



slington college
(इस्लिङ्टन कलेज)

Module Code & Module Title
CC4002NA Information Systems

Assessment Weightage & Type
30% Individual Coursework

Year and Semester
2018-19 Autumn

Student Name: Amit Kharel

London Met ID: 18030074

College ID: NP01CP4A180219

Assignment Due Date: 2019/05/10

Assignment Submission Date: 2019/05/10

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 marks of zero will be awarded.

Table of Contents

Introduction	1
Discussion and Analysis.....	2
Wireframes.....	4
1. For Home Page:.....	4
2. For CV Page:	5
3. For Blog Page:	6
4. For Research Page:	7
5. For Contact Page:	8
Web Pages.....	9
1. Home Page	9
2. CV Page.....	10
3. Blog Page.....	11
4. Research Page	12
5. Contact Page	13
Testing	14
Test-1	15
Test-2	16
Test-3	17
Test-4	18
Test-5	19
Conclusion	20
References.....	21

Table of Figures

Figure 1: Home Wireframe	4
Figure 2: CV Wireframe.....	5
Figure 3: Blog Wireframe	6
Figure 4: Research Wireframe	7
Figure 5: Home Page	9
Figure 6: CV Page.....	10
Figure 7: Blog Page.....	11
Figure 8: Research Page	12
Figure 9: Contact Page 2	13
Figure 10: Contact Page	13
Figure 11: Black Box Testing (Stockdale, 2017).....	14
Figure 12: Test-1	15
Figure 13: Test-2.....	16
Figure 14: Test-3.....	17
Figure 15: Test-4.....	18
Figure 16: Test-5.....	19

Table of Tables

Table 1: Test-1	15
Table 2: Test-2	16
Table 3: Test-3	17
Table 4: Test-4	18
Table 5: Test-5	19

Introduction

The project is made fulfilling all the requirements made by the assignment given to us. The assignment included a Portfolio Website consisting of five webpages along with its proper documentation. The tools that have to be used to complete this assignment were HTML, CSS and Java Script for web development and Ms-Word for documentation. Keeping aside the website requirements, the documentation includes introduction to the project, discussion and analysis which describe how was this project developed, wireframes of 5 pages, screenshots of those pages, testing of different elements on the pages and finally conclusion.

The website includes 5 different pages: Home, CV, Blog, Research and Contact. In the homepage, a simple navigation bar with basic info of mine is inserted with footer. The CV page consists of all my information fulfilling all the requirements that all CV must contain. The blog page is all about a short description on how technology has effects in our daily lives which includes introduction to technology, impacts of technology, technology trends and finally conclusion. Also, I have added some external links inside cards for extra information on technology. Then, the research page is all about the research we made within the due course of website development like, the code we took help from, some designs for our page, etc. Finally, the contact page includes simple form asking for name, email and message to help the person using this portfolio website reach to us. Also, there includes one Hire Me button which shows my availability whether I am available to be hired and if yes then an email is sent to me automatically on button click.

Discussion and Analysis

The project currently made had many requirements to fulfil. Besides the requirements for documentation, the website had many more requirements. Different tools and techniques required in order to make the website fully working and responsive. Below is described all the steps that were taken during the development of this website.

-Tools used:

1. Visual Studio Code
2. Ms-Word
3. Google Chrome
4. Adobe Photoshop

There were certain requirements we had to fulfil while developing the website which were:

1. Five pages were mandatory i.e. Home, CV, Blog, Research and Contact.
2. A simple navigation bar which navigates to all the pages of the Portfolio Site.
3. A simple table anywhere must be included.
4. A form in the contact page which asks for our information and message.
5. And all the basic HTML tags had to be included.

First of all, the main task was to choose which IDE of programming tool to use. I chose Visual Studio Code for this. Since, the programming languages to be used were HTML, CSS and JavaScript, I found Visual Studio Code to be much efficient in web development area. After the IDE, I had to code and I wasn't much familiar with those languages as I am from app development background not web development. So, I first started learning some basic tricks needed to make a portfolio website. When I was ready, I started with making the website.

As we needed to make five pages i.e. Home, CV, Blog, Research and Contact. I started from Contact Page. First, I looked over on internet for some contact us templates but I didn't find any fulfilling my need. Then, I made a wireframe with my own design and started coding. I finished the form section but it didn't look complete for me. Then I intended to add google map at the side of form section. I copied code from official google

site and added it to my page. And I made the map toggle through a button when clicked shows the map and when clicked again hides it. And the contact page was finally made. But the contact page was not only about designing, it also must have a brain which checks for correct information to be added in the input fields. Then I wrote script that checks for empty fields and also correct pattern for the email entered. Then after the script and style contact page was completed.

The other need of this project was a navigation that navigates to all of the five pages. So before designing other four pages, I intended to design a navigation bar. For this, I used Adobe Photoshop to make my logo. I added the logo and also the links to all the pages in navigation bar. Finally, it was completed.

After the navigation bar i.e. header, I designed my footer. I had my own design of footer which I designed earlier during my college days. I included same design in my portfolio site.

Then I designed my CV. I had no idea how CV has to look. So, I searched on internet for CV templates and I found on much attractive and also includes all the information a CV must contain. So, I took help from it and started building my CV. After two days my CV was completed with perfect looks and animation.

The home page of my design is simple which consists of nav bar, footer and a basic information in center with my name and navigation button which navigated to my CV.

After the home page, I designed my blog page. I included a image slider in backend of the page which make the background image slide every 3 seconds with total 3 images. Along with the blog contents that describes about technology, I also included my profile card that shows my basic information and a button that navigates to my CV. For the blog contents I took help from some websites for which I have given references at the end of the research page.

