gives out is the address of the home page. In this coursework I have created six different webpages. The first page, just like others, is the home page. It contains the links to other pages. The second page is the contact page, where there is a form for the user to input his information. It also has a division to allow the user to view the developer's information. The third page is the blog. The blog is written in the topic "Impact of Technology on an Individual". The fourth page is the CV. It only has a simple CV showing only the basic level of information. After that comes the portfolio. The portfolio has the carousel showing the different projects that I have completed until today. It uses JavaScript to change the images and text displayed. Finally there is the research page where all of the books and websites referenced are mentioned.

Discussion and Analysis

Various tools were used while creating this website. First of all, we used, the main three web technologies for the webpage. The web technologies used were HTML5 (Hyper Text Markup Language), CSS3 (Cascading Style Sheet), and JS (JavaScript). Modern webpages use other tools as well but since the coursework only encouraged the use of these technologies, we could only use these three.

HTML (Hyper Text Markup Language) is the standard language that is used to create webpages. HTML gives the content of the webpage. For example, if we have to write a piece of text in our webpage, it is written in HTML and later styled using CSS. (W3Schools, 2019)

CSS refers to Cascading Style Sheets. The name Cascading Style Sheets comes from its nature of cascading styles to style a webpage. There are three forms of CSS; inline CSS, internal CSS, and external CSS. The inline CSS has the highest priority followed by internal CSS and the external style sheet has the last priority. Since 1997 the use of CSS is preferred to style webpages. (w3.org, 1997)

JS, an abbreviation of JavaScript, is a high level, interpreted language that is used specially by webpages to obtain dynamic layout. JavaScript also supports object-oriented language.

Even though Java and JavaScript may sound the same, they are in fact two different programming languages. (Mozilla, 2019)

The wireframes that have been shown below were made at balsamiq.com. This website can be used to create a wireframe for any webpage. A wireframe is a very important part of the production in a multi team project so that the developers know what the final result of their coding will be.

Wire Frames:

❖ Home:

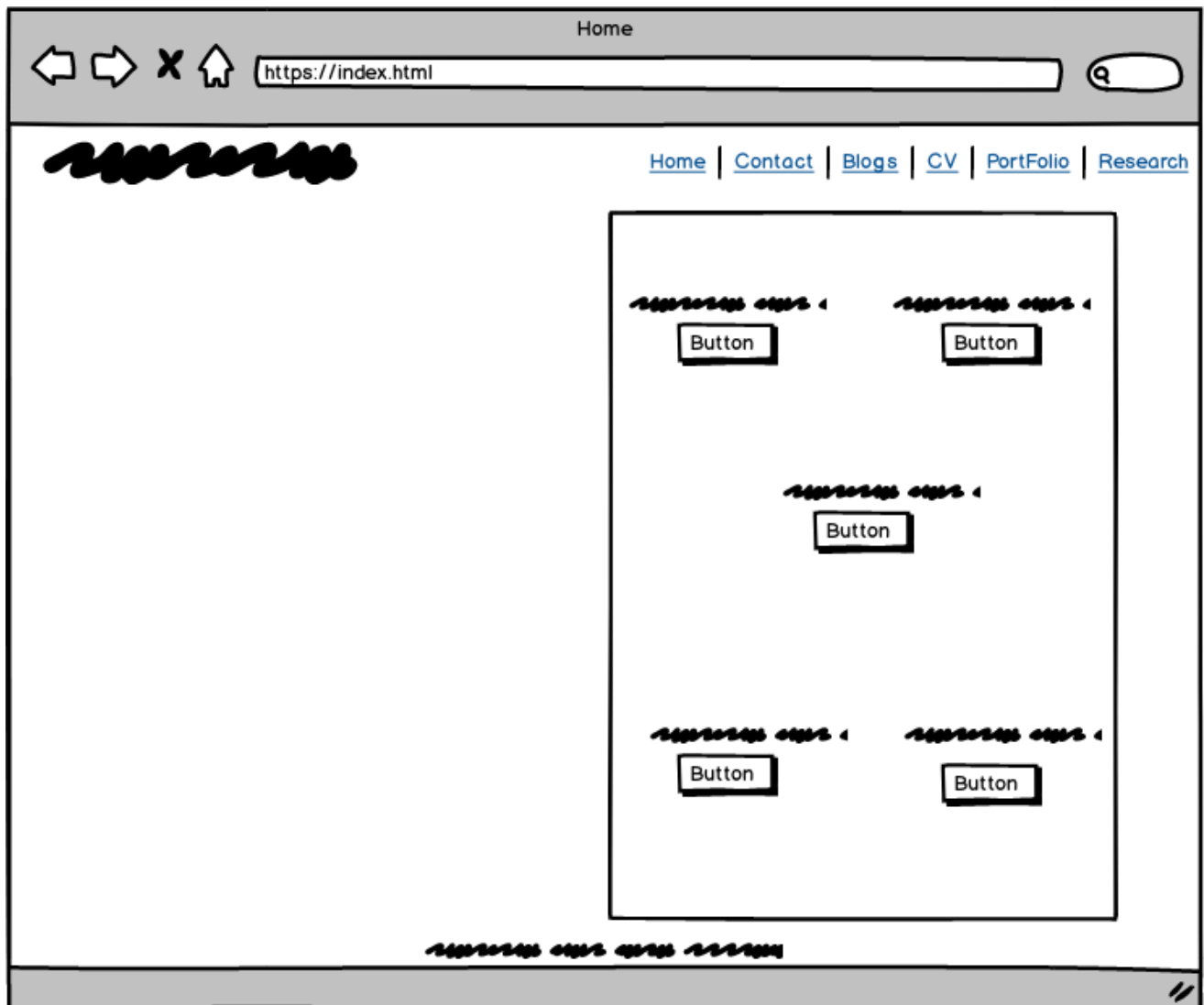


Figure 1 WireFrame Home

❖ Contact:

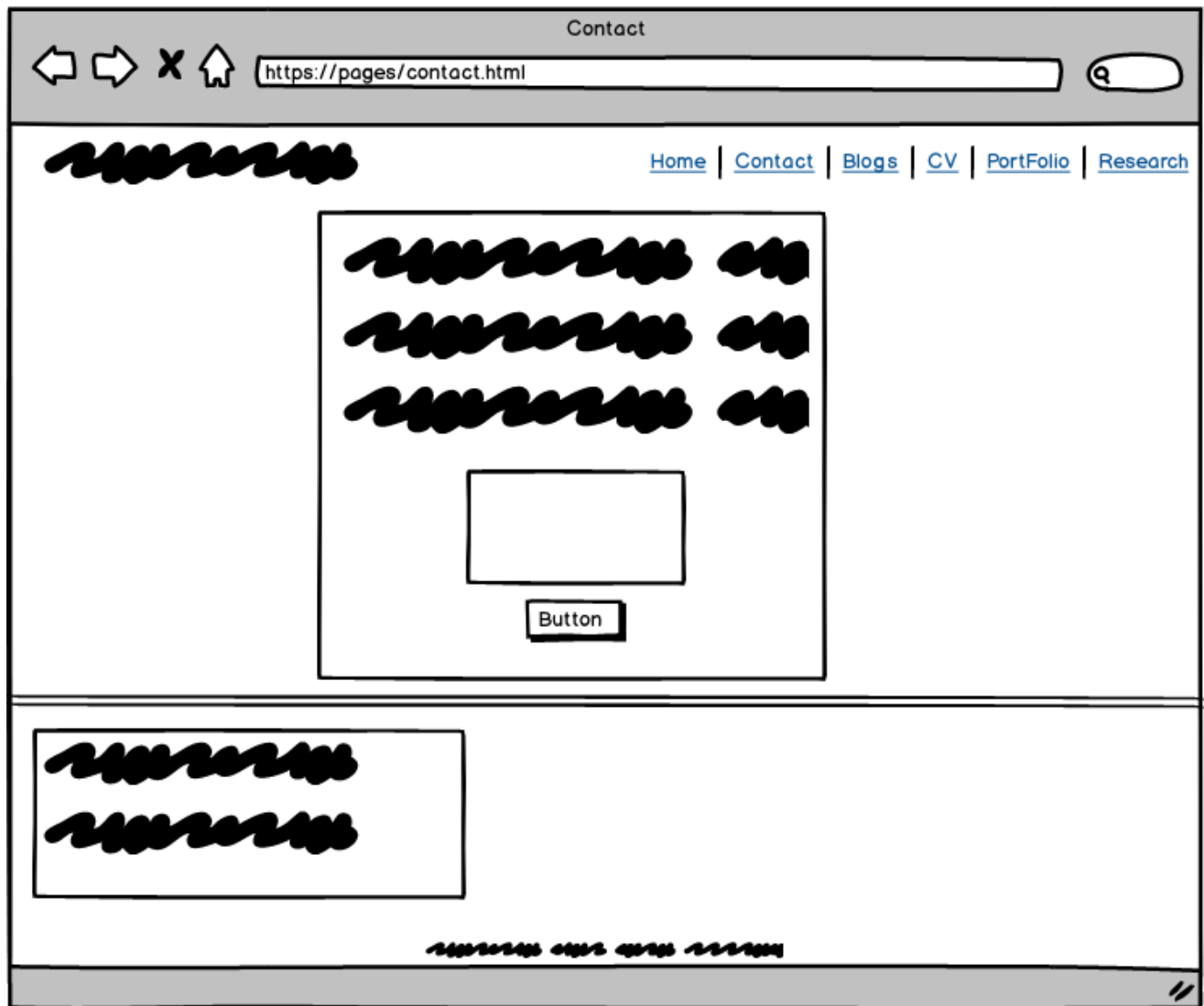


Figure 2 WireFrame Contact

❖ Blogs:

