Web Development – CSY1018
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Report

<u>Github live URL</u>: https://977craving-knowledge.github.io/a1b2c3d4csy1018/

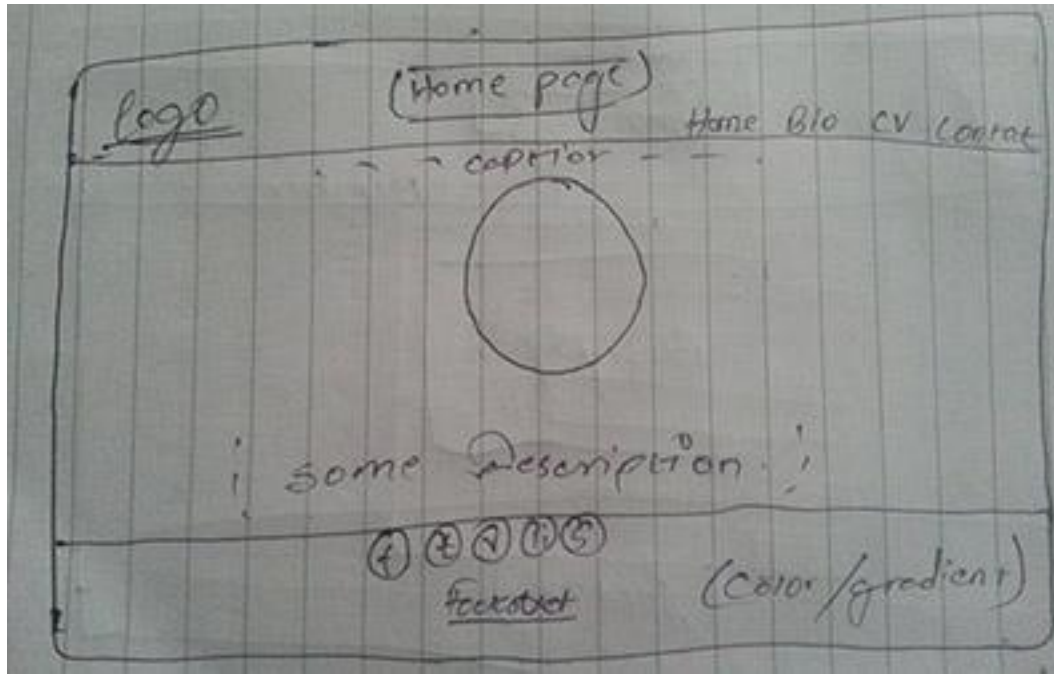# Contents: Pages

1. Introduction:

This is my report on the web development assignment of the module CSY1018. This module is about web development through programming in various languages. But this assignment is completed only using HTML5 and CSS3 as the course only covers those two languages in the first semester. The requirements of the assignments were provided by the corresponding module tutor of The Northampton University. The basic assignment requirements were that the website was to be developed only using HTML5 & CSS3 and that the web pages should be validated for proper standards. Another basic and fundamental requirement was that the website be live in Github. So, this assignment is completed according to the proper guidelines provided by the university.
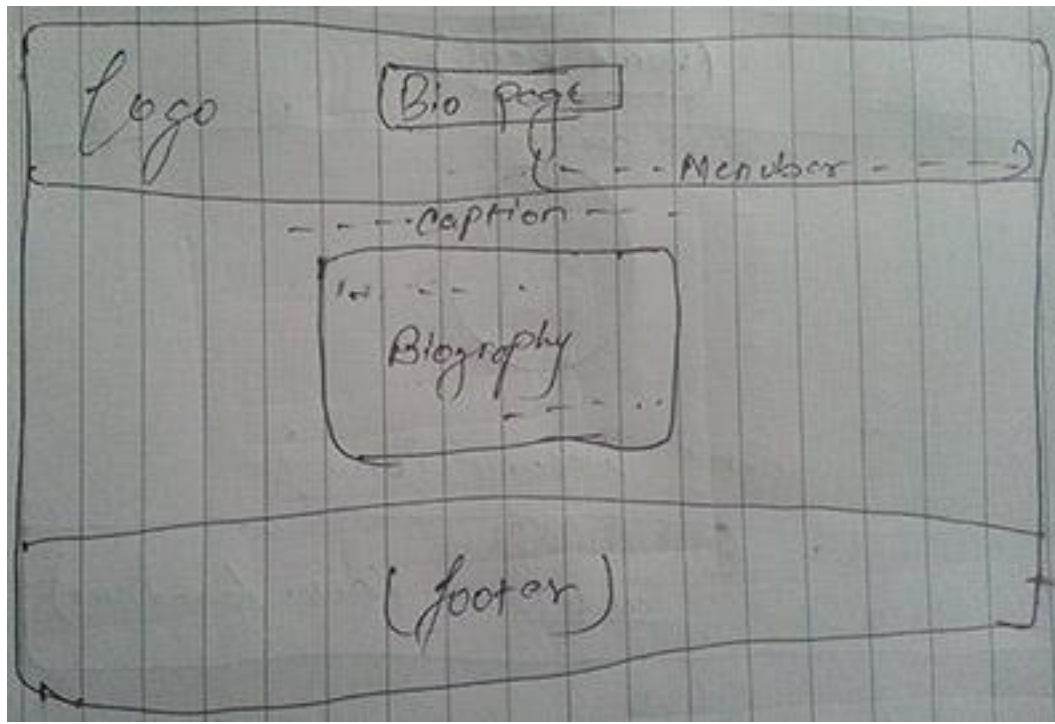
2. Development:

