



An Undergraduate Internship Report on Topic

Website Development

An undergraduate internship report submitted by

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BACHELOR OF SCIENCE

In

Computer Science & Engineering

School of Engineering, Technology and Sciences

Semester: Autumn, 2020

Department of Computer Science & Engineering

Independent University, Bangladesh

Date of Submission: 27th January, 2021

ACKNOWLEDGEMENTS

First of all, I would like to thank almighty Allah for giving me the continuance and the capacity to do work difficult. It is my benefit that I had the opportunity to do an internship in Profullo, which is basically an online shop. It's a learning period of myself as a web developer. I would like to thank all the individuals on whom I carry out my internship. I express my profound gratefulness to my internal supervisor

Miss, **Ajmiri Sabrina Khan** Lecturer, Department of Computer Science & Engineering, Independent University Bangladesh (IUB), for her priceless enlightening, persistent direction, valuable reactions and mindful counsel amid seeking after this internship and planning of this report. I express my profound gratefulness to my external supervisor, Mr. Mohammad Tausif Hossain (CEO & Owner of the company Profullo). Too, I express my profound gratefulness to all representatives of Profullo. for their participation and making a difference me to total this internship extend and report. Last but not least, I would like to thank my guardians and other family individuals for continuously giving me their unceasing back.

Nirupam Sutradhar Shuvo

ID: 1620742

27th January, 2021

Letter of Transmittal

27th January, 2021

To

Ajmiri Sabrina Khan

Lecturer,

Department of Computer Science & Engineering,

Independent University, Bangladesh (IUB),

Baridhara Bashundhara, R/A Dhaka-1229

Subject: Submission of internship report, Autumn 2020

It gives me a pleasure to submit my report. I completed my internship in “Profullo” which is a Software Company and an online shop. During my remote internship period, I have not only gained real-life work experience but understood the process of the department and its various aspects. Because of this pandemic situation I am doing my job from home. The following report is based on my experience and the work I did in this company. This report also includes a detailed review of the office as well as the functionalities of the department. As a document of my effort during the internship periods I have conducted all the project works that I have done during my internship periods, especially their requirements, functionalities, and technical specifications.

I pray and hope, this report will be quite interesting and fulfill your expectations. I have tried my best to avoid my deficiencies and hope that my report will satisfy you. I also would like to thank you again for allowing me to submit this report.

Yours most obediently,

Nirupam Sutradhar Shuvo

ID: 1620742

ABSTRACT

Basically The “front-end languages” live in the browser. After you type an address into the address bar at the top and hit the enter button, my browser will receive at least an HTML file from the webserver. That file will likely tell the browser to request a CSS file as well (probably many more than one, but we’ll keep it simple). Each of these languages performs a separate but very important function and they work harmoniously together to determine how the web page is STRUCTURED (HTML), how it LOOKS (CSS). And keep in mind that my browser handles figuring out how to make these files into a functioning web page (not the server).

Front-end web development is not a design but a front-end developer does apply the work of designers to the web page by translating their well- designed layouts into real code. The front-end developer stands between the designer on one end and the back-end developer on the other, translating the design into code and plugging the data from the back-end developer into the right spots. Then he or she must also handle all the possible interactions that the user may need to make with the page.

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1.Introduction

Internship program basically is a learning experience period of any students which is offered by an organization, graduating all students, over a given period of time. It allows students and interns to the understanding of a real job framework and acquire knowledge about their particular field of work. The Internship works as a final polish for graduating students and provides them with the experience of an office environment. This aids the graduating students to become more confident, and bold as employees, allowing them better chances of future job opportunities.

My Company Profullo as an online company & service provider they already have website but which is a basic structured website. Nowadays they want to improve their website so, I helped them to make it easy and join their company as a front-end web developer. Modify their websites contact/about page after that I am working on their sub brand technical bind's website.