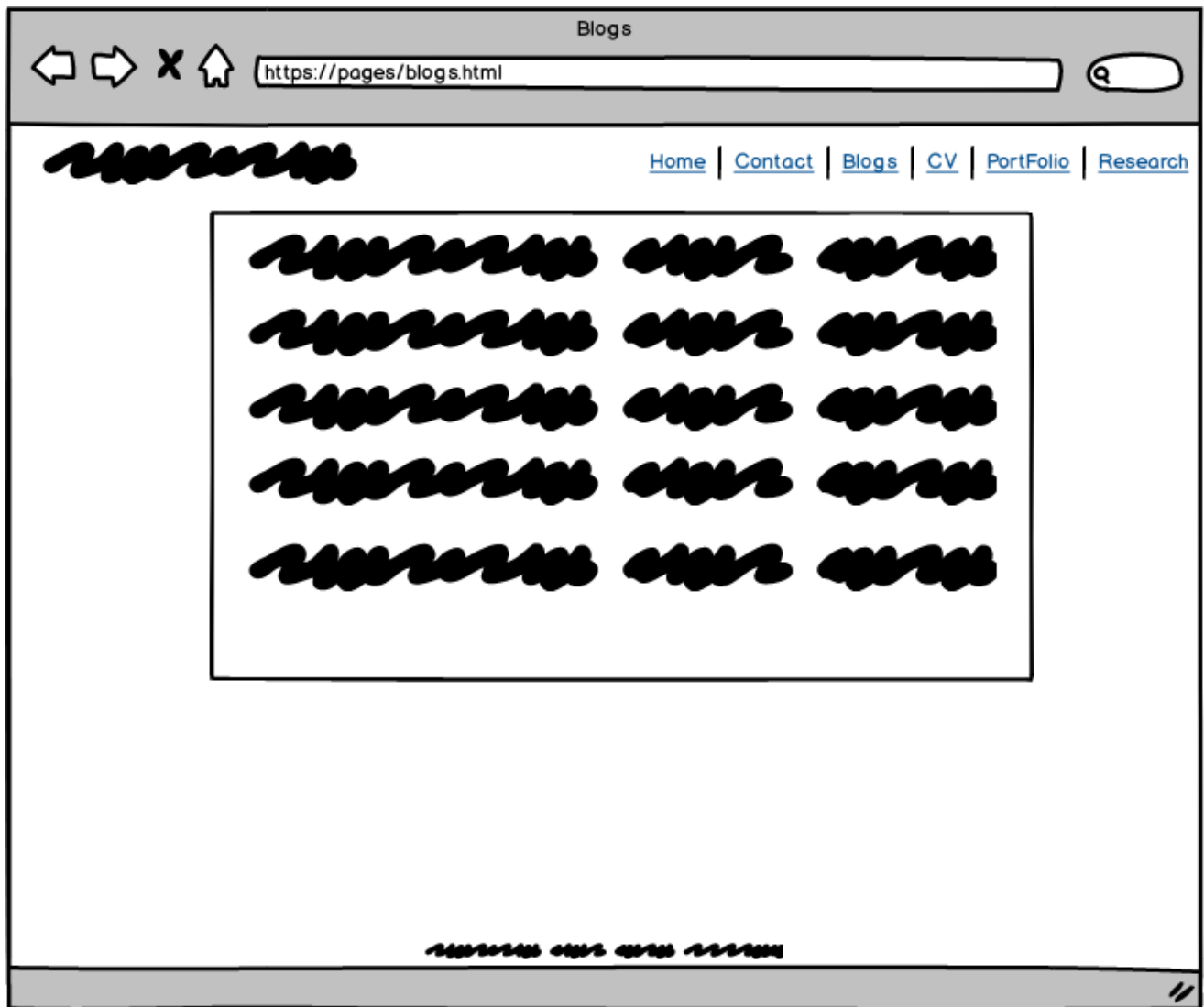
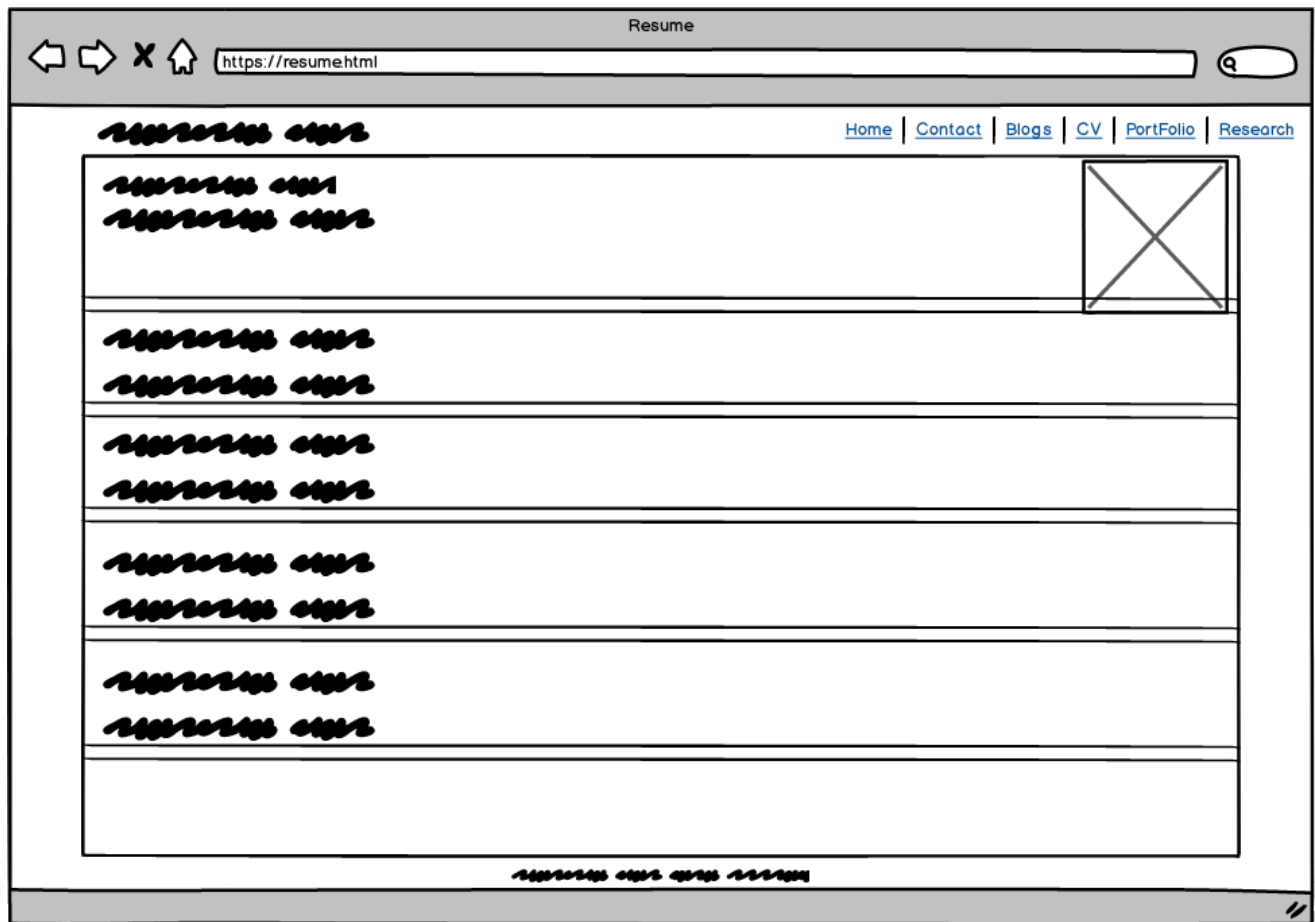
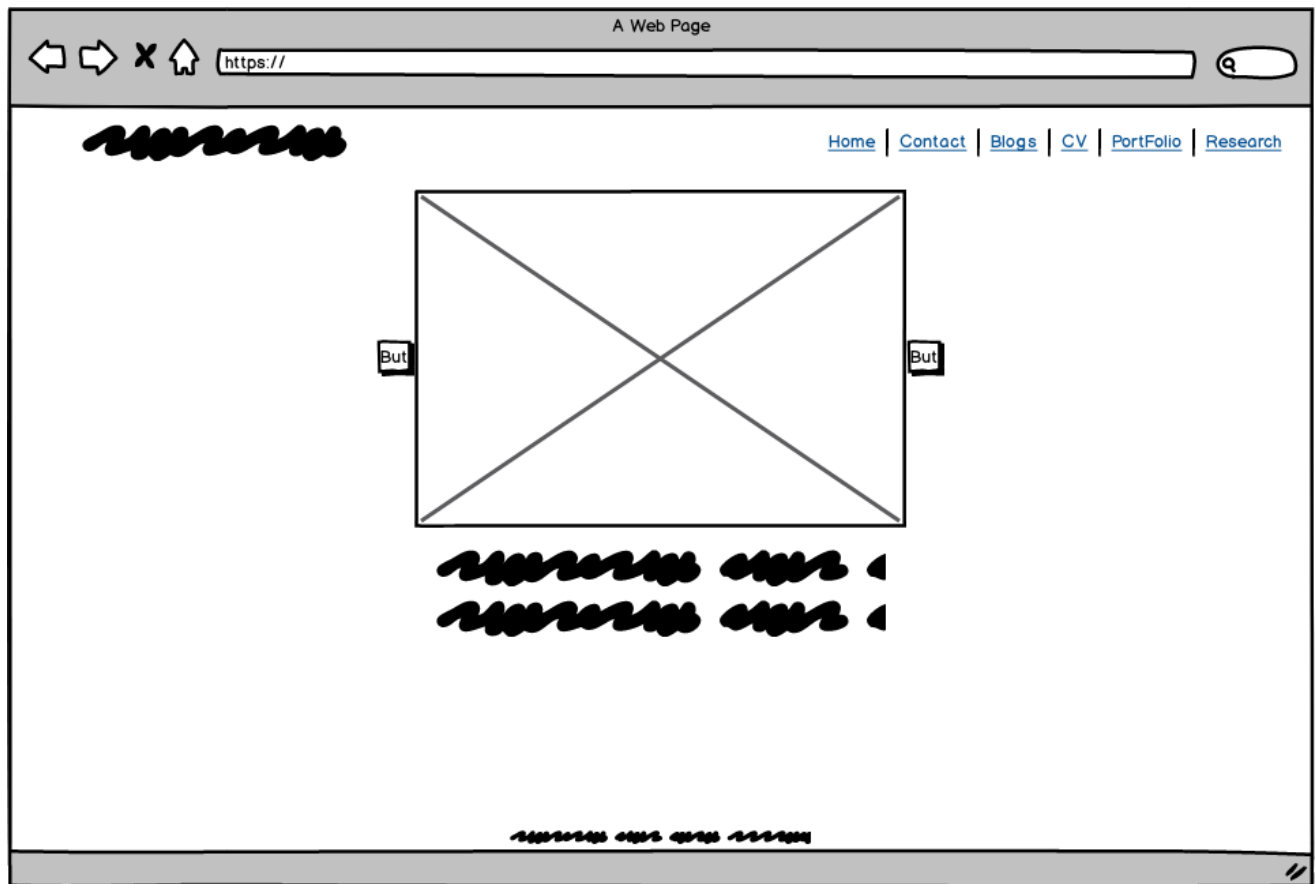


Figure 3 Wireframe Blogs

❖ CV:

*Figure 4 Wireframe Resume*

❖ Portfolio:

*Figure 5 Wireframe Portfolio*

Research:

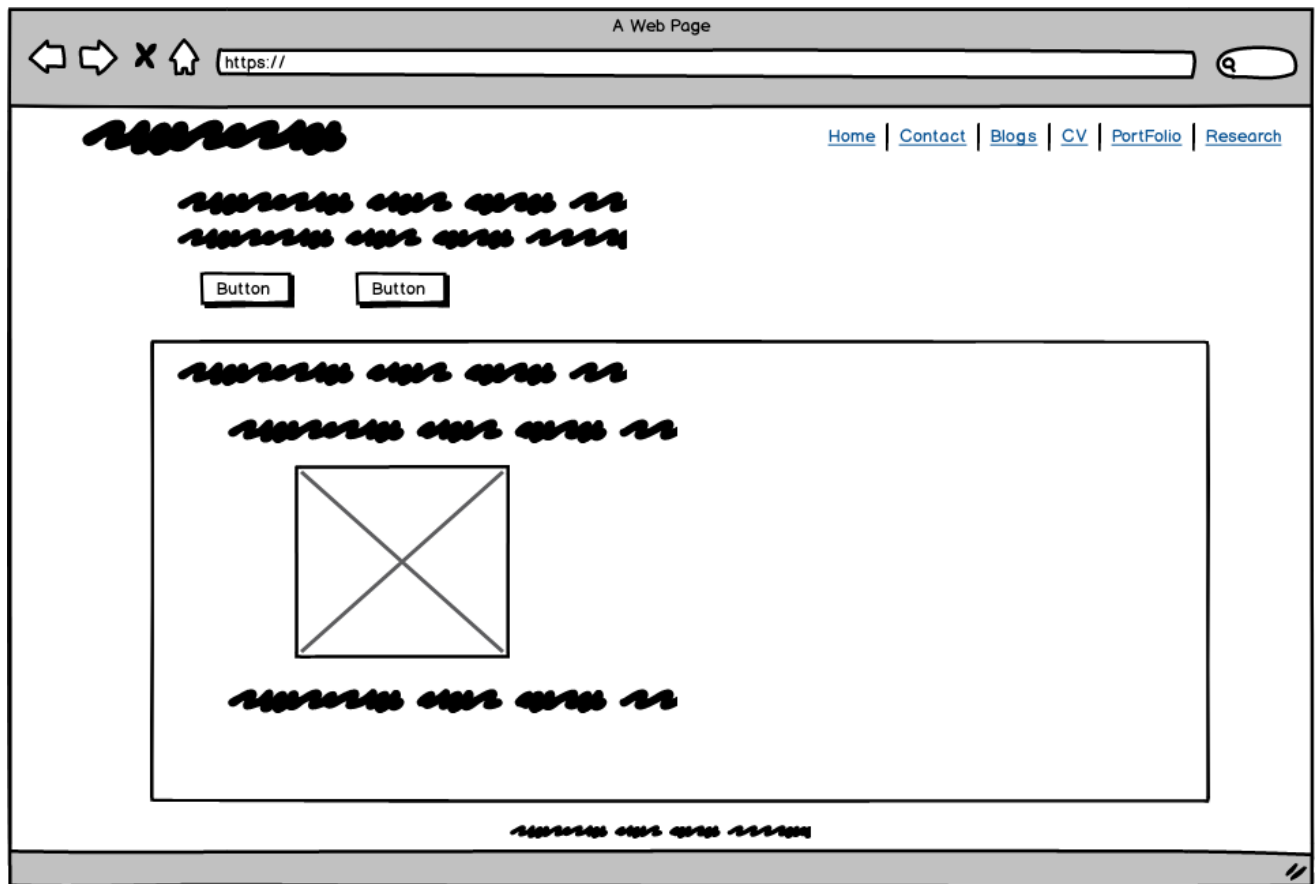


Figure 6 WireFrame Research

Research

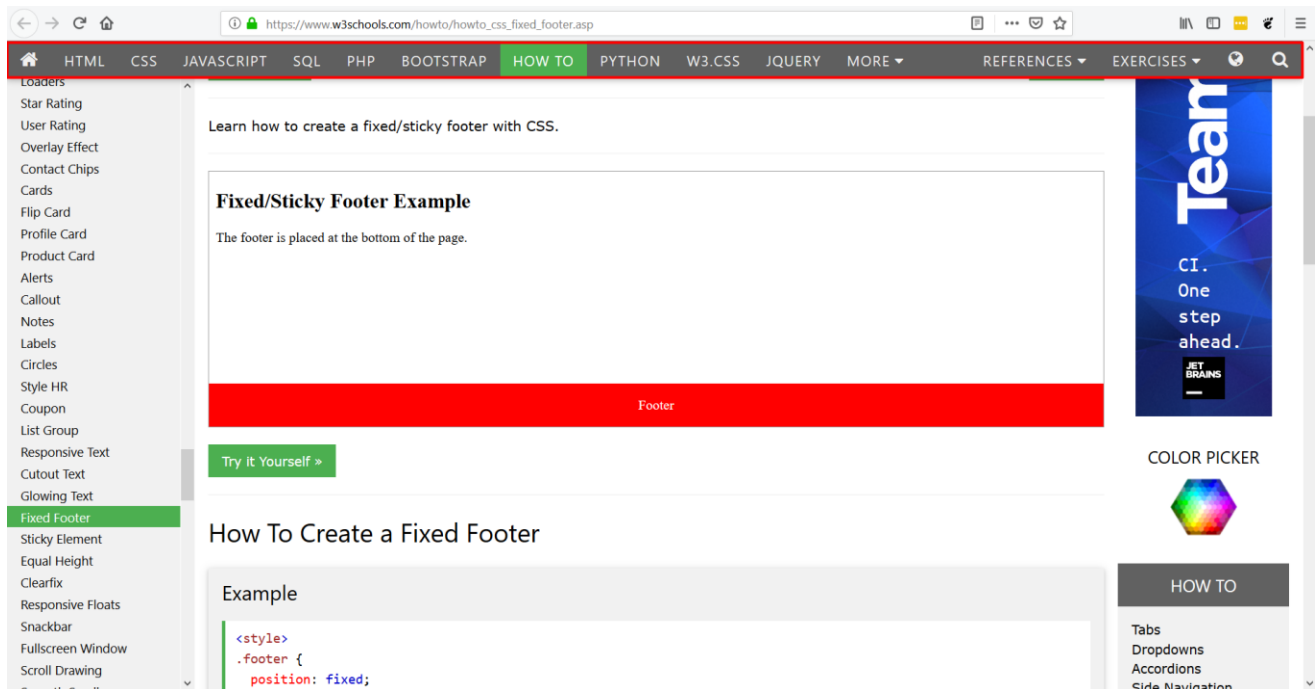
With rigorous efforts and continuous researches, the project was completed in the required window of time. The following are the journals, books and websites that were referenced for the completion of this project.

Websites:

❖ W3Schools:

This is a website for learning virtually any language that computers can understand. New web developers can learn various concepts from this website.

The fixed Title Bar that occurs in this website has been taken from this webpage.



(W3Schools, 2019)

Figure 7 W3Schools

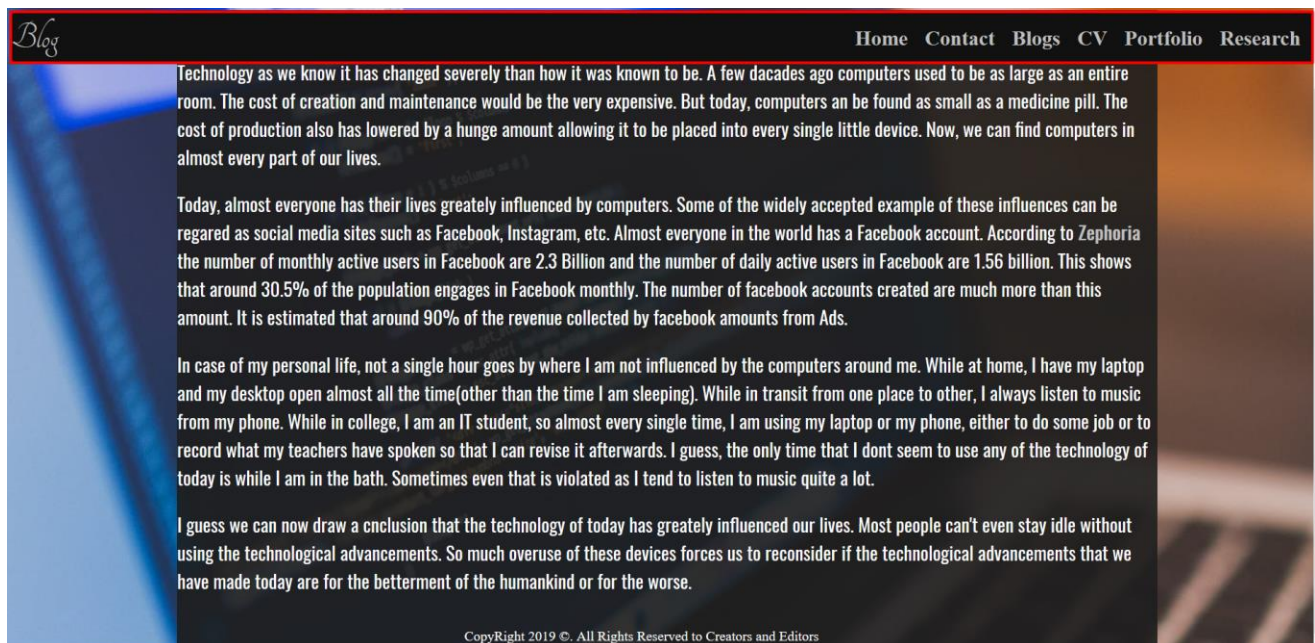
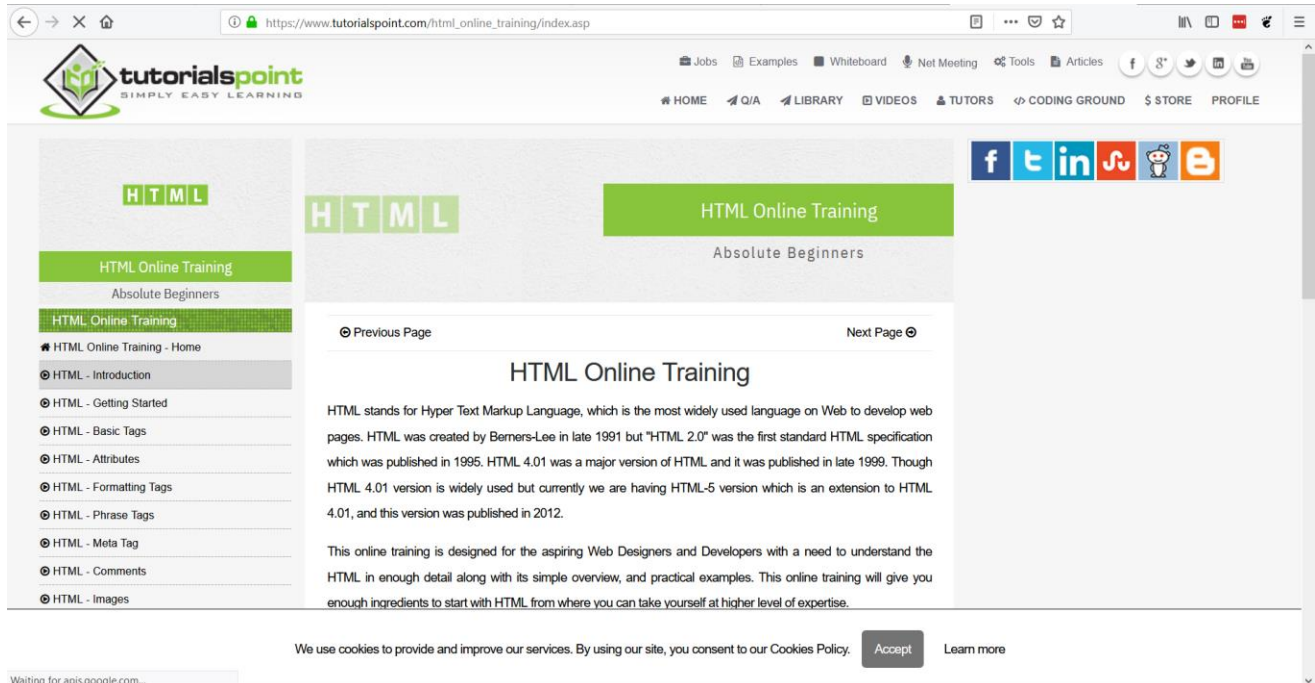