The development of the web pages for this assignment takes place in various steps. The development process starts form the very beginning when I developed the concept of how my web pages would look like. Then the concept was formulated into rough sketches. The sketches were than developed into proper wireframes. Thus, finally slicing the wireframes into the actual web pages.
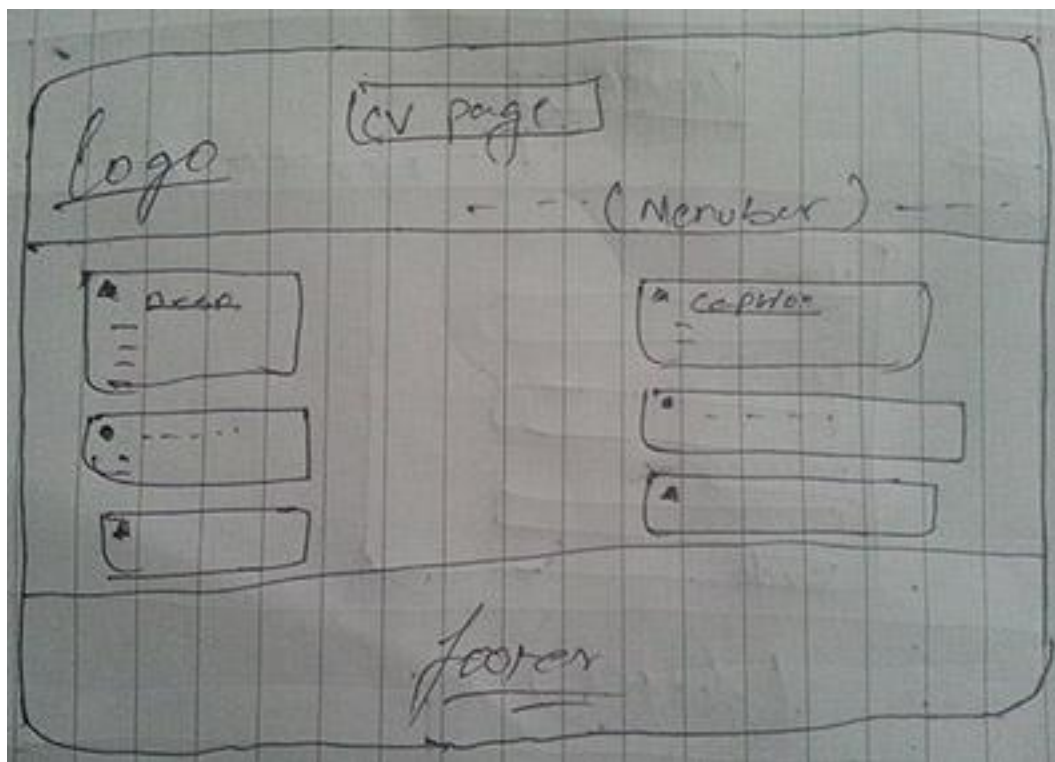
2.1 Sketches:

At first rough sketches were made on paper according to my concept of the web pages. This step was taken because it is necessary to make proper wireframes later on. Also this was done as a way of having the concept on a hard copy. The rough sketches that were drawn at the very beginning are given below.
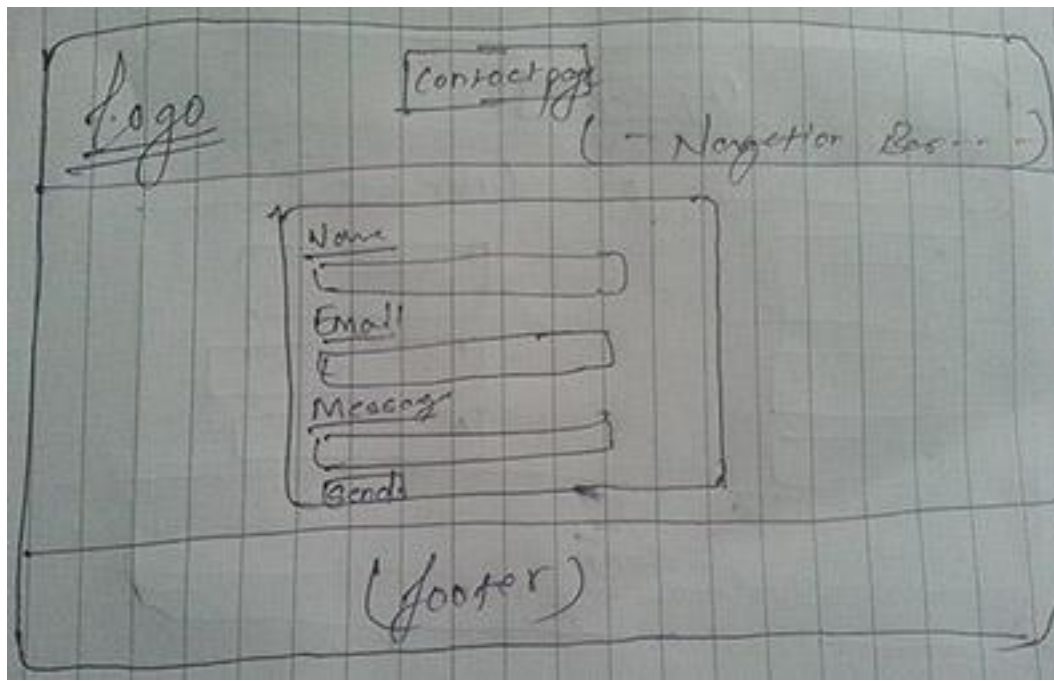

Homepage

Bio Page

CV Page

Contact Page

The rough sketches above shows the various contents of our web pages like the header and the footer section. The sketches give us hints about the placements of various contents of the corresponding pages. The particular sketches shows that the header and the footer region of every pages remains the same where the navigation bar is locates at the right and the logo is placed at the left end of the header section. Also on the footer section the footer text and the social media thumbnails are placed at the center.
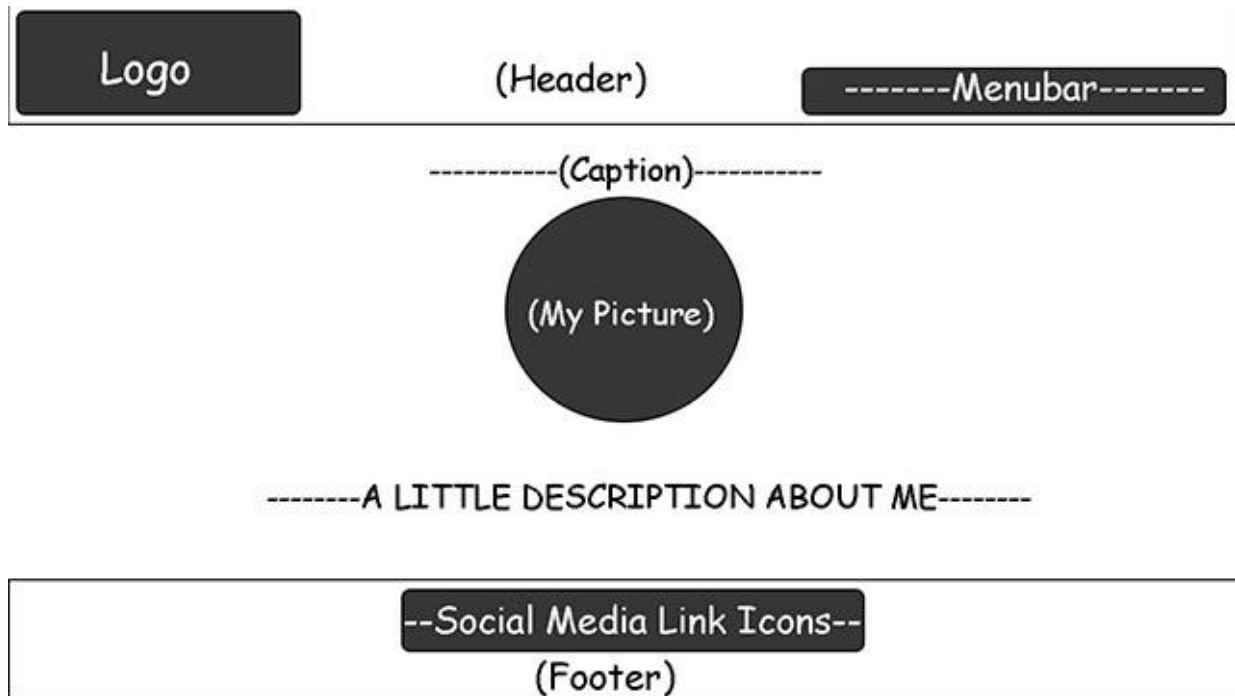
Also the various contents of the different pages are seen placed at the various positions in between the header and footer part as shown in the images above.