The research page is all about the research we made within the due course of website development like, the code we took help from, some designs for our page, etc. After this page my website was fully complete and ready to be submitted.

Wireframes

A website wireframe, also known as a page schematic or screen blueprint, is a visual guide that represents the skeletal framework of a website. Wireframes are created for the purpose of arranging elements to best accomplish a particular purpose.

(Wikipedia, n.d.)

The wireframes made for the pages developed in this assignment are inserted below.

1. For Home Page:

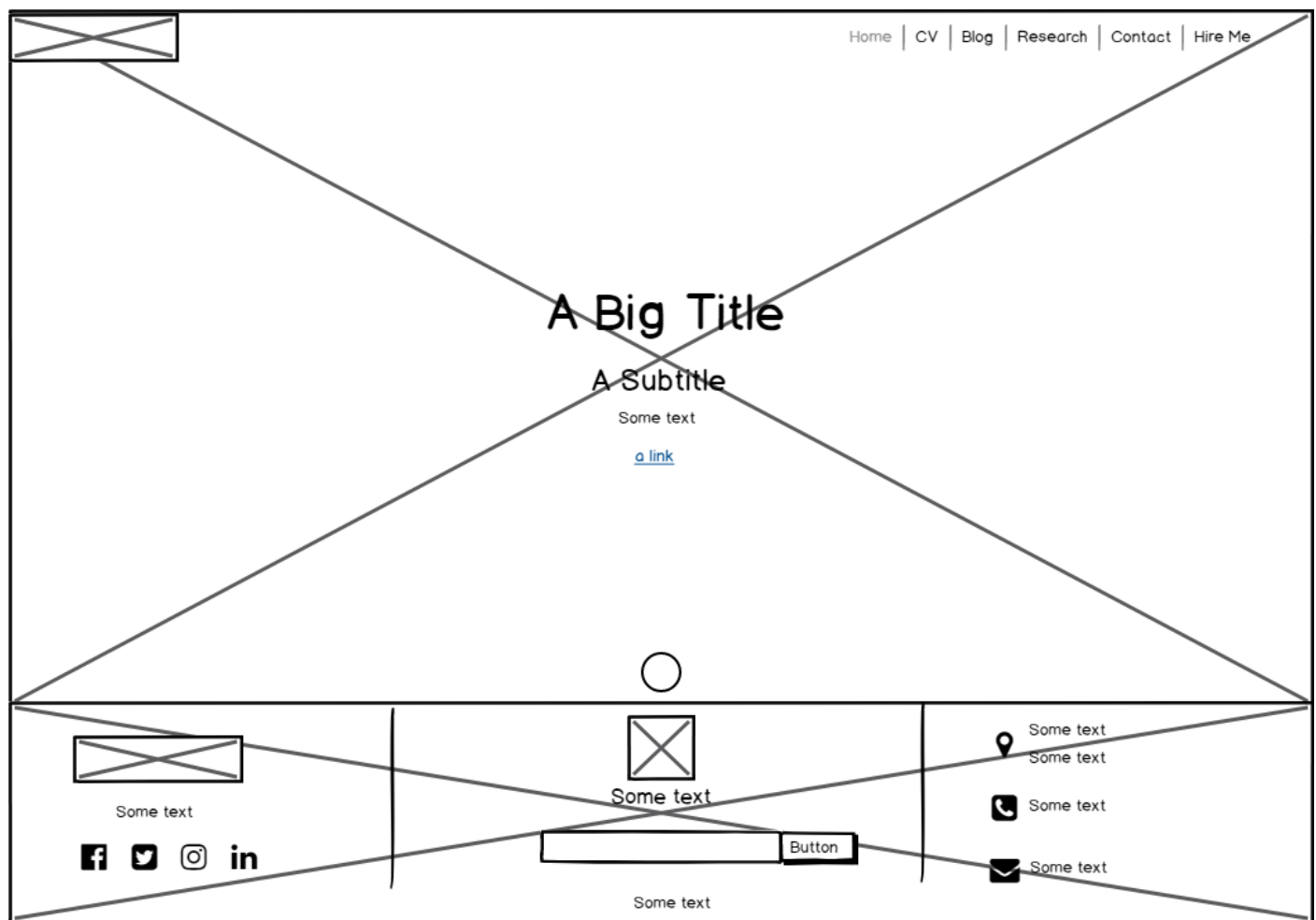


Figure 1: Home Wireframe

Amit Kharel

3. For Blog Page:

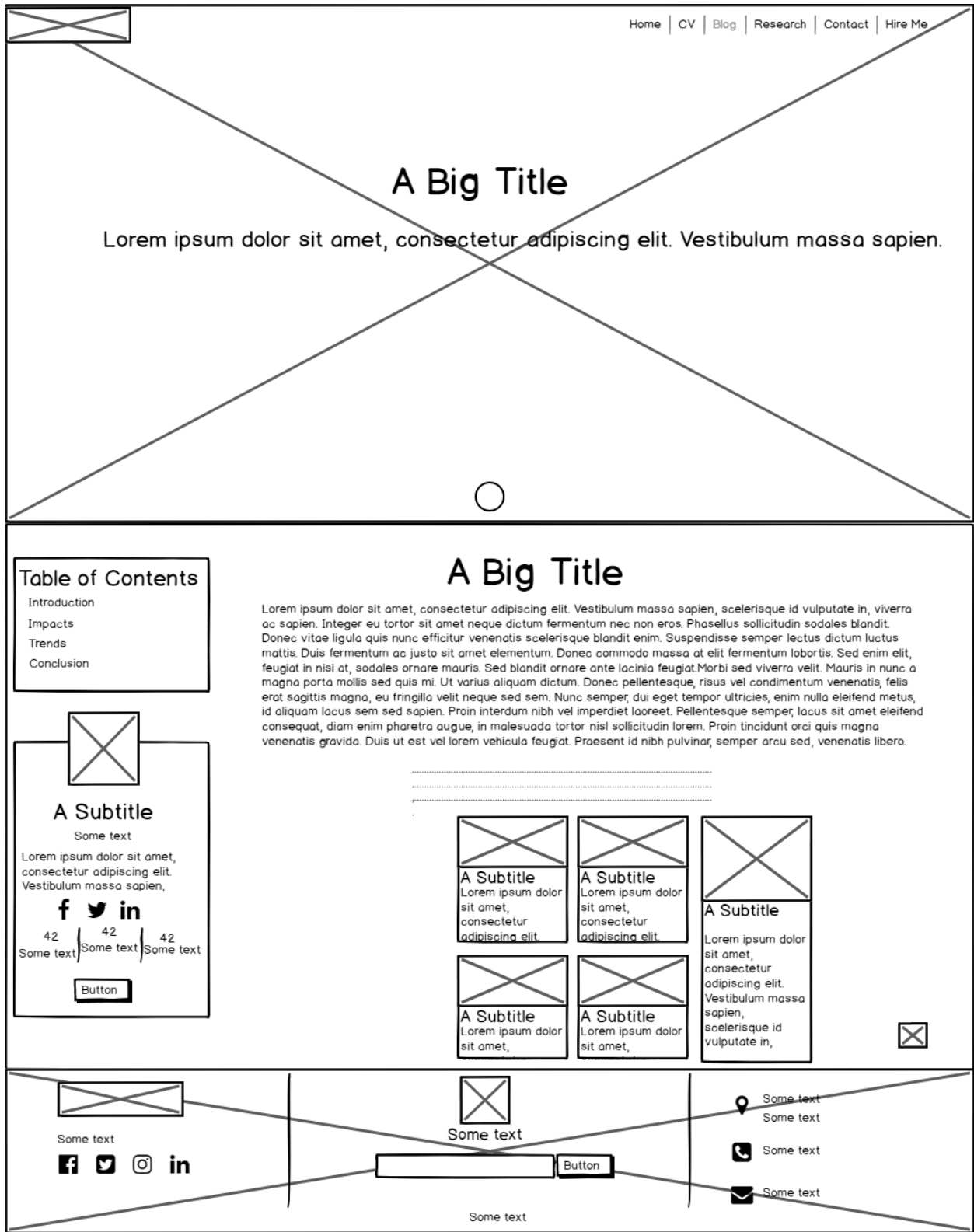


Figure 3: Blog Wireframe

4. For Research Page:

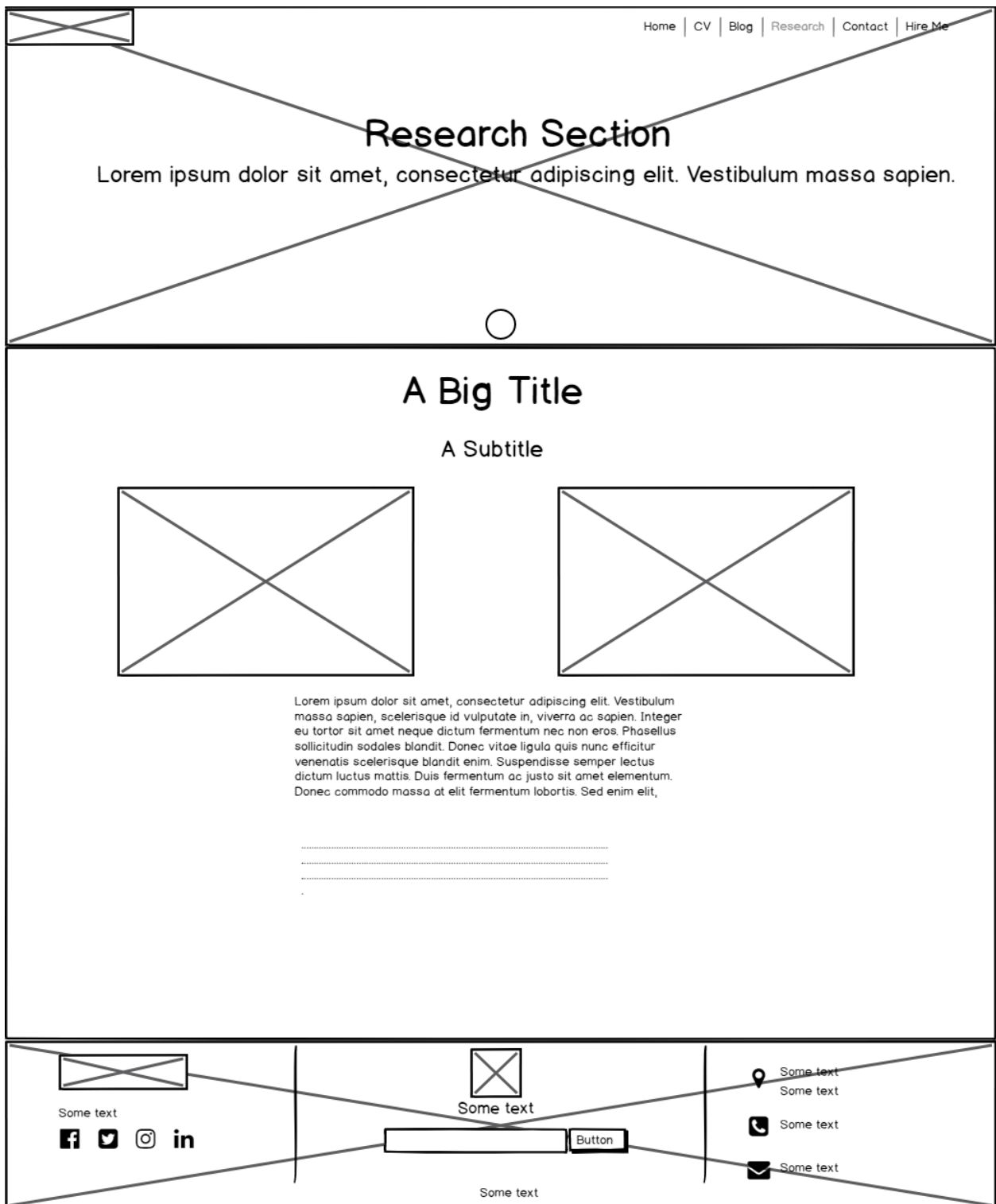


Figure 4: Research Wireframe

5. For Contact Page:

The wireframe illustrates a contact page layout. At the top right is a navigation bar with links: Home | CV | Blog | Research | Contact | Hire Me. The main content area is divided into two primary sections. On the left, a box titled 'Call us' contains two phone numbers: +977-986-771-9666 (active) and +91-855-598-0379. Below this, a section titled 'Find me on google maps' includes a 'Show Map' button. On the right, a larger box titled 'Get in Touch' with the subtitle 'Let's talk about our project' contains a contact form. The form has three input fields: 'Full Name:', 'Email:', and 'Message:'. A 'Submit' button is positioned at the bottom of the form. The footer is divided into three columns. The left column features social media icons for Facebook, Twitter, Instagram, and LinkedIn, preceded by the text 'Some text'. The middle column contains a placeholder box, the text 'Some text', a text input field, a 'Button', and another 'Some text' label at the bottom. The right column lists three items, each with an icon (location pin, telephone, and envelope) and the text 'Some text'.

Home | CV | Blog | Research | Contact | Hire Me

Call us
+977-986-771-9666 (active)
+91-855-598-0379

Find me on google maps
Show Map

Get in Touch
Let's talk about our project

Full Name:

Email:

Message:

Submit

Some text
f t i in

Some text
Some text

Some text
Some text

Some text
Some text

Some text

Web Pages

1. Home Page



Figure 5: Home Page

2. CV Page



Figure 6: CV Page

3. Blog Page



Figure 7: Blog Page

[illegible]

3. Go to Top button

Skill Set

Skill	Percentage	Category
Cognitive	100%	Cognitive
Psychomotor	85%	Psychomotor
Affective	75%	Affective
Problem Solving	65%	Cognitive
Critical Thinking	60%	Cognitive
Creativity	55%	Cognitive
Communication	50%	Psychomotor
Teamwork	45%	Psychomotor
Leadership	40%	Psychomotor
Collaboration	35%	Psychomotor

Legend: Cognitive (Blue), Psychomotor (Orange), Affective (Green)

[illegible][illegible]