Figure 8 Comparison with W3Schools

❖ Tutorials Point:

This is also a website for learning programming and web design. New web developers can use this website as a reference and for various other purposes.



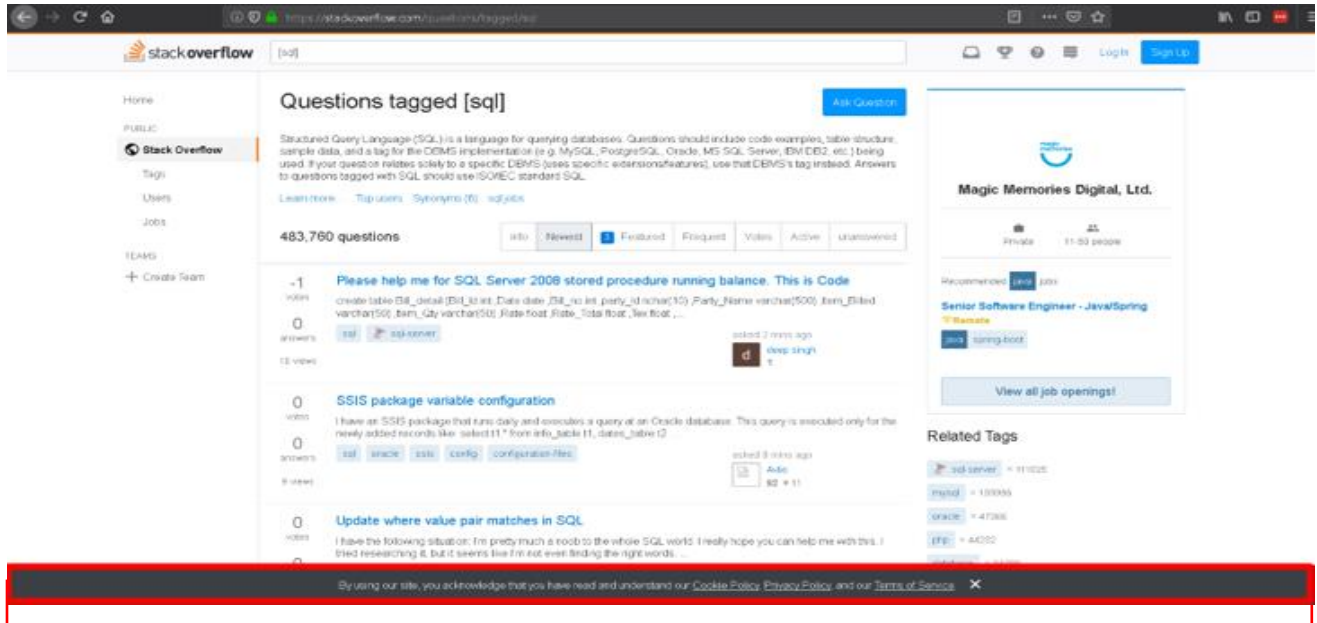
(Tutorials Point, 2019)

Figure 9 Tutorials Point

❖ Stack Overflow:

This website can be used as a reference point during various points. Almost every problem that has ever been encountered has a solution within this website.

The fixed footer in my webpage has been taken from this website.



(Stack Overflow, 2019)

Figure 10 Stack Overflow

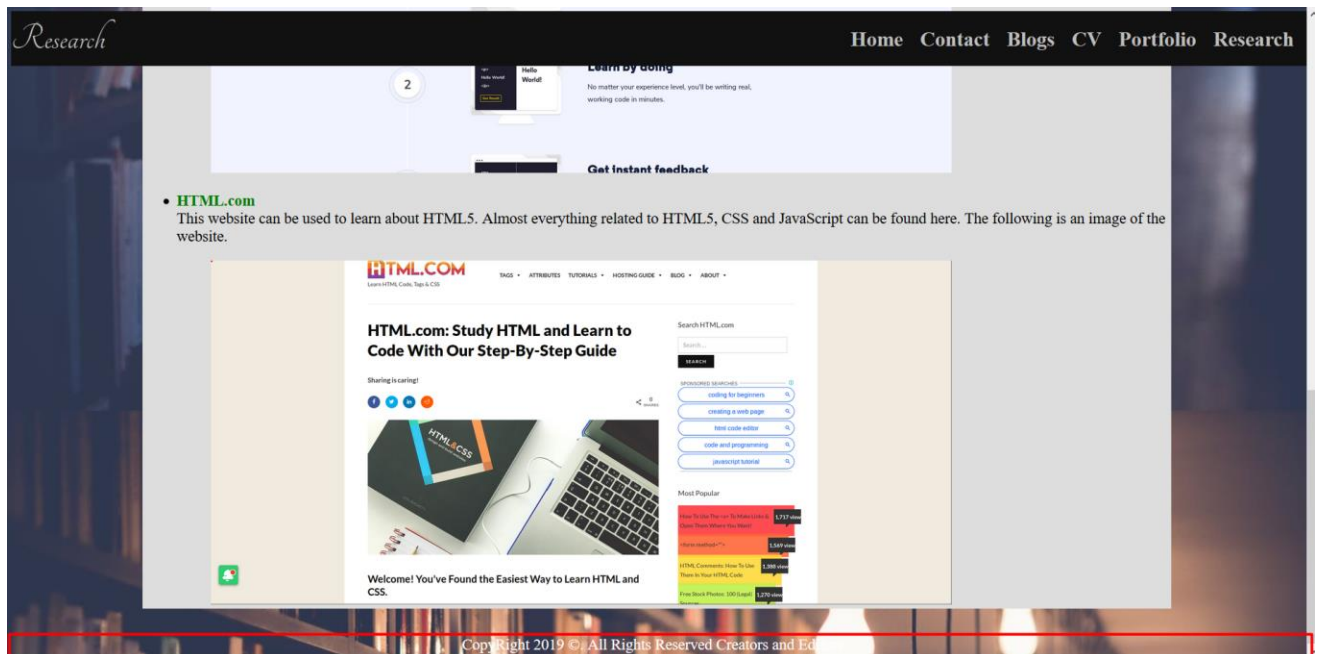


Figure 11 Comparison with StackOverflow

❖ Desiree Adaway

This is a website that I had browsed while searching for examples of portfolio websites. The concept of image on one side and the text on the other side was taken from this website.