Actually, Front-end web developers work is improving or changing websites information to a graphical interface for the client to see and connect with information through computerized cooperation utilizing HTML, CSS. Front-end web improvement, otherwise called customer side advancement is the act of creating HTML, CSS, BOOTSTRAP for a site or Web Application so a client can see and communicate with them straightforwardly.

1.1. Background of the work

Profullo basically an online shop they provide services also, where I joined as a Front-End Web developer. My role is here for making responsible websites with coding and modifying websites if its need.

The aim of my project is building responsible website of their company. So, they can use it for commercial purpose. The company requires a website that will appeal to their existing customer base. The website has to therefore try and satisfy different customer needs.

At early of my internship, I modify my company's about page which contains their contacts, social media links, email, their Happy clients, privacy policy, terms and condition etc. Using my front-end skill, Html, CSS, Bootstrap after that I uploaded it into the company's GitHub account which is another experience for me because I never use GitHub before.

We are using basic HTML & CSS code for technical bind site also.

1.2. Objectives

The main objectives of our system is to make a user friendly interface getting comfortable for shopping. System aims to provide simple, easy access for their products, accessories and services, from their zone of comfort. The most beneficial thing is they don't go for travel or waste their valuable time for shopping. We make them too easy they can find everything under one umbrella which is our company's website. As we know this system is an online-based system, people can use it in their computers/laptops and phones, at any time. The system allows consumers to choose their products which is available in our system.

1.3. Scopes

After developing this web application, when the features are available for our consumers, they can use the system frequently by user registration page they can login or sign up it then go through our website and search their needs like games, google play gift cards, apple gift cards and so on. If they found it then add cart into our system. After giving payment through any visa/master card or mobile banking apps like Nagad, Baksh, Rocket then the product is absolutely yours.

2. Literature Review

2.1. Relationship with Undergraduate Studies

The relationship is too deep with my Undergraduate studies, it's such a pleasure for me that university have a course like Web application development (Course code: 309). This course helps me a lot to understand something like website and grew up my ability & knowledge to do this type of project as front-end web developer in profullo. In this course we learn about basic Html, CSS, JavaScript, Using Bootstrap, PHP and so on. Which is very helpful for me when I started my journey as a front-end web developer in profullo.

When I done my Web application course my faculty give me a final project on everything, he teaches us. This gives me an extra advantage and gave me an extra confidence to work in company as an internship student.