2.2 Wireframes:

The rough sketches were then further formulated into proper wireframes using Adobe Photoshop's tool called 'Artboard' which is particularly used for web development purposes. The main reason to make wireframes is because they act as guidelines when we start making our web pages. The wireframes made for my web pages are given below.
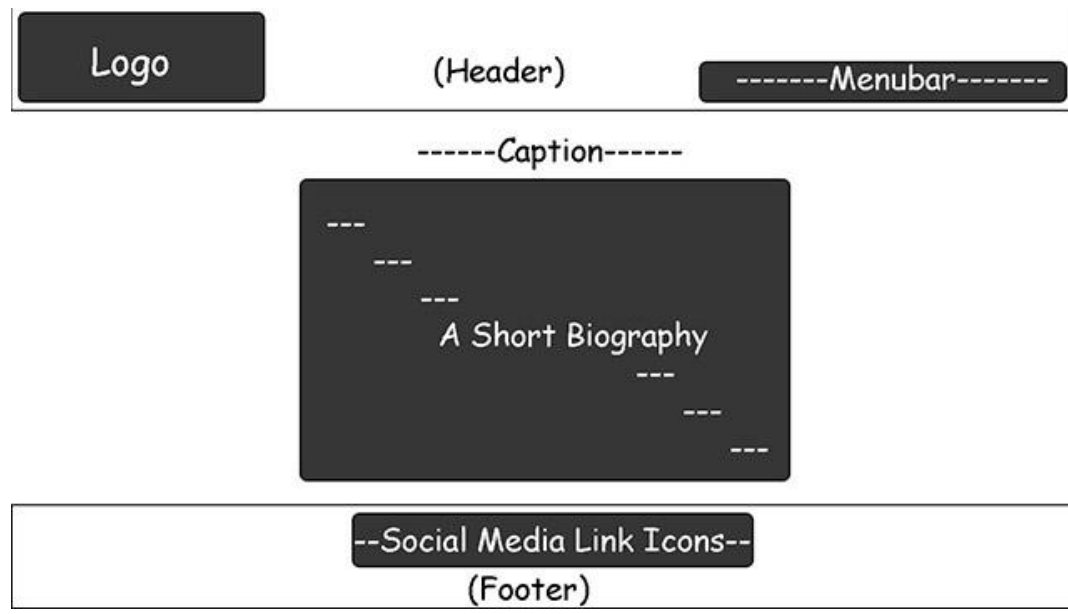
2.2.1. Home Page Wireframe:

      The given wireframe is of the home page of my website. In this wireframe we can see the placement of the various contents of the home page. We can see that the header and the footer are same as explained above. In the mid part of the design we can see the placement of a circular place for image. There is a caption just above it. Also there is a description part below the image.

| Logo | (Header) | -------Menubar------- |

-----------(Caption)-----------

(My Picture)

--------A LITTLE DESCRIPTION ABOUT ME--------

--Social Media Link Icons--
(Footer)