5. Contact Page

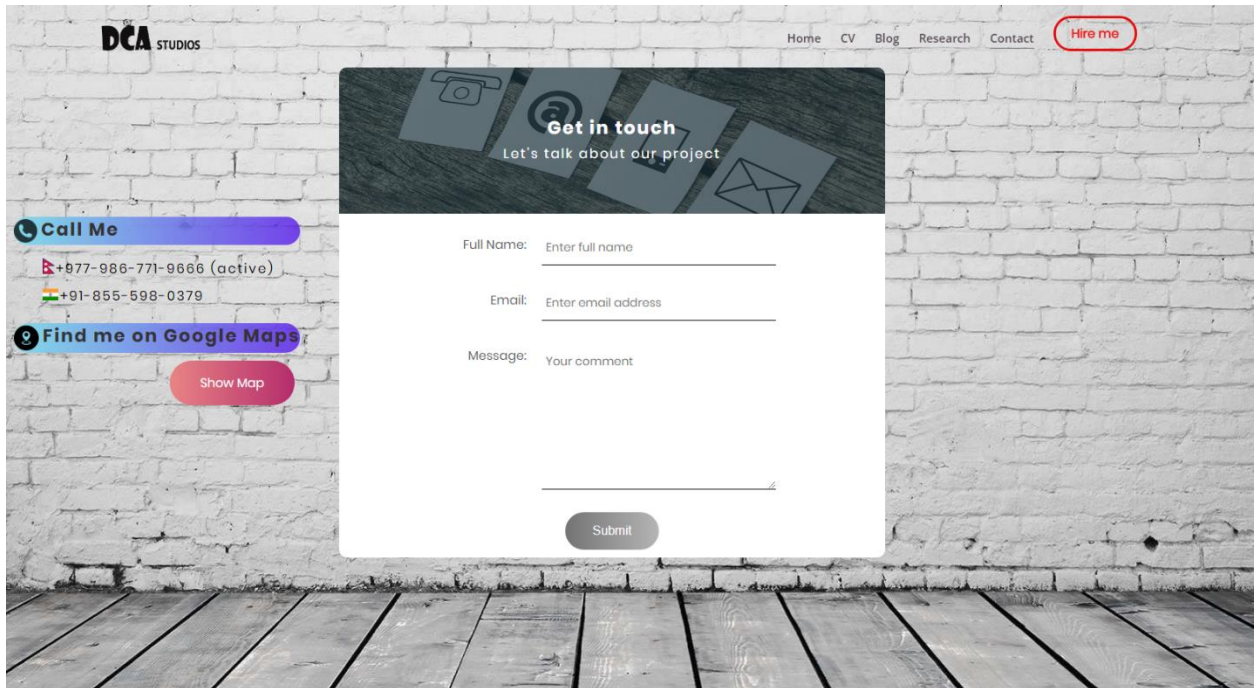


Figure 10: Contact Page

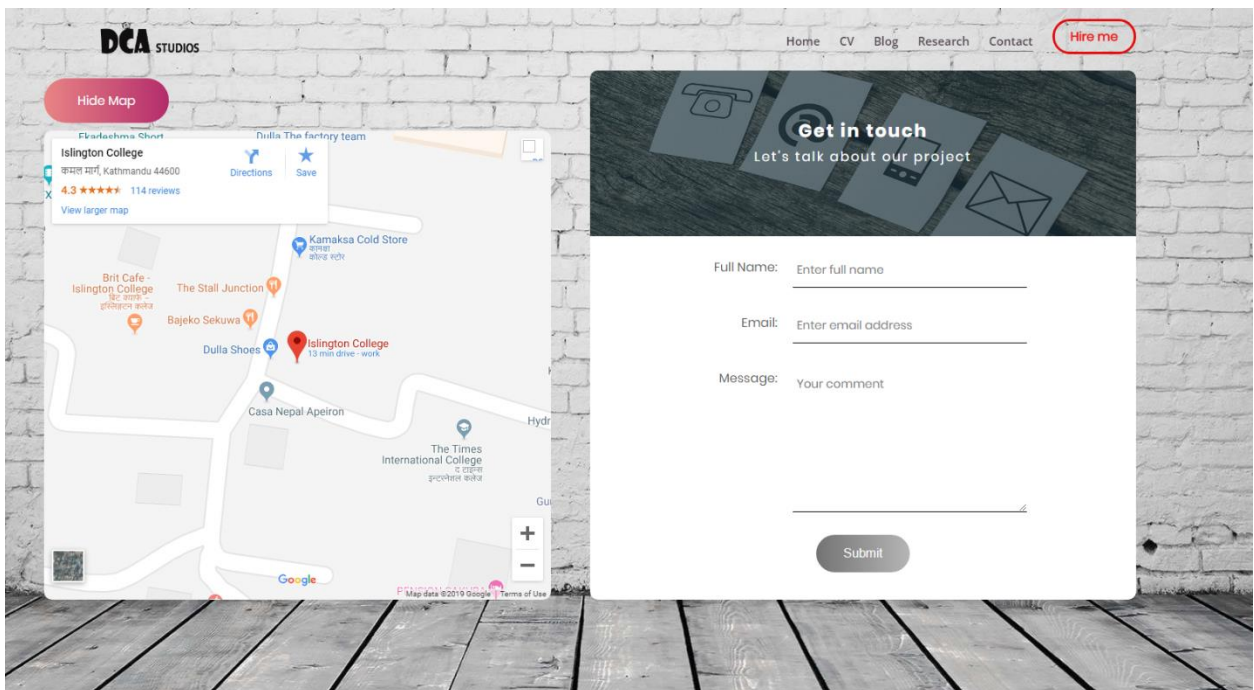


Figure 9: Contact Page 2

Testing

BLACK BOX TESTING, also known as Behavioural Testing, is a testing method in which the internal structure/design/implementation of the item being tested is not known to the tester. These tests can be functional or non-functional, though usually functional. This method is named so because the software program, in the eyes of the tester, is like a black box; inside which one cannot see.

([Software Testing Fundamentals](#), n.d.)