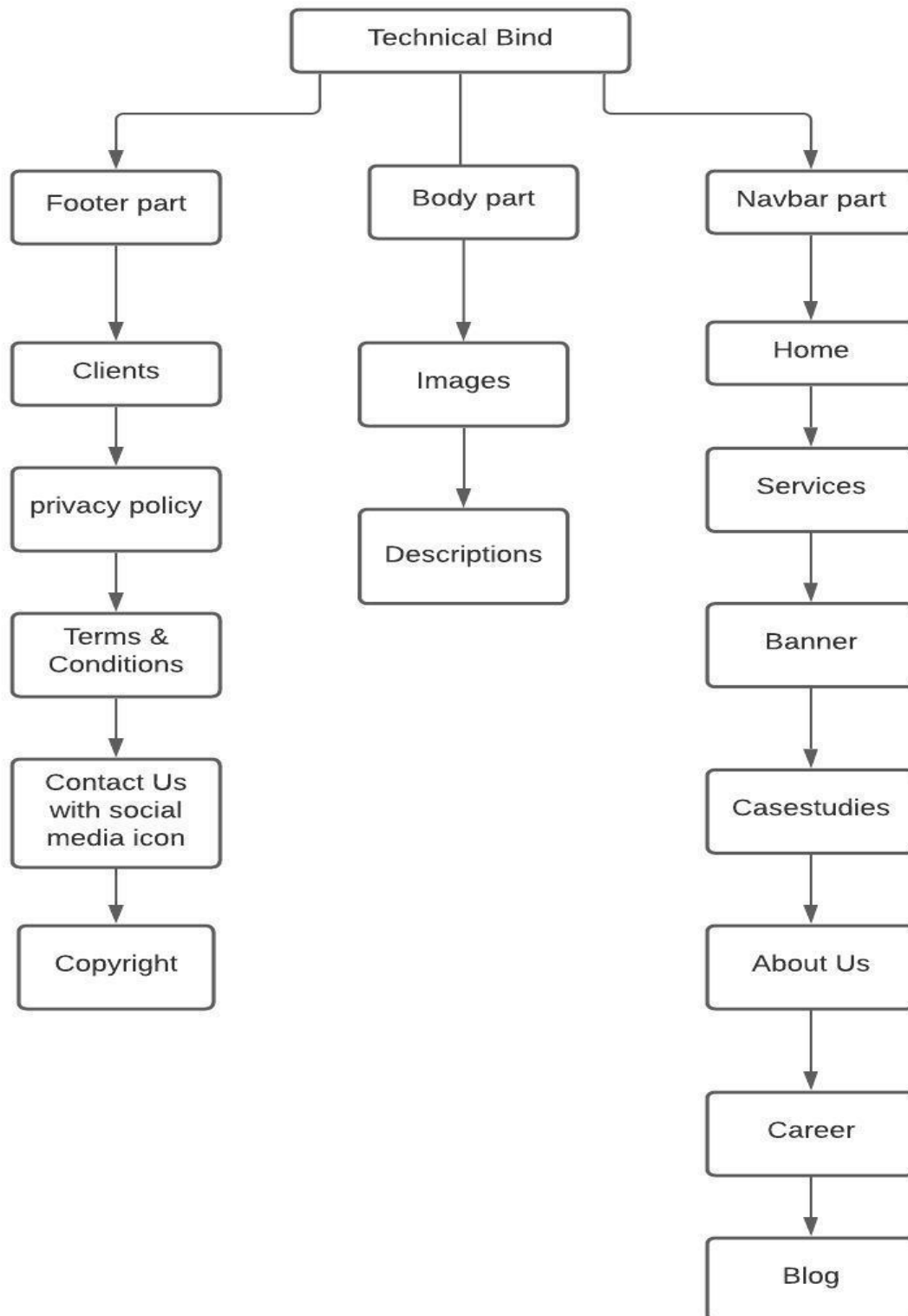
2.2. Related Works

Before working on our project, actually we are surveying with some well-known websites and gather knowledge about our project. It becomes easy for us to make with idea of another well-known company sites. How they look and how it is works. As a result, we can develop our site with basic needs and conditions.

We searched top five software company in Bangladesh, then we found them and gather basic knowledge from them the link is in the reference. This gives a premium idea when any person wants to make a professional website.

3. Project Management

3.1. WBS (Work Break Down Structure)



3.2. Process Wise Time distribution

When anyone join a company as a developer, He or She don't have a vast time to complete their projects. Clients give you less time to do your work not more than 2 weeks as usual. So, you have to complete it before deadline otherwise clients give some poor rating to the company which is looking danger in future projects.

So, process wise time distribution is too important. where Group communication and group work is so important if anyone late to submit their own work, the project must be delayed. As a front-end web developer, I have done my work between 15 days as much otherwise project became delay.

At first, we distribute our individual work and also make a group meeting on google meet to describe about project that what to do? And how to do? After successful group meeting we are working our part that's minimize our time and we can done any schedule project easily.

3.3. Gantt Chart

Now talking about Gantt Chart. My Gantt chat is given below. There is my task combination I always want to do submit my work on time but sometimes project need times too.