Home Page Wireframe
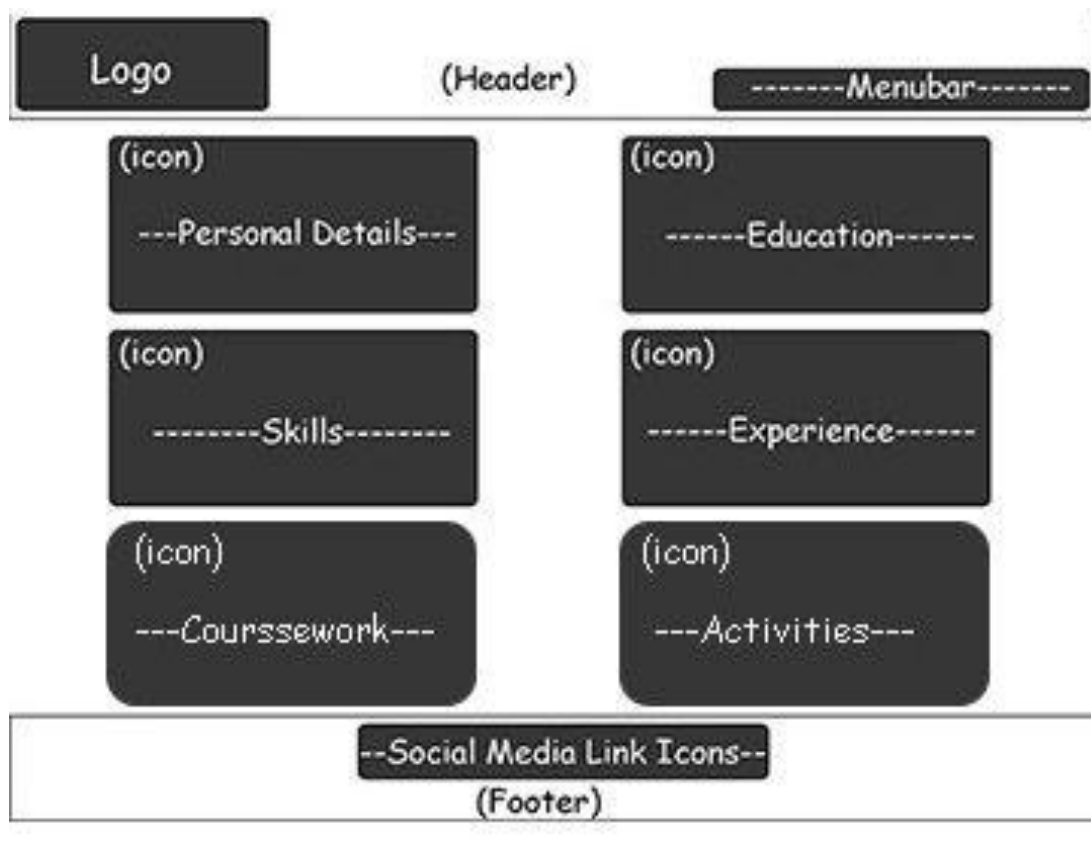
2.2.2. Bio Page Wireframe:

Here in this wireframe of the bio page of my website we can see that there is a platform of the actual contents (text) of the biography is placed. Also there is a caption above the said platform. The header and footer remains the same just like in other designs.

Bio Page Wireframe

2.2.3. CV Page Wireframe:

The figure given below is the wireframe of the CV page of my website. The design is made in reference to the corresponding rough sketch shown earlier. This design shows where the various contents of this particular page are placed. The contents of this page are stored in three rows and two columns. Each of the items is taken as a separate division, then contents of each row are placed in separate sub-division and lastly the sub-divisions are placed in a master division. Each item of this page contains an icon, a title and a little relevant information on the given title.

CV Page Wireframe

2.2.4. Contact Page Wireframe:

  The image below represents the wireframe of the contact page of my website. The header and the footer section is the same as all the other designs. However the middle part of the page contains a page caption below which is a static form. The given form contains subtitles and a place to input respective data, at the end of the given static form there is also a send button.
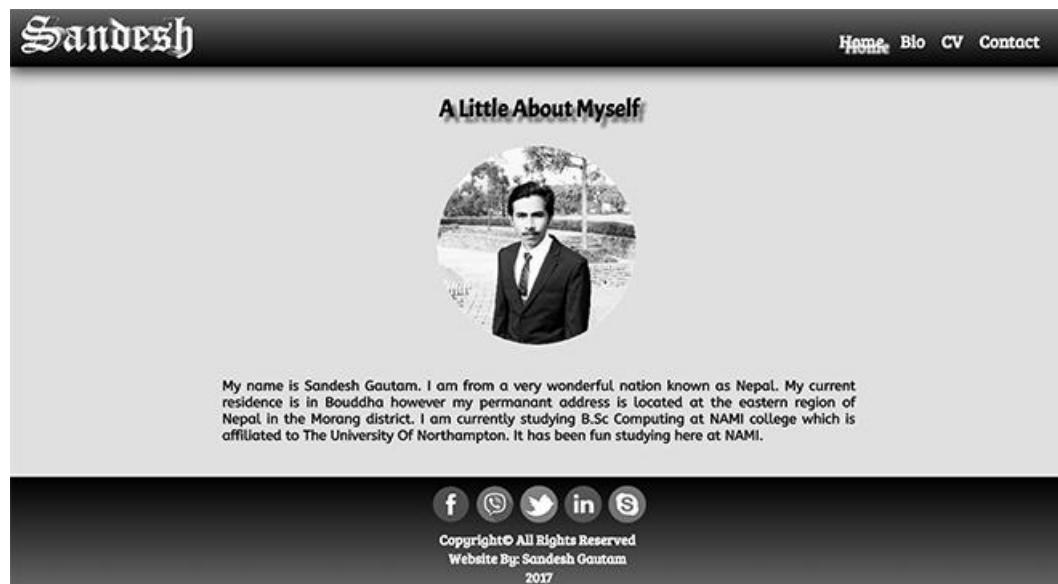