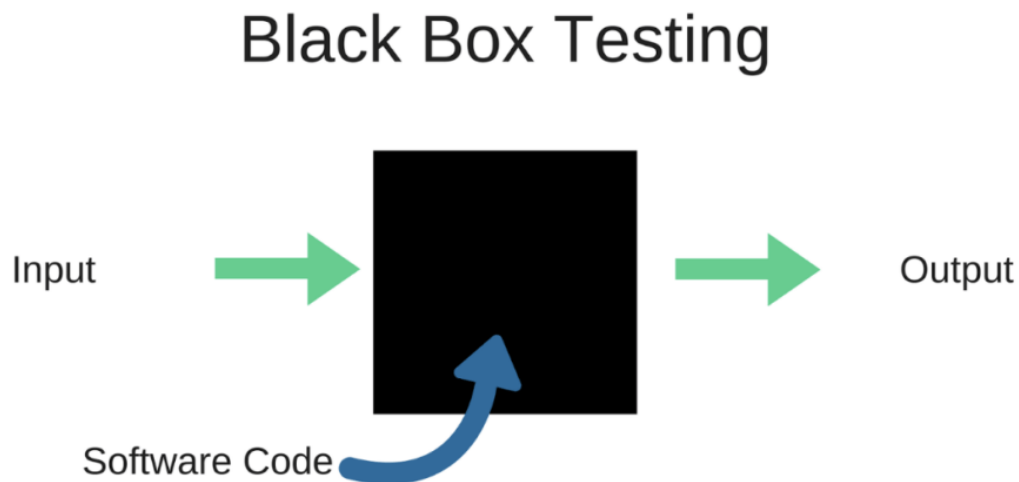
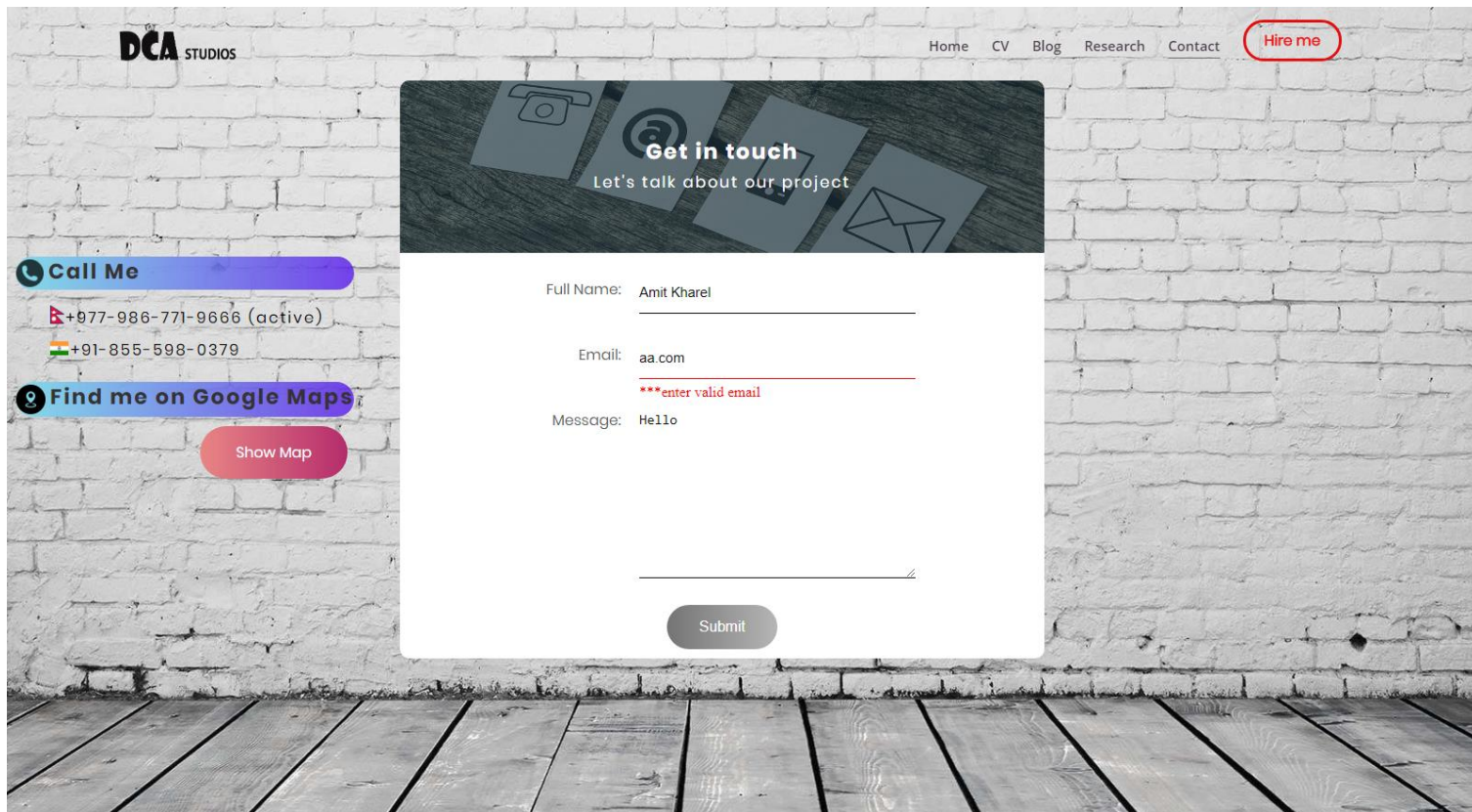


Figure 11: Black Box Testing ([Stockdale, 2017](#))

The black box testing procedures for the webpages of this project are given below.