<u>Task</u>	<u>Start Date</u>	<u>Days to complete</u>
Task 1	15-10-20	12
Task 2	04-11-20	14
Task 3	22-11-20	15
Task 4	08-12-20	12
Task 5	21-12-20	15

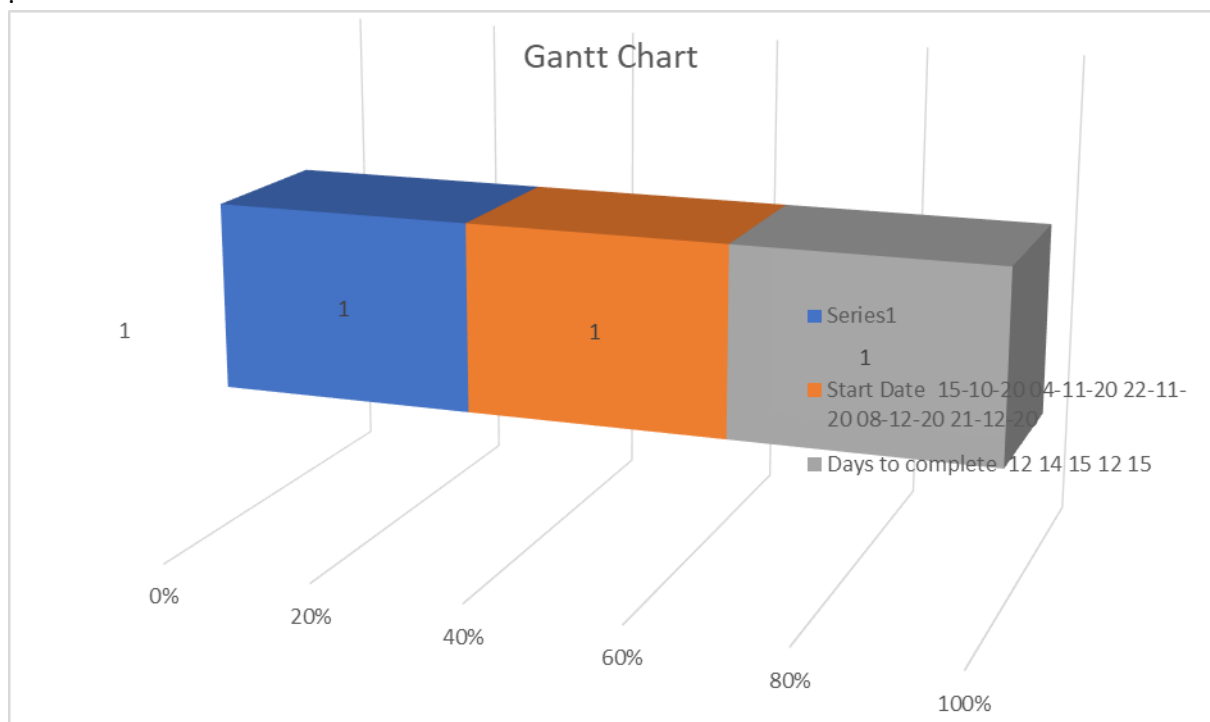


Figure : Gantt Chart

4. Methodology

The Internet has had a significant impact on the process of web developing information systems. However, there has been little research. Nowadays through internet anybody can access any site and order goods. So, this user-friendly project I am using Html, CSS, Bootstrap to build. It is responsible from any devices like smartphones, laptops, computers, tablets and so on. After using Bootstrap, it can visible for any ratio of screen.

HTML: It gives the basic structure of the project. It is actually a browser friendly code. Everything is visible in your browser and can add logo, banner, buttons using this HTML code.

CSS: It gives the style of the project. It gives the shape and size of the project. Have to add stylesheet on HTML file rather than its not working or can't give you much beauty which your project and clients want from you.

Bootstrap: Basically, Bootstrap is not a code it removes your ratio problem that's the main reason it can access from any device and any ratio of screen. Any screen ratio it's not a problem for you when you use bootstrap.