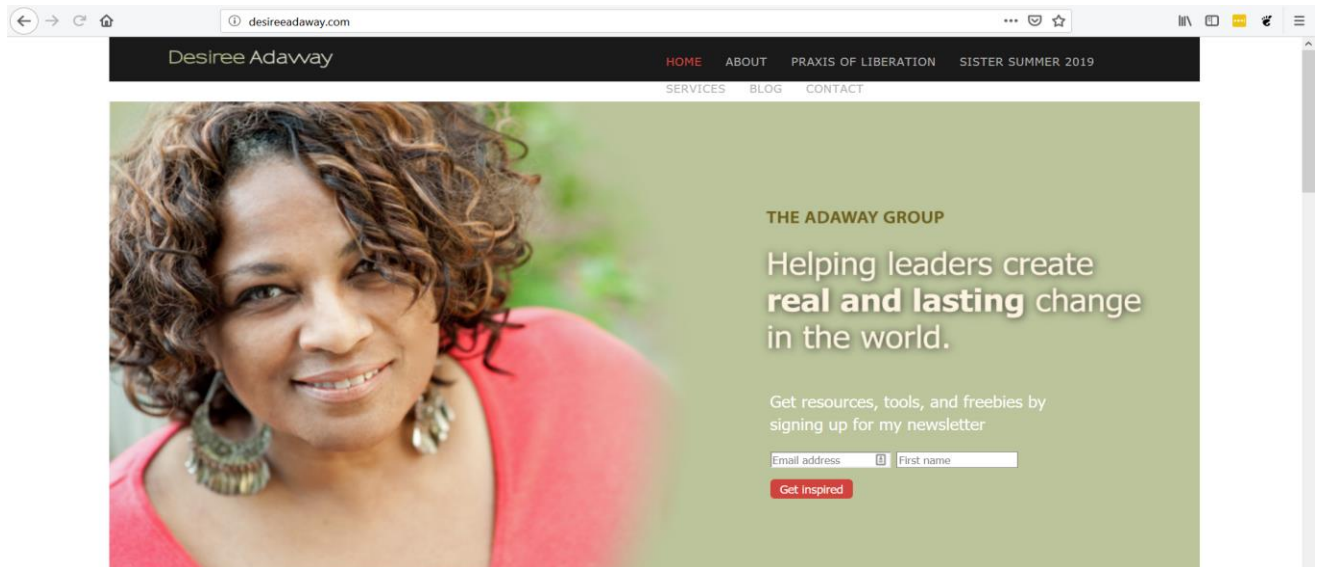


Figure 12 Desiree Adaway

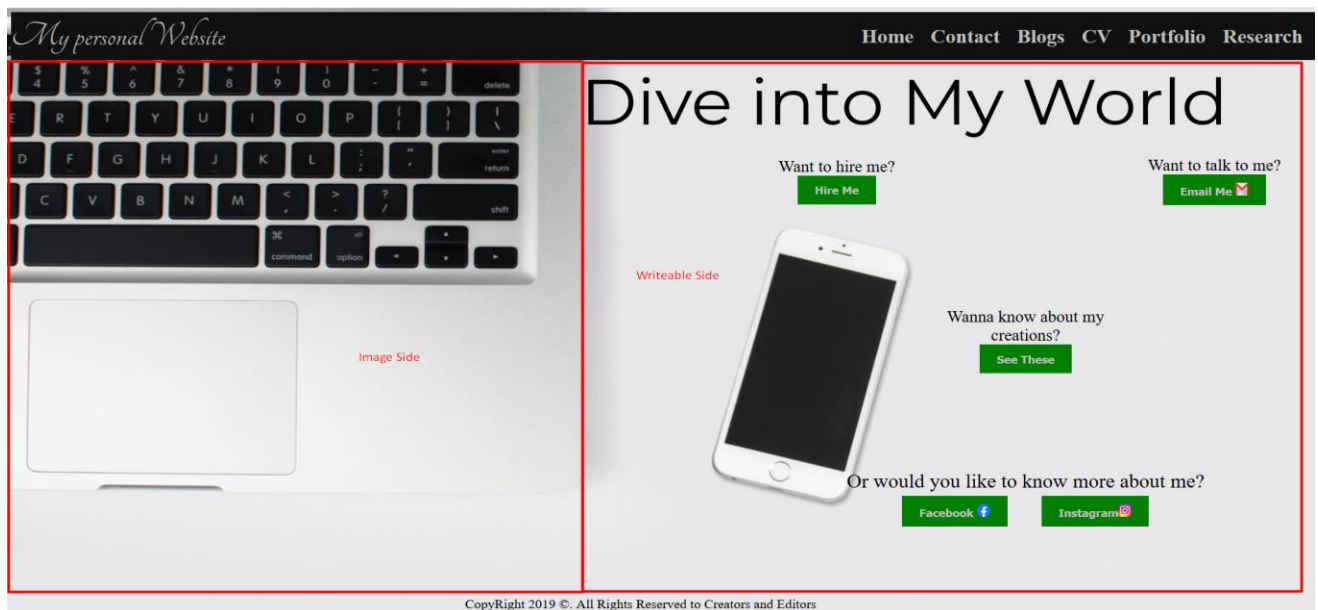


Figure 13 Comparison With Desiree

Books:

❖ HTML and CSS:

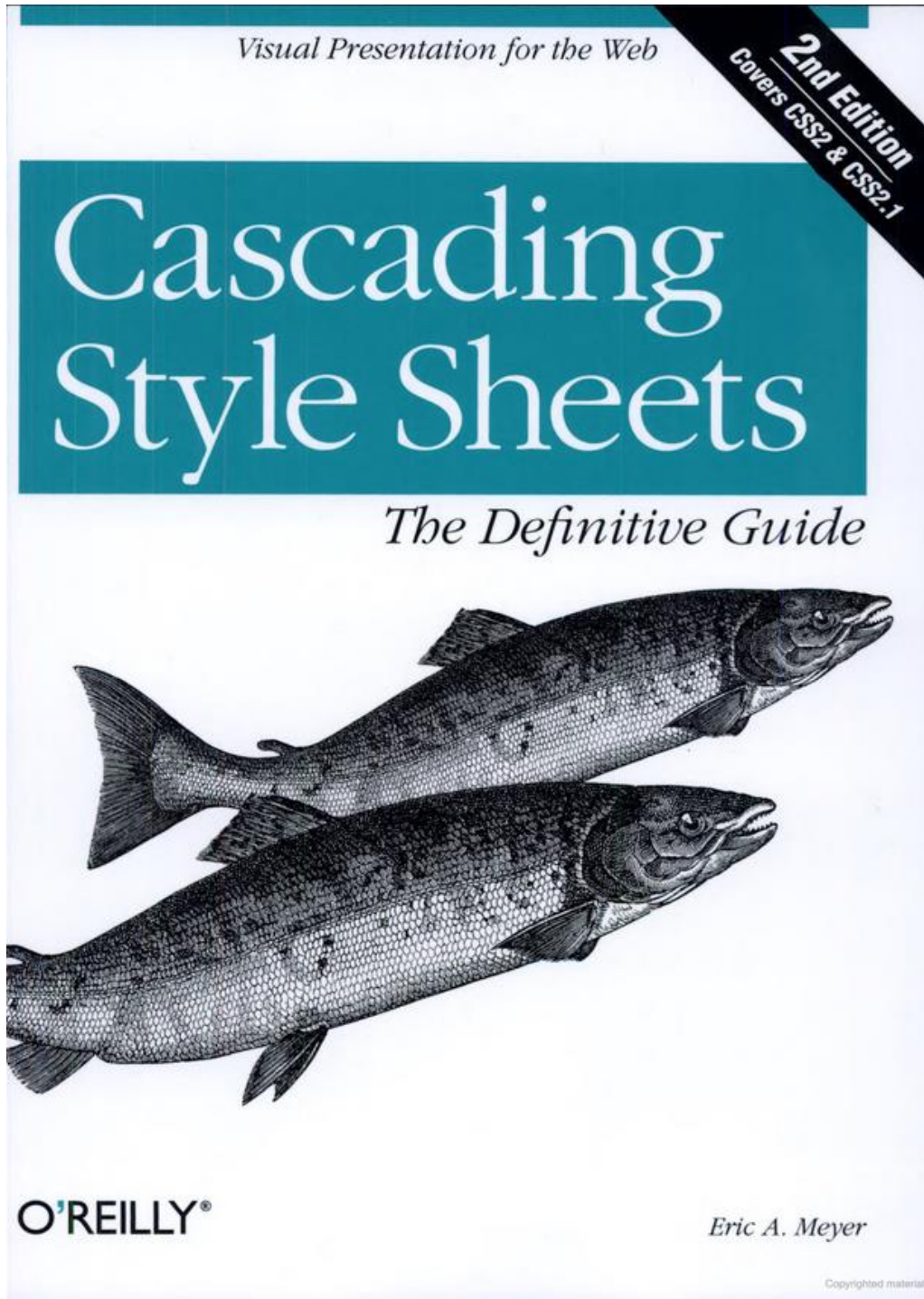
This book gives introduction to HTML and also teaches how to implement CSS on webpages. Unfortunately, the book doesn't discuss about JS in web development.



(Duckett, 2011)

❖ Cascading Style Sheets

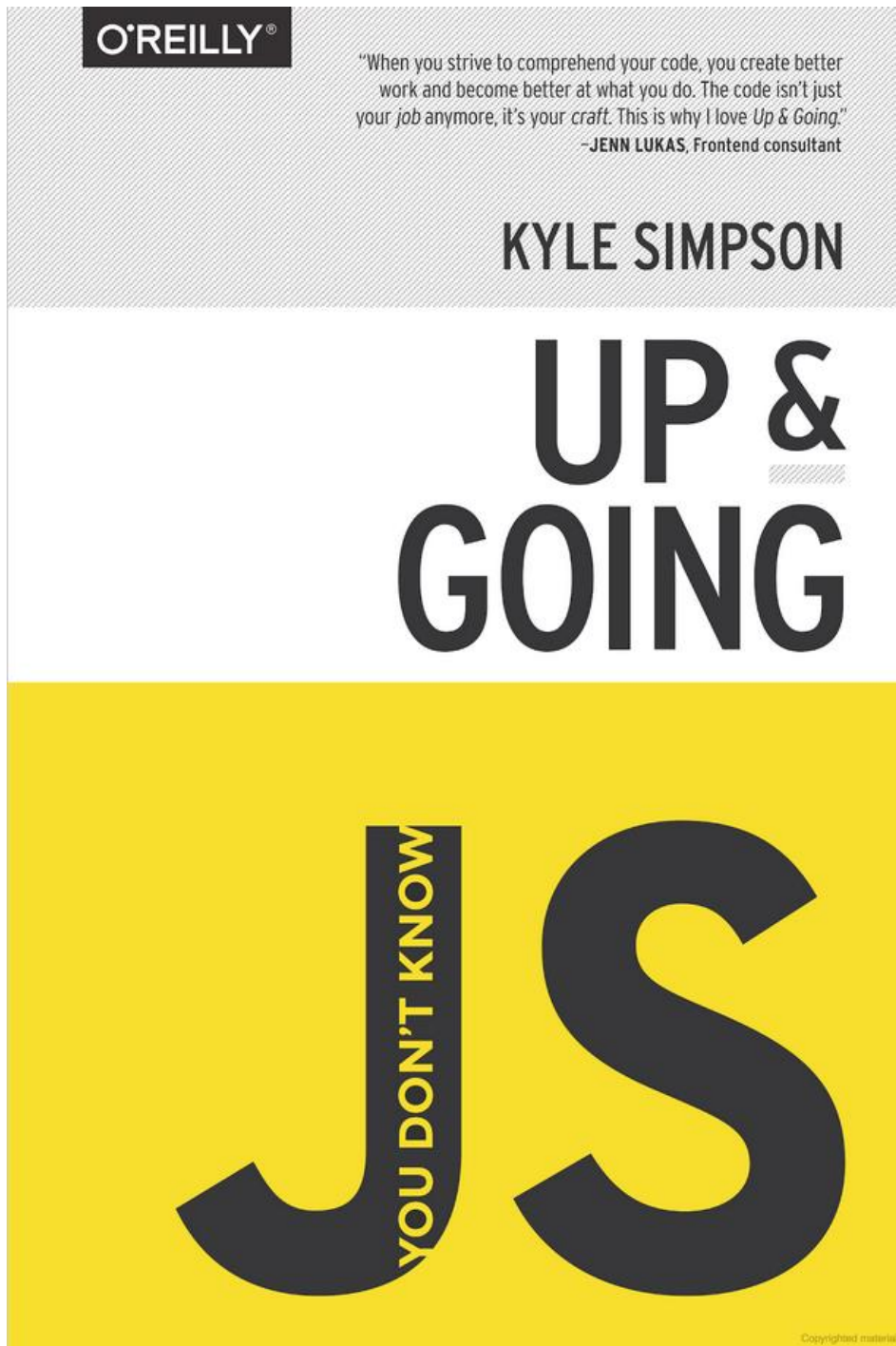
Cascading Style Sheets, written by Eric A. Meyer, is a book that can be referenced to apply proper styles in a webpage.