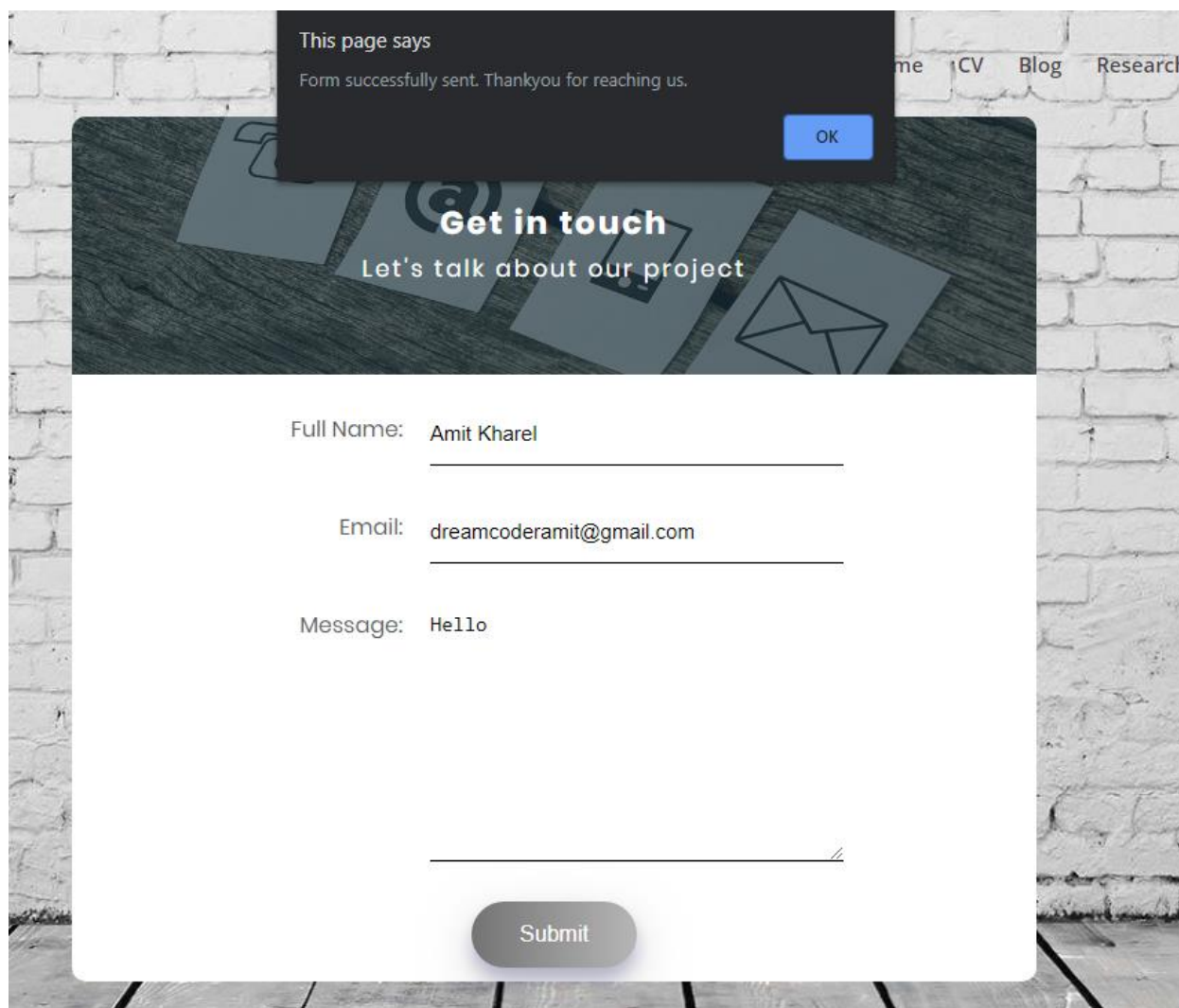
Test-1

Objective	To make popup message on wrong information input.
Action	Invalid email is entered in email box of contact us page.
Expected Result	Error message is displayed.
Actual Result	Error message is displayed below the input box saying enter valid email.
Conclusion	Test Passed.

Table 1: Test-1*Figure 12: Test-1*

Test-2

Objective	To make popup message on correct information input.
Action	Correct information is entered in input of contact us page.
Expected Result	Success message is displayed.
Actual Result	Alert dialog is displayed saying Success.
Conclusion	Test Passed.

Table 2: Test-2

The screenshot shows a web page with a contact form. A dark popup message is displayed at the top, stating "This page says Form successfully sent. Thankyou for reaching us." with an "OK" button. The form itself has a header "Get in touch" and "Let's talk about our project". The form fields are: "Full Name: Amit Kharel", "Email: dreamcoderamit@gmail.com", and "Message: Hello". A "Submit" button is at the bottom of the form. The background of the page is a light gray brick wall.

Figure 13: Test-2

Test-3

Objective	To make maps section show on button click.
Action	Show map button is clicked.
Expected Result	Map is shown.
Actual Result	Map is displayed pointing the current location.
Conclusion	Test Passed.

Table 3: Test-3

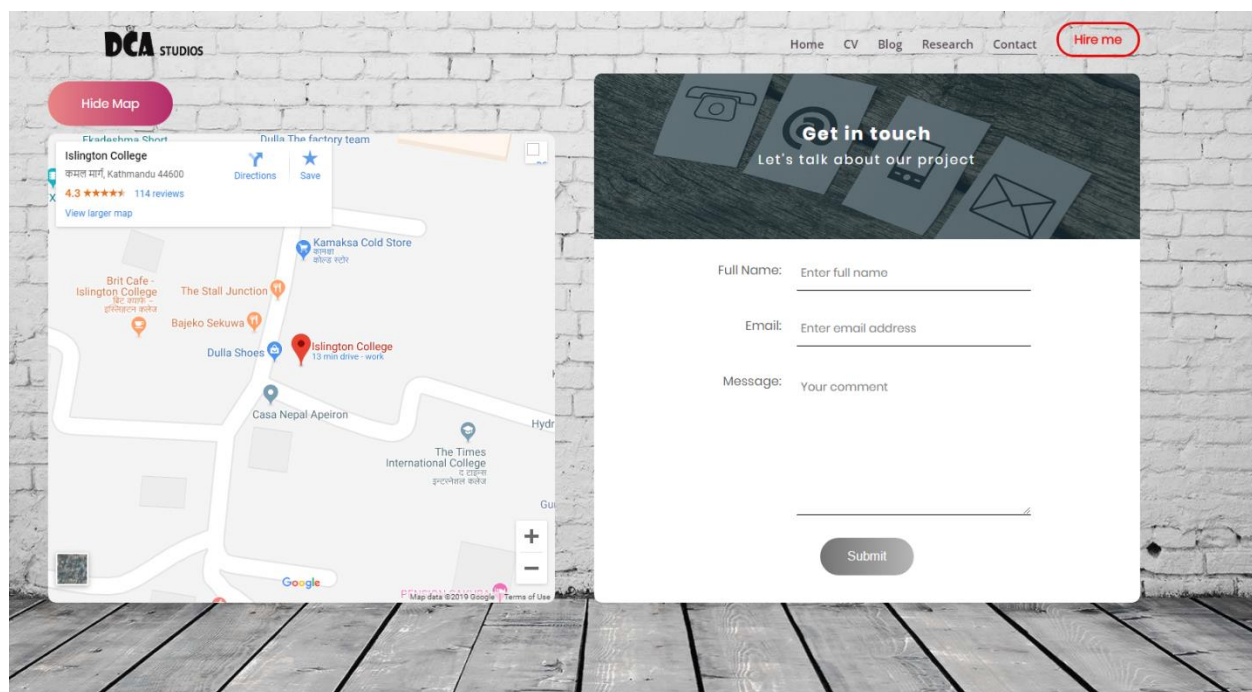
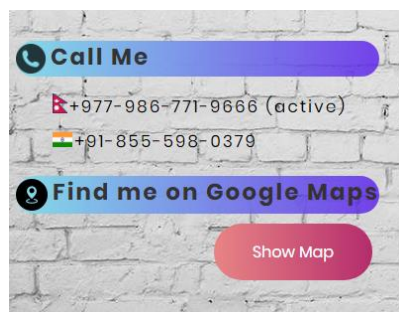