5. Body of the project

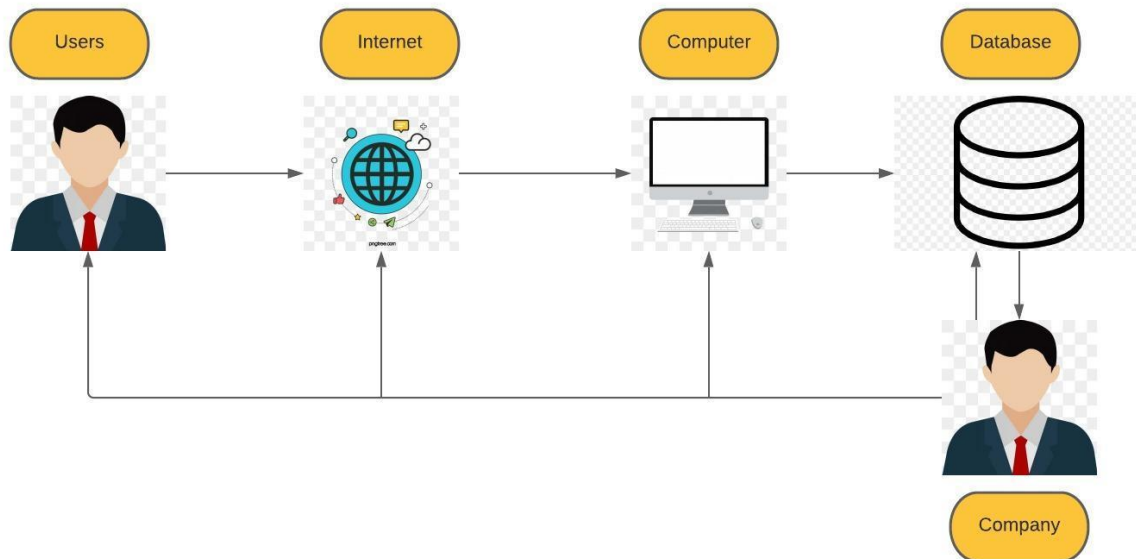
In our project we have simple things on it. First of all, we develop the user interface and see how it looks. Create responsible home button and give the main profullo home link. Add services of our company which gives user a vast knowledge about our company. Then normal things every website have like about us, Career, Blog, Case studies.

Gives the basic contact us, location of our company, social media icon (so, consumer can use our Facebook page and communicate with us 24 hrs.), email address. Then the basic Privacy policy and terms and condition.

5.1. Six elements analysis

	System Roles					
Process	Human	Non-Computing Hardware	Computing Hardware	Software	Database	Communication & Network
Access Resources	<u>Customers</u> -View the resources	N/A	<ul style="list-style-type: none"> - Necessary devices (e.g., pc, laptop, phone) - Internet cable 	<ul style="list-style-type: none"> -Browser -Website 	-Stores all the resources DBMS((SQL))	<ul style="list-style-type: none"> - Internet/broadband - Mobile data
Communication between customers	<u>Customers</u> -Through social media	-N/A	<ul style="list-style-type: none"> - Necessary devices (e.g., pc, laptop, phone) - Internet cable 	<ul style="list-style-type: none"> -Browser -Website 	- Stores all resources DBMS((SQL))	<ul style="list-style-type: none"> - Internet/broadband - Mobile data

5.2. Rich Picture



6. Project as Engineer Problem Analysis

As an engineer have to knowledge about everything rather than It's a painful journey when any guy working as a developer in a company.

- Keep calm and listen carefully what to do
- Confident of work
- Time management
- Team Co-operation
- Team update

Starting a project with knowledge about what clients need and what kind of work to do. Confident of work is must if anyone has less confident it becomes delay the whole project and it create a problem with team members also. Need to know about time management because there is no vast amount of time and also need team co operation with updating your work day by day.

7. Future work and conclusion

7.1. Future work

Nowadays internet is a part of our life, we use internet daily life. Website and android apps create too much effects on today's people. They can buy, earn, gather knowledge etc. of this. So, future of my project is very demandable long time ahead.