(Meyer, 2004)

❖ UP & GOING

This book is all about JavaScript. It is a good book for beginners learning JavaScript



(Simpson, 2015)

Testing:

Test 1

Table 1 Test1

Test No	1
Test Description	To check the Functionality of linked buttons on the home page
Expected Result	On clicking the button, we would be redirected to the CV page of the website
Obtained Result	On clicking the button, the CV page of the website was shown.
Test Result	Passed

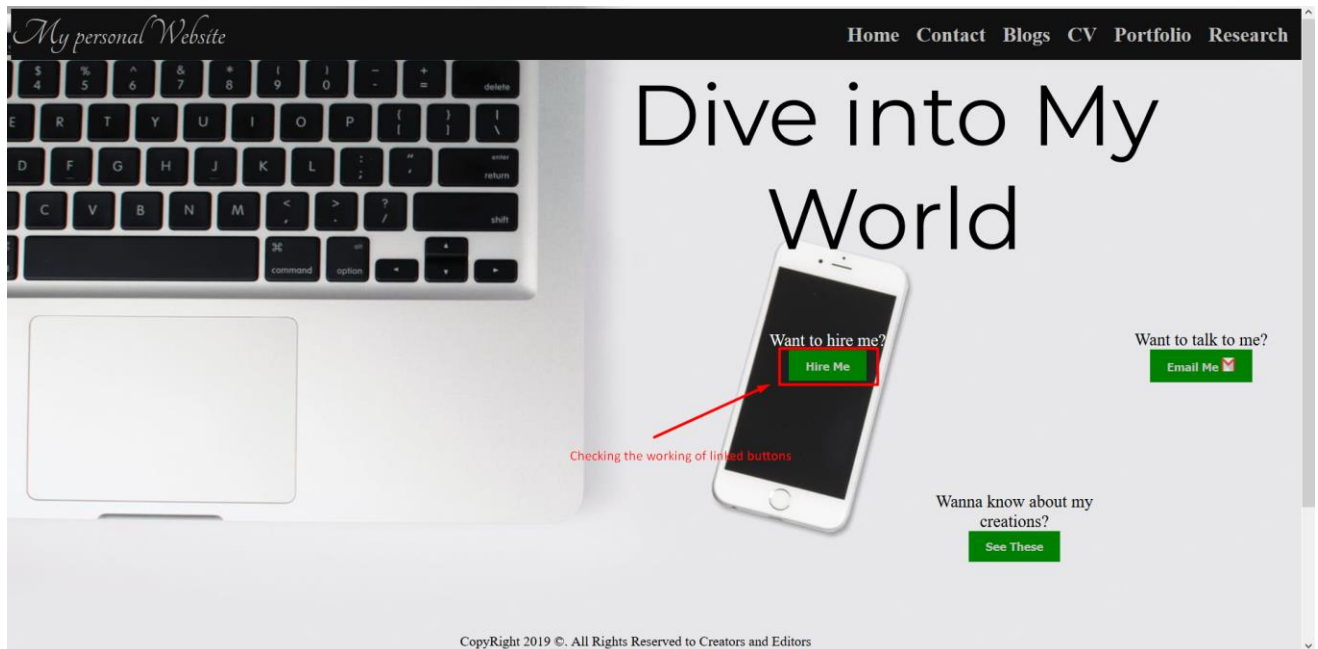


Figure 14 Test 1.1

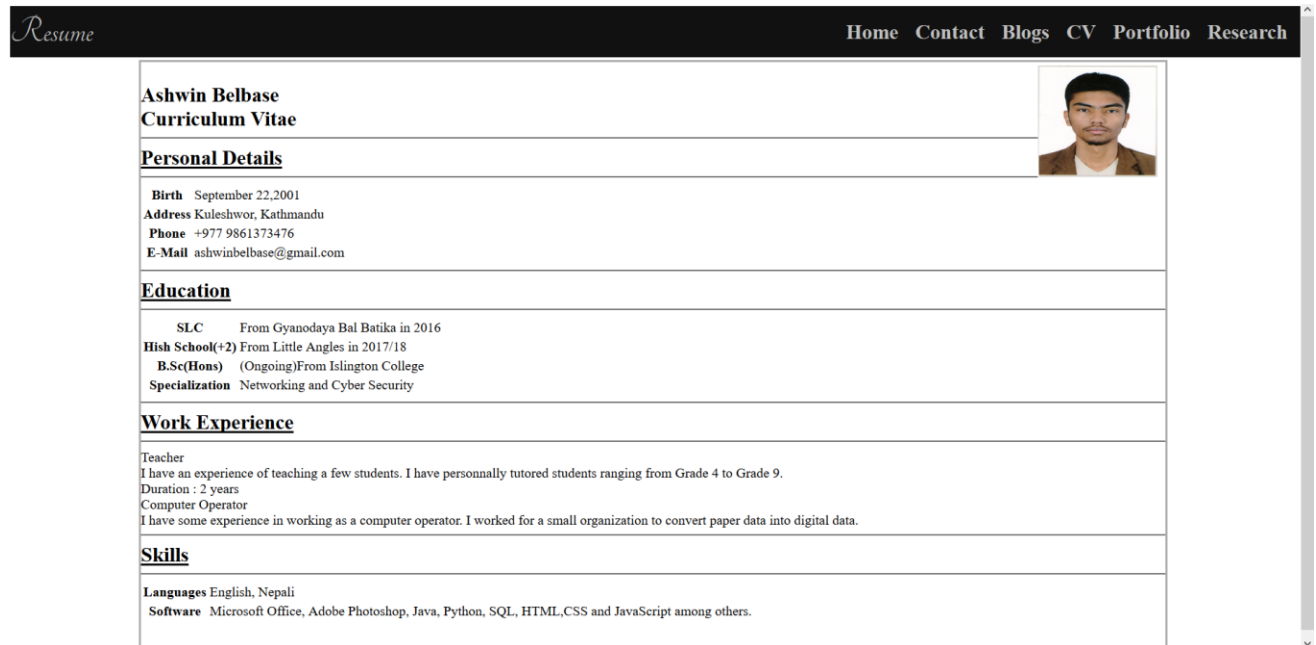


Figure 15 Test 1.2

Test 2

Table 2 Test 2

Test No	2
Test Description	To check the form validation when no data is given in the input boxes
Expected Result	An alert showing "Empty Fields" should be shown
Obtained Result	An alert showing "Empty Fields" was displayed.
Test Result	Passed