Figure 14: Test-3

Test-4

Objective	Navigation bar is shown even when the page is scrolled down.
Action	Blog Page is scrolled.
Expected Result	Nav bar doesn't disappear.
Actual Result	Navigation bar sticks in its position changing its background color.
Conclusion	Test Passed.

Table 4: Test-4

DCA STUDIOS

Home CV Blog Research Contact [Hire me](#)

TABLE OF CONTENTS

- Introduction
- Impacts of Technology
- Technology Trends
- Conclusion

Amit Kharel
Nepal
I write about whatever happens to be on my mind when I sit down.

f i t

42 Customers | 608 Followers | 56 Projects

[READ MORE](#)

Introduction

We are living in an era of advanced technology, where every part of our daily lives is related to the science of craft in one way or another. There's no doubt that over the years technology has been responsible for creating amazingly useful resources which put all the information we need at our fingertips. The development of technology has led to so many mind-blowing discoveries, better facilities, and better luxuries, but at the same has dramatically changed our daily lives. Various highly-developed gadgets, connected to the Internet, have changed the way we communicate, use humor, study, work, shop, play, and behave. It's not difficult to recognize just how much of the technology we use on a daily basis — from computers, cell phones, laptops, tablets and TVs to refrigerators and convection ovens that cook food evenly. Here are six ways technology impacts your daily life.

Impacts of Technology

Technology and human life cannot be separated; society has a cyclical co-dependence on technology. We use technology; depend on technology in our daily life and our needs and demands for technology keep on rising. Humans use technology to travel, to communicate, to learn, to do business and to live in comfort. However, technology has also caused us concerns. Its poor application has resulted in the pollution of the environment and it has also caused a serious threat to our lives and society. This calls for the proper use of technology. The biggest challenge facing people is to determine the type of future we need to have and then create relevant technologies which will simplify the way we do things.

It is impossible to explore how each new advanced technology has impacted our lives and how it will impact the future. Technology impacts the environment, people and the society as a whole. The way we use technology determines if its impacts are positive to the society or negative. For example, (POSITIVE IMPACT) we can use corn to make ethanol and this ethanol can be used as fuel. Fuel can be used to run machines and cars which will increase the output of manufacturing industries at a lower cost. (NEGATIVE IMPACT) However, if we decide to shift large quantities of corn to fuel production from food production, humans will be left with no food and this will cause world hunger which even is a worse situation.

Figure 15: Test-4

Test-5

Objective	Go to top button on bottom right corner.
Action	Blog Page is scrolled.
Expected Result	Go to top button is shown when the page is scrolled.
Actual Result	The circle go to top button displayed immediately when the page is scrolled past introduction page.
Conclusion	Test Passed.

Table 5: Test-5

The screenshot shows a web portfolio for 'DCA STUDIOS'. The header includes navigation links: Home, CV, Blog, Research, Contact, and a 'Hire me' button. The main content area is titled 'Impacts of Technology'. On the left, a sidebar for 'Amit Kharel' (Nepal) includes a bio, social media icons, and statistics: 42 Customers, 608 Followers, and 56 Projects. The main text discusses the cyclical co-dependence of technology and human life, mentioning both positive and negative impacts. A 'Positive Impacts' section follows, starting with '1. Improved Communication'. A 'READ MORE' button is located at the bottom of the sidebar.

Figure 16: Test-5

Conclusion

After all of the five different pages, hardcore debugging, researches, finally the conclusion. This assignment wasn't a children's play, it required lots and lots of efforts, skipping nights and deep researches after all of which I was able to make fully responsive Portfolio Website with its perfect documentation. Since it had to be completed within 6 weeks, perfect planning had to be done in order to complete the assignment in time. At first, lots of research and studies were carried out in order to be fully known about what things are to be included in the project and how to make my website attractive, user friendly and fully responsive.

With the intention of completing this project, I learned thousands of new things and new ways of creating and designing website. Not only this project helped me develop a portfolio website, it also helped me understand many tricks, advanced CSS and JavaScript which also came handy while developing this project. During the research, I came to know about different CSS tricks, JavaScript functions which are actually much helpful in our personal life if we have to get any job in sector of web development. I visited different websites to make the website more functioning, add animations in my buttons and other elements and make easy to use and a beautiful user interface. Also, the blog in given coursework helped us to gain much more knowledge about how technology has changed our daily life and how we are impacted by it either in positive or in negative ways. For this project to complete, I learned on many ways and tried my best to make it to the end.

References

Software Testing Fundamentals. (n.d.) *Black Box Testing* [Online]. Available from: <http://softwaretestingfundamentals.com/black-box-testing/> [Accessed 12 January 2019].

Stockdale, D. (2017) *The Top Black Box Testing Techniques* [Online]. Available from: <https://testlio.com/blog/top-black-box-testing-techniques/> [Accessed 13 January 2019].

Wikipedia. (n.d.) *Wireframe* [Online]. Available from: https://en.wikipedia.org/wiki/Website_wireframe [Accessed 10 May 2019].