7.2. Conclusion

I think this internship program is a learning period of myself. It gives me confidence how to handle projects, how to work with team mates and distribution of work. It is a pleasure for me working with profullo. I would like to thank CEO of the company who gives me an opportunity to work with them as a team member.

8. Appendix

Here I am sharing my source code when I am doing internship in profullo. This code contains their sub brand website Technical Bind.

My HTML Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

<!--Add icon Link-->

<link rel="icon" href="images/technicalbind_logo_final_sm.jpg"
type="image" sizes="16x16">

<title>TechnicalBind</title>

<!--Required meta tags-->

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-
scale=1">

<!--Bootstrap CSS-->

<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/boo
tstrap.min.css">

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.mi
n.js"></script>

<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootst
rap.min.js"></script>
```

```

<script
src="https://use.fontawesome.com/d1341f9b7a.js"></script>

<!--Conect With CSS stylesheet -->

<link rel="stylesheet" href="style.css">

</head>

<body>
<div class="container">
<nav class="navbar navbar-inverse navbar-fixed-top">
<div class="container-fluid">
<div class="navbar-header">

</div>
<div style="color=#ffffff";>
<ul class="nav navbar-nav navbar-right">
<li><a href="https://www.profullo.com/">HOME</a></li>
<li class="dropdown"><a class="dropdown-toggle"
data-toggle="dropdown" href="#">SERVICES <span
class="caret"></span></a>
<ul class="dropdown-menu" style="background:#000080">
<li><a href="#">Android Application</a></li>
<li><a href="#">Website Development</a></li>

```

```

<li><a href="#">Graphics Designing</a></li>
</ul></li>

<li><a href="#casestudies">CASESTUDIES</a></li>

<li class="dropdown"><a class="dropdown-toggle"
data-toggle="dropdown" href="#">CAREER<span
class="caret"></span></a>

<ul class="dropdown-menu" style="background:#000080";>
<li><a href="#">Option1</a></li>
<li><a href="#">Option2</a></li>
<li><a href="#">Option3</a></li>
</ul></li>

<li class="dropdown"><a class="dropdown-toggle"
data-toggle="dropdown" href="#">BLOG <span
class="caret"></span></a>

<ul class="dropdown-menu" style="background:#000080">
<li><a href="#">Option1</a></li>
<li><a href="#">Option2</a></li>
<li><a href="#">Option3</a></li>
</ul></li>

<li><a href="https://www.profullo.com/about/">ABOUT
US</a></li>

</ul>

</div>

</div>

```

</br><br

```
<div class="item">

</div>
```

```
<div class="item">

</div>
```

```
<div class="item">

</div>
```

```
<div class="item">

</div>
```

```
</div>
```

```
<!-- Left and right controls -->
```

```
<a class="left carousel-control" href="#myCarousel" data-
slide="prev">
```

```
<span class="glyphicon glyphicon-chevron-left"></span>
```

```
<span class="sr-only">Previous</span>
```

```
</a>
```

```
<a class="right carousel-control" href="#myCarousel" data-  
slide="next">
```

```
<span class="glyphicon glyphicon-chevron-right"></span>
```

```
<span class="sr-only">Next</span>
```

```
</a>
```

```
</div>
```

```
</div>
```

```
<br></br>
```

```
<div class="container">
```

```
<section class="about-area" id="about">
```

```
<div class="AboutUs">
```

```
<br></br>
```

```
<p>
```

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularized in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