Contact Page Wireframe

<u>2.3 Slicing and Final WebPages</u>:

Slicing is the process of taking the reference designs i.e. wireframes or sketches and making the web pages according to the given designs. So as the title suggests I sliced the above given web page wireframes and made the web pages in reference to those designs. The designs and the various effects of the web pages were given during the slicing process. Different fonts have been used for texts in different places to give an appealing look to the website. Transition effects have been used throughout the pages in various contents to make the website more interactive. Images and icons have also been used to enhance the design of the web pages. My particular website has a black and white or rather a grey theme with all its contents is colored black, white or grey. The final web pages and some description about them are given below.

2.3.1. Home Page:

The webpage given below is of the home page of my website. The webpage has my logo ate the left and the navigation bar (menu bar) and its contents at the right end of the header section. The header section has a background with a vertical gradient effect going from the color black at the very bottom to the color grey at the top. Also we can see there is a text shadow effect in the word 'Home' of this page. This effect is given to denote the current page that we are currently on. The footer part of this page has some information about copyright and by whom the webpage is made. This section also consists of some circular social media icons all aligned at the center of the section. This particular section of the webpage also has a gradient effect but as opposite to that of the header section with the color black at the top and the color grey at the bottom.

Aside from the header and the footer section this particular webpage consists of a caption just below the header which has a text shadow effect. Just below that there is a image of myself in a circular format and a black & white filter. And lastly, below the image there is a little description of myself.

2.3.2. Bio Page:

The image of the webpage given below is of the bio page of my website. We can see that the footer part is the same and will remain the same for all the web pages. However the header section changes a little for different web pages. Such as for this page, the 'Bio' in the navigation bar has a text shadow effect as it is the current (active) page.
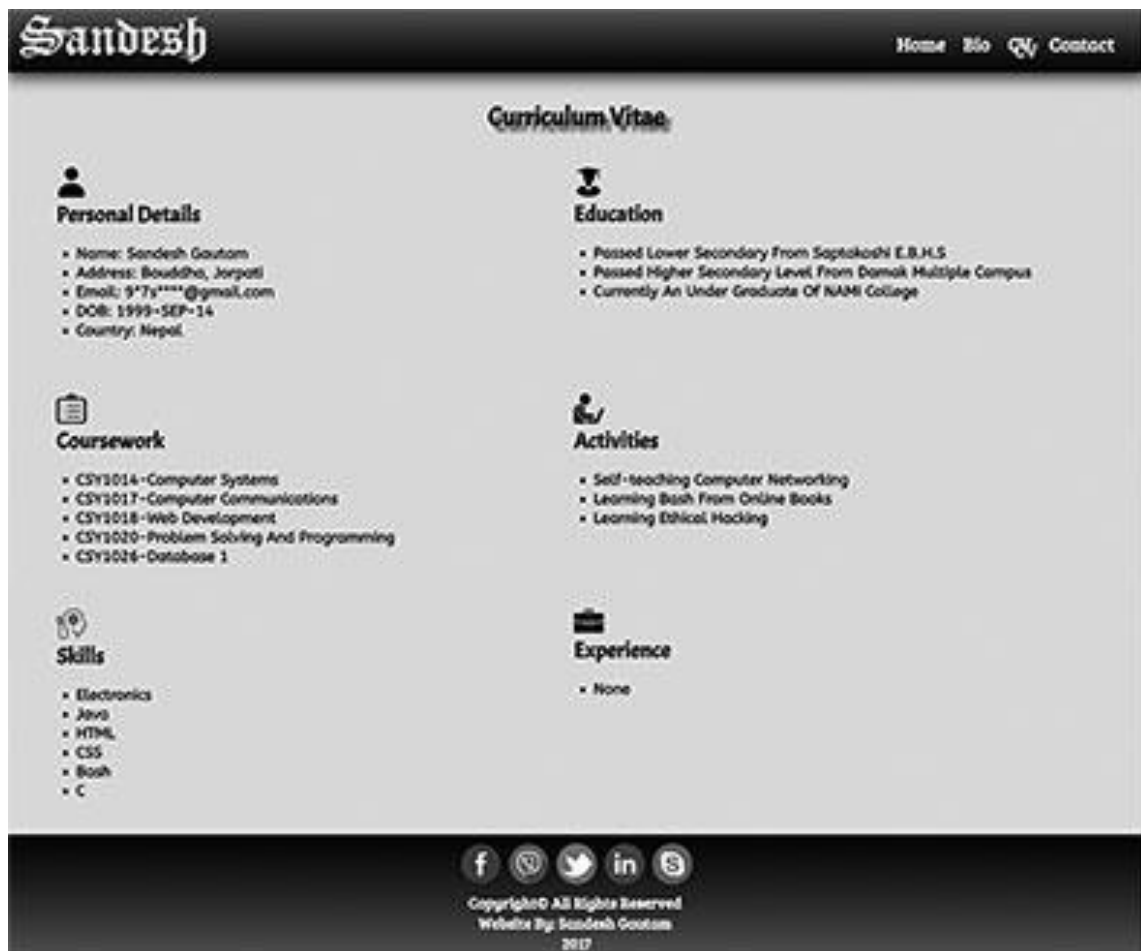
Just below the header, there is a caption at with a text shadow effect that is in reference to the current webpage. Just below that there is box like platform with a black background with a shadow effect. This constains the biography in a white text.