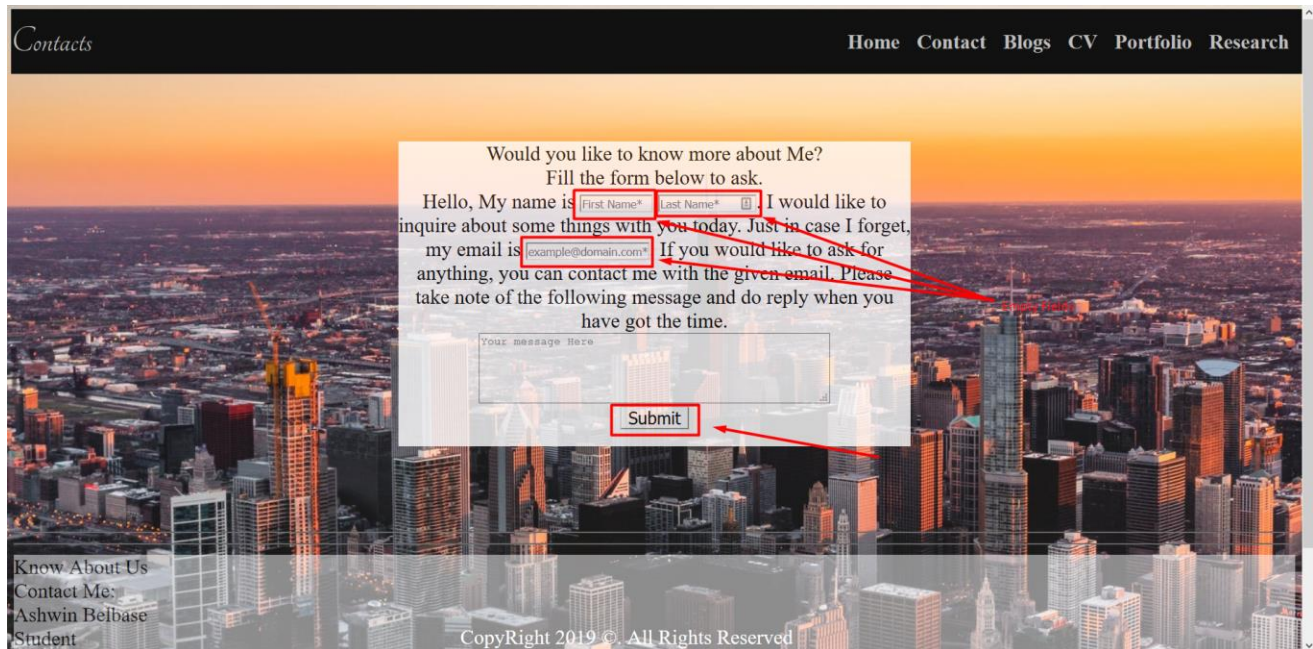


Figure 16 Test 2.1

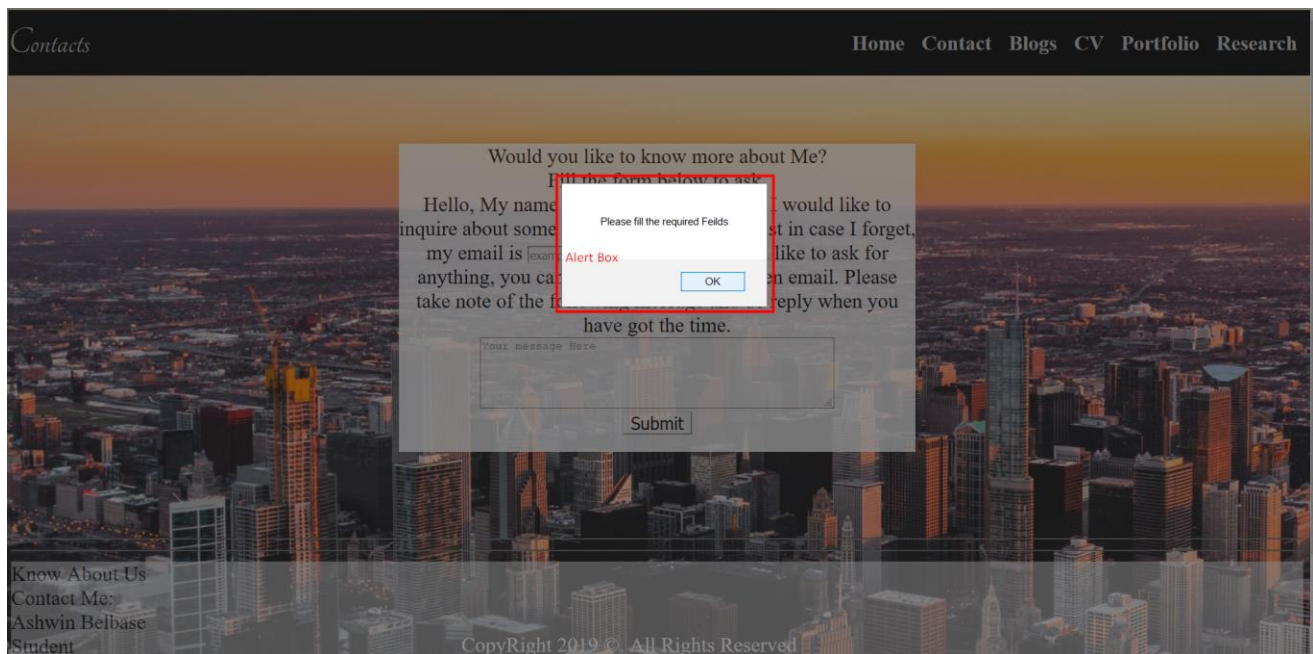


Figure 17 Test 2.2

Test 3

Table 3 Test 3

Test No	3
Test Description	To check the form validation when complete data is given in the input boxes
Expected Result	An alert showing "Success" should be shown
Obtained Result	An alert showing "Success" was displayed.
Test Result	Passed

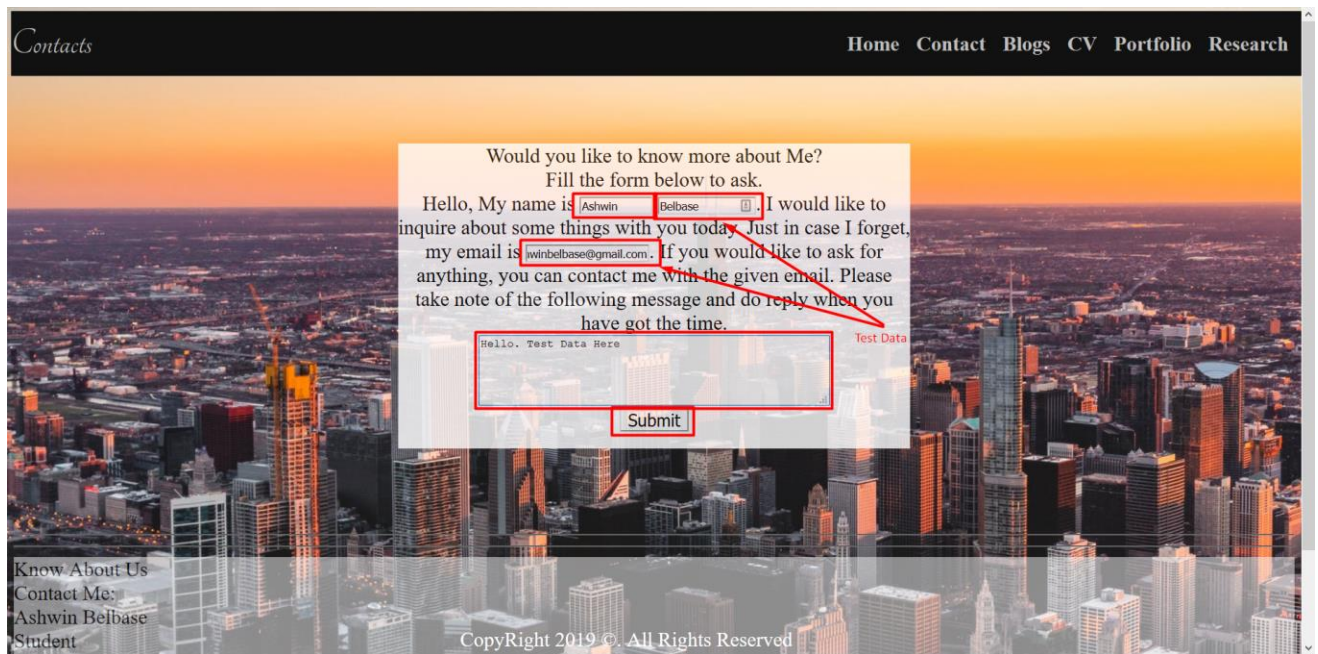


Figure 18 Test 3.1

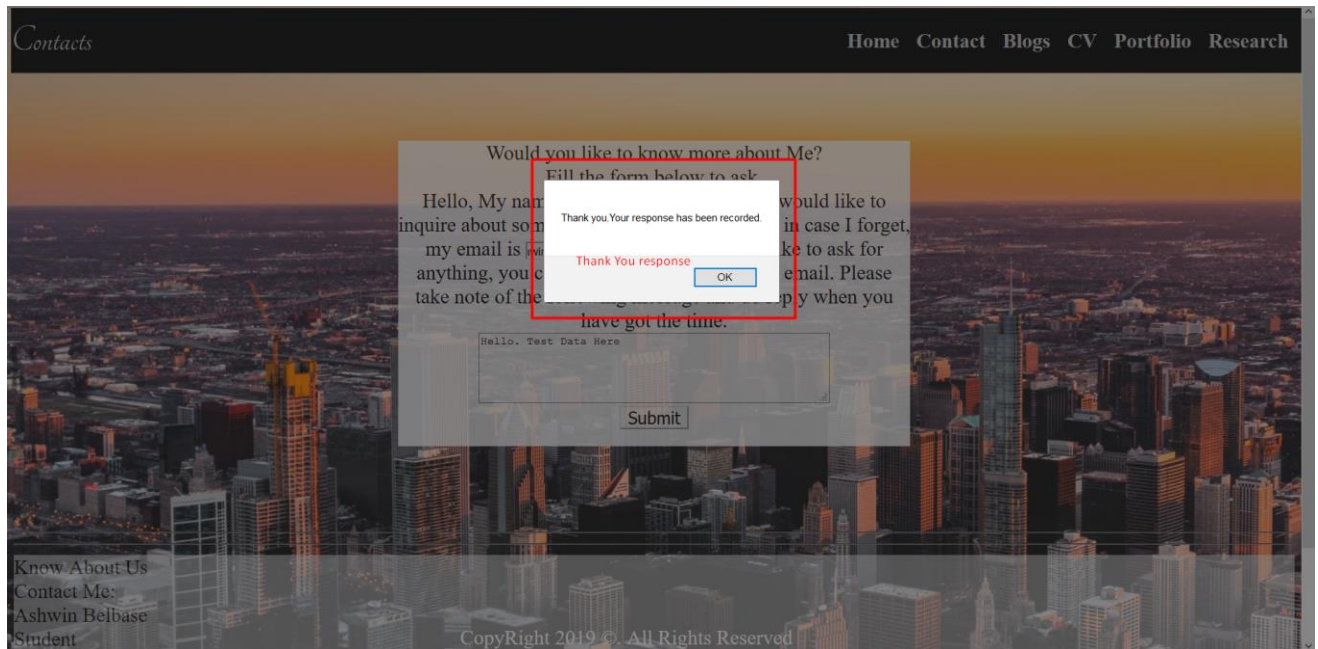


Figure 19 Test 3.2

Test 4

Table 4 Test 4

Test No	4
Test Description	To checking the function of the "Next" button in the carousel.
Expected Result	The image changes from image index 0 to image index 1
Obtained Result	The image changes from image index 0 to image index 1
Test Result	Passed