```
<br></br>
```

It is a long-established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many

desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humor and the like).

</br>

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular during the Renaissance. The first line of Lorem Ipsum, "Lorem ipsum dolor sit amet..", comes from a line in section 1.10.32.

</br>

There are many variations of passages of Lorem Ipsum available, but the majority have suffered alteration in some form, by injected humour, or randomised words which don't look even slightly believable. If you are going to use a passage of Lorem Ipsum, you need to be sure there isn't anything embarrassing hidden in the middle of text. All the Lorem Ipsum generators on the Internet tend to repeat predefined chunks as necessary, making this the first true generator on the Internet. It uses a dictionary of over 200 Latin words, combined with a handful of model sentence structures, to generate Lorem Ipsum which looks reasonable. The generated Lorem Ipsum is therefore always free from repetition, injected humour, or non-characteristic words etc.

</br>

"At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga. Et harum quidem rerum facilis est et expedita distinctio. Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id quod maxime placeat facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates repudiandae sint et molestiae non recusandae. Itaque earum rerum hic tenetur a sapiente delectus, ut aut reiciendis voluptatibus maiores alias consequatur aut perferendis doloribus asperiores repellat."

</p>

</div>

</div>

</br>

<div class="container" style="background-color: #F5F5F5;">

<div class="header" style="text-align: center; ">

<section class="clients" id="clients">

<h3>Our Clients</h3>

</br>

<div class= col-md-2>

</div>

<div class= col-md-2>

</div>

<div class= col-md-2>

</div>

<div class= col-md-2>

</div>

<div class= col-md-2>

</div>

<div class= col-md-2>

</div>

</br>

</section>

</div>

</div>

```
<br></br>
<div class="container">
<div class="row" style="background-color:#F5F5F5;">
<div class="col-md-6">
<ul>
<h3>Legal and Privacy</h3>
<h4>
<br><a href="https://www.profullo.com/privacy-policy/">Privacy
Policy</a></br>
<br><a href="https://www.profullo.com/terms-of-use/">Terms
and Conditions</a></br>
</h4>
</ul>
</div>
```

```
<div class="col-md-6">
<section class="contact-area" id="contact">
<div class="contact">
<ul>
<h3>Contact</h3>
<h4>
<br><i class="fa fa-phone" aria-hidden="true">
+8801926814457 </i></br>
```


 <i
class="fa fa-envelope" aria-hidden="true">
profullodotcom@gmail.com </i> </br>

<i class="fa fa-map-marker" aria-hidden="true"> 53/A,
South Sastapur, Upazila Road, Fatullah, Narayanganj 1420
</i></br>

<i
class="fa fa-facebook-square" aria-hidden="true"></i>

<i class="fa
fa-twitter-square" aria-hidden="true"></i>

<i class="fa
fa-instagram" aria-hidden="true"></i>

<a href="https://www.linkedin.com/company/profullo-online-
shopping"><i class="fa fa-linkedin" aria-hidden="true"></i>

<i class="fa fa-github"
aria-hidden="true"></i></h4>

</div>

</section>

</div>

</div>

</div>

<!--footer section-->

<div class="footer">

<p>© All Rights Reserved By TechnicalBind 2021</p>

```
</div>
</body>
</html>
```

My CSS Code:

```
html
{
    scroll-behavior: smooth;
}
body
{
    background-color: white;
}
```

```
div.AboutUs
{
    font-style: Arial;
    text-align: justify;
    margin-left: 25px;
    margin-top: 25px;
    margin-bottom: 25px;
    margin-right: 25px;
}
```

```
div.footer
{
    position: bottom;
    padding: 20px;
    width: 100%;
    background-color:#000080;
    color: #ffffff;
    text-align: center;
}
```