2.3.3. CV Page:

This is the CV page of my site. The footer remains the same where as the header changes just a little to show the active page.
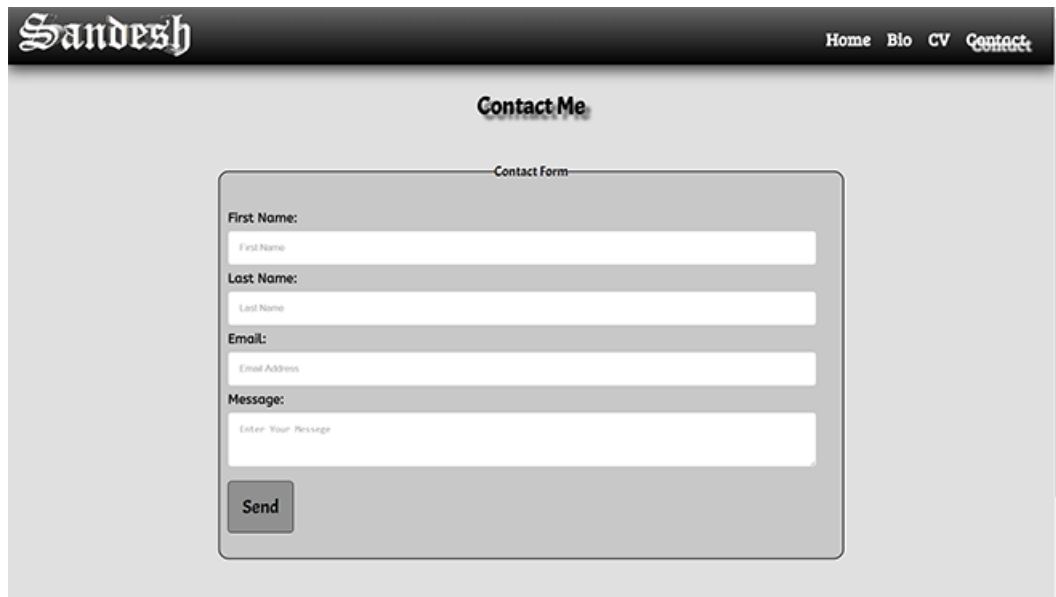
This page consists of description about various aspects like personal details, activities, coursework and more. The contents are presented in separated blocks and in three rows and 2 columns format. Each block contains an icon, a title and related subtitles. Also the page has a caption just below the header with a text shadow effect.