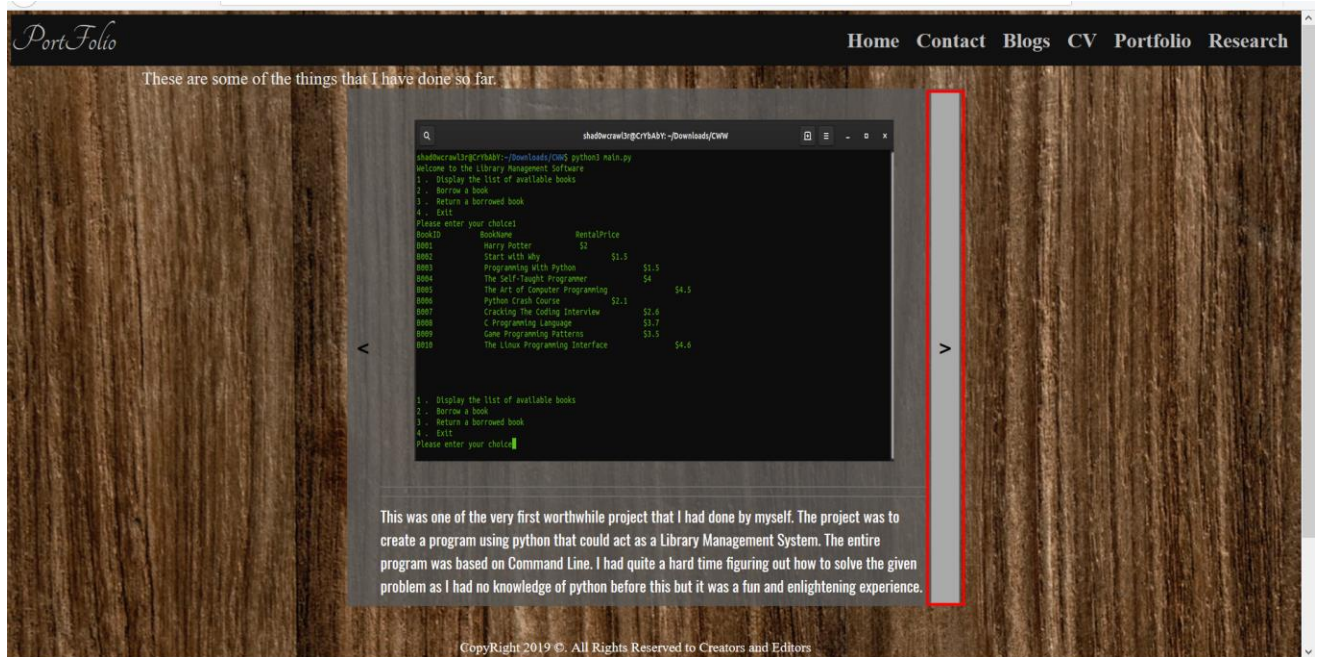


Figure 20 4.1

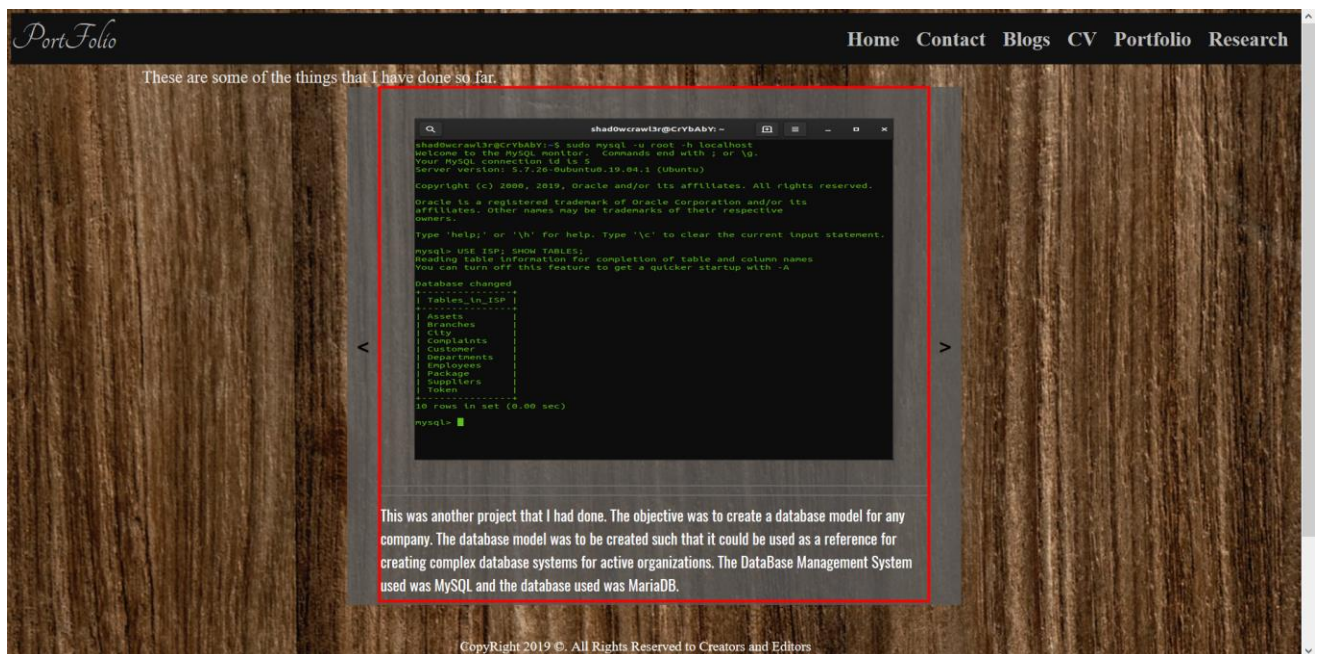


Figure 21 Test 4.2

Test 5

Table 5 Test 5

Test No	5
Test Description	To checking the function of the “Previous” button in the carousel.
Expected Result	The image changes from image index 2 to image index 1
Obtained Result	The image changes from image index 2 to image index 1
Test Result	Passed

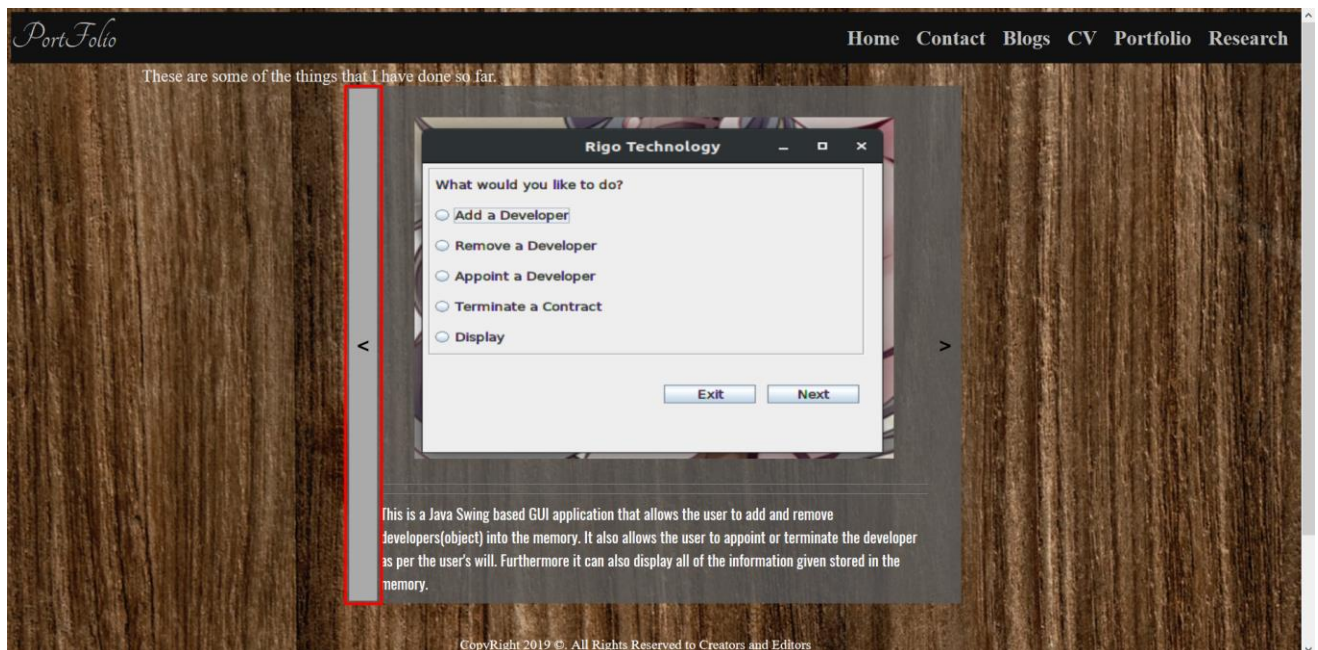


Figure 22 Test 5.1

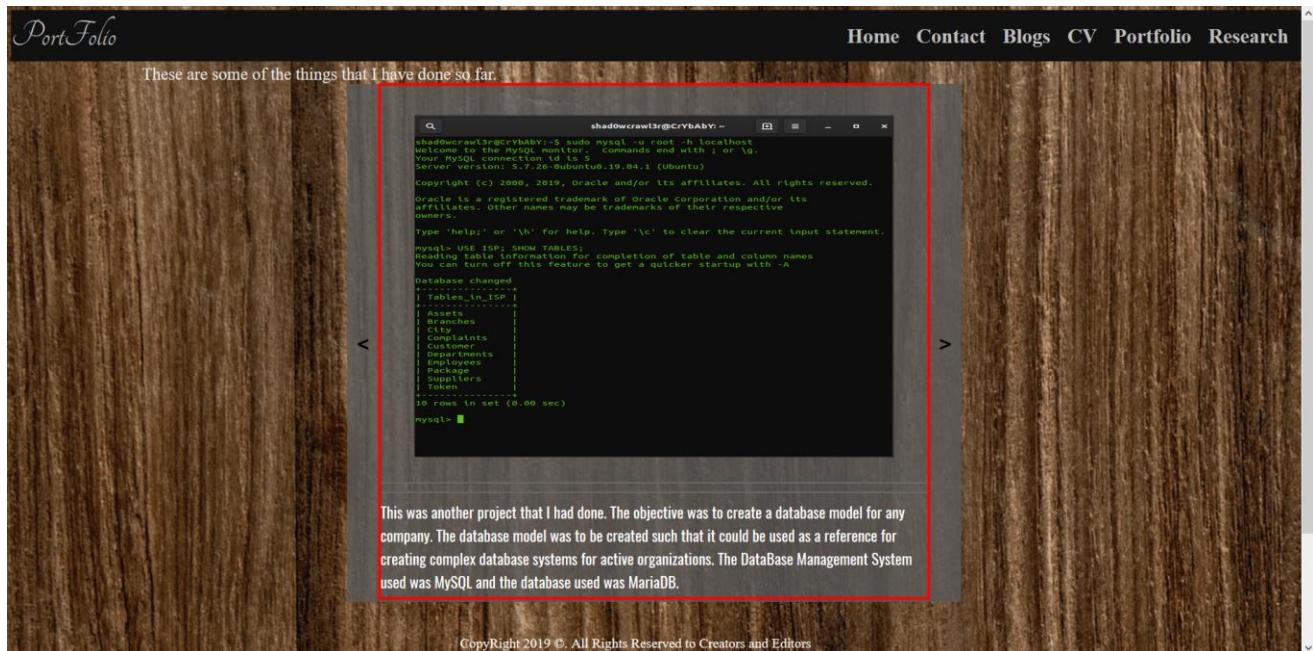


Figure 23 test 5.2

Conclusion

The main task of this project was to create a website that implied HTML5, CSS3 and JavaScript. This was a daunting task as the design part of the website that has the most impact was entirely left out to us. Using CSS and JavaScript we had to bring the boring text in HTML to life.

Designing a website was a vary much tiring task as it required research on various different fields like proper attributes for various tags, properties for CSS and their respective values, etc. As we were restricted to the vary basic knowledge of just HTML before, when CSS and JavaScript were first introduced to me, I was completely blown back by seeing what just a few lines of code could do. Also, since the design of the website was left entirely to us, for an entire week, I had to figure out what sort of website I would have to make.

By trying to do the same thing again and again, by repeated trial and error the project was finally completed. But since we were not allowed to use any other secondary tools to help us with our website, the project had its complexity increased. Various elements do not appear or behave in the manner that I had wanted them to, but in the end, I could finally complete what the coursework asked us to create.

Bibliography

Duckett, J., 2011. *HTML & CSS design and build websites*. s.l.:s.n.

Meyer, E. A., 2004. *Cascading Style Sheets*. 2nd ed. s.l.:s.n.

Mozilla, 2019. *JavaScript* / *MDN*. [Online]
Available at: <https://developer.mozilla.org/en-US/docs/Web/JavaScript>
[Accessed 2019].

Simpson, K., 2015. *UP & GOING*. 1 ed. s.l.:O'Riley.

Stack Overflow, 2019. *Stack OverFlow*. [Online]
Available at: <https://stackoverflow.com/>

Tutorials Point, 2019. *Tutorialspoint*. [Online]
Available at: https://www.tutorialspoint.com/html_online_training/index.asp
[Accessed 2019].

w3.org, 1997. *Conformance: requirements and recommendations*. [Online]
Available at: <https://www.w3.org/TR/REC-html40-971218/conform.html#deprecated>
[Accessed 2019].

W3Schools, 2019. *Introduction to HTML*. [Online]
Available at: https://www.w3schools.com/html/html_intro.asp
[Accessed 2019].