```
img
{
    width: 100%;
}
```

```
div.contact
{
    text-align: left;
    font-size: 175%;
}
```

```
.navbar{
    background-color: #000080;
    opacity: 0.9;
}

.nav.navbar-nav li a {
    color: #ffffff;
    text-align: center;
}

.nav.navbar-nav li a:hover {
    background-color: #880000;
}

.nav.navbar-nav li a:visited {

    background-color: #880000;
}

.nav.navbar-nav li a:active {
    background-color: #880000;
}
```

9. List of figures in my company and projects

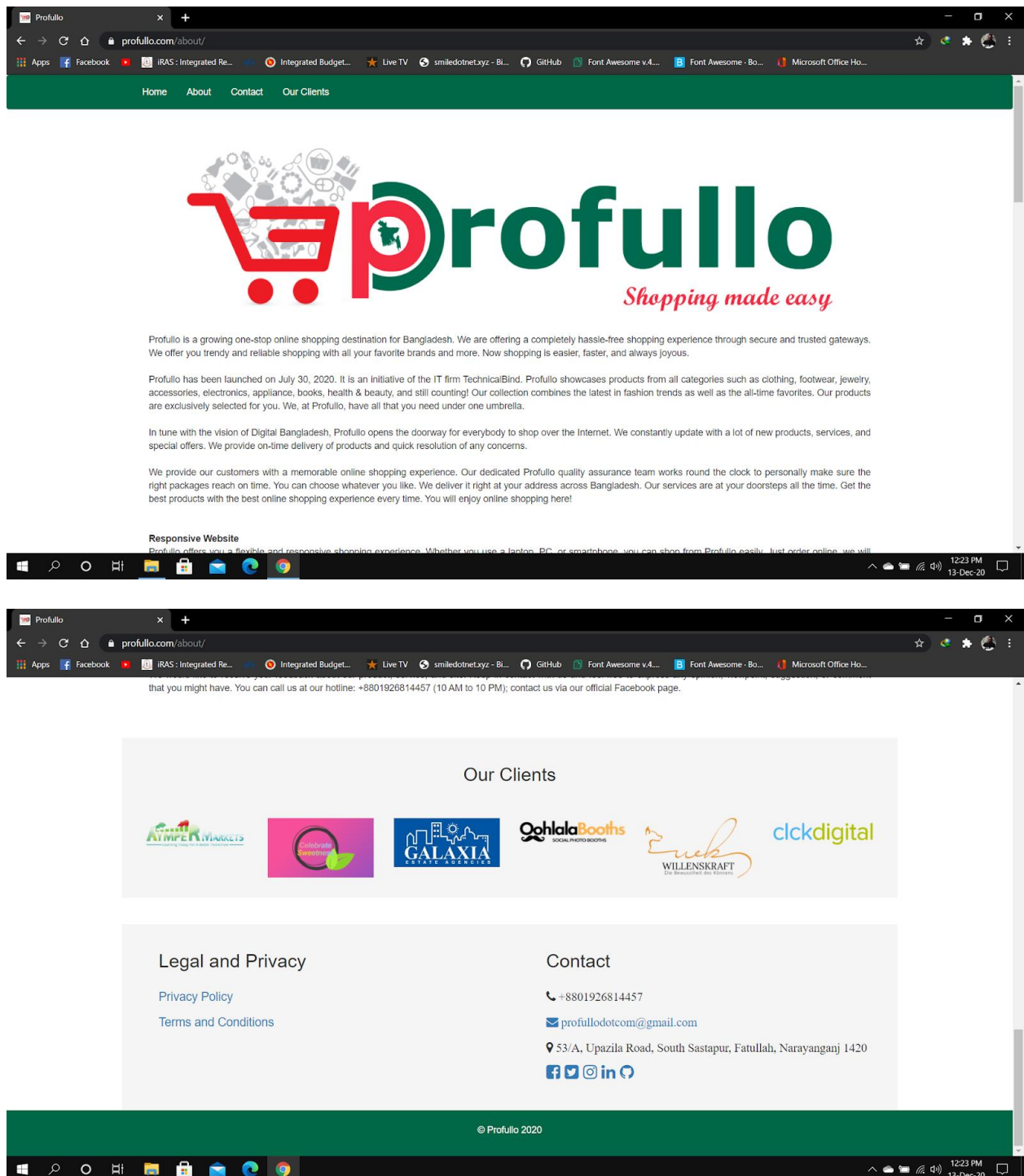
Company Logo Banner