2.3.4. Contact Page:

This is the contact page of my website. the footer is same although (not shown here). The header differs a little to show the current page.
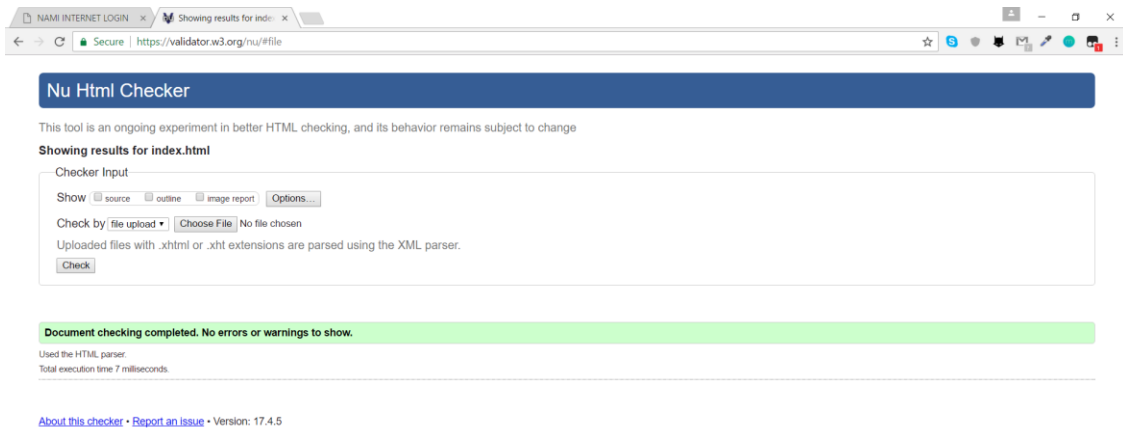
This particular page has a caption with a text shadow effect just below the header. Just below that we can see a static form with various parameters like first & last name, email and message. It has different places to input required data and also has a send button at the very end all enclosed inside a box with a border and a background with a different shade of grey as a background.
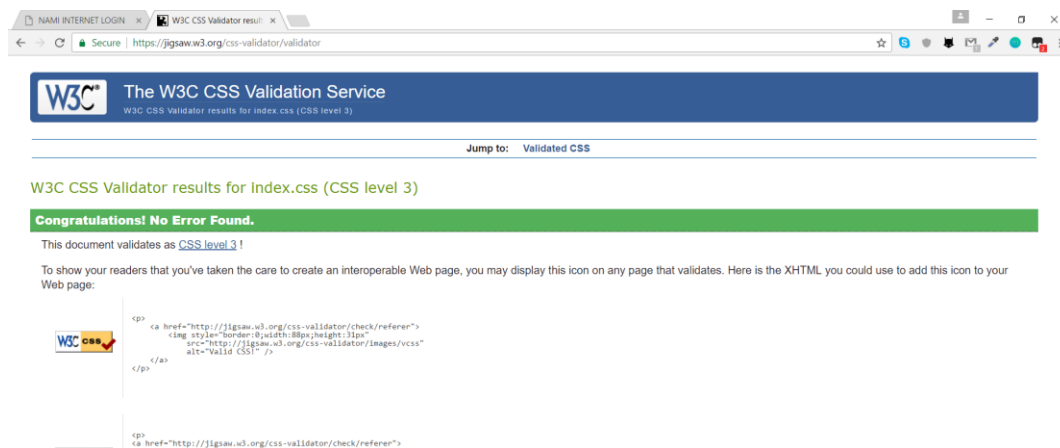
2.4. Validation:

The HTML and CSS files were validated to proper w3 standards. The files were validated through the websites https://validator.w3.org/ and https://jigsaw.w3.org/css-validator/ used for HTML5 and CSS3 validation respectively. There were warnings and errors at the first validation procedure. Necessary amends were made in proper places as suggested by the validation test until and unless the web pages of my site were error free. The assignment requirement said that warnings were acceptable but I went ahead and removed those warnings also.

HTML Validation

CSS Validation

3. Good Practices:

Good practices are followed to make websites more user friendly, efficient and for some appearance enhancing factors. Good practices are followed in most of the websites all around the world. Good practices that I specifically followed are as follows.

1. The website that I made has a responsive design using media queries. That means that the web pages appear different and responsive when viewed in different devices of different sizes.

2. The images in my website have been properly optimized and resized to decrease the loading time of the web pages.

3. Various fonts have been used in different segments of the web pages to make website more attractive.

4. Different transition effects have been used to enhance the appearance of the website.

5. Also various icons have been used to make the site more attractive.

6. Flex structure is used because it is easy to manipulate and a lot easier to use than float.

7. While coding, proper indentation have been given in a very smooth way so that the person studying the code would find it easy to read the vast lines of codes.

8. Lastly, proper and descriptive comments have been given between lines of codes which makes it easy to study the code and also identify which part of the code is for which segment of the corresponding web page.

4. Work Progress:

The site that I built wasn't made in just one day. I started on this site 6 weeks ago with several commits on my Github account. Various amendments were made along the way. Changes in the design to the color combination and theme factors were changed several times. The site took 6 weeks to complete with commits starting on my Github account starting from a month ago. First I started on the site with a different design but along the way, I found that design to be less appealing. Than is change the entire layout of the website and started form the scratch with a different concept. Likewise I kept adding and editing the contents of the site as I chose it to be. Lastly, after 6 weeks of regular work I have finally landed on the site as it is now.

5. Conclusion:

This project took a lot of time ad several hours of regular coding.. This was done entirely using HTML5 and CSS3. Too bad i couldn't use JavaScript. It would have made the site more appealing. I will definitely use it in the next project. This project (assignment) taught us the proper way of web development.

5. References:

The reference that I took while making my website is given below:

1. W3schools (2017) *CSS Forms* [Online] Available From:
   https://www.w3schools.com/css/css_form.asp [Accessed: 26th March 2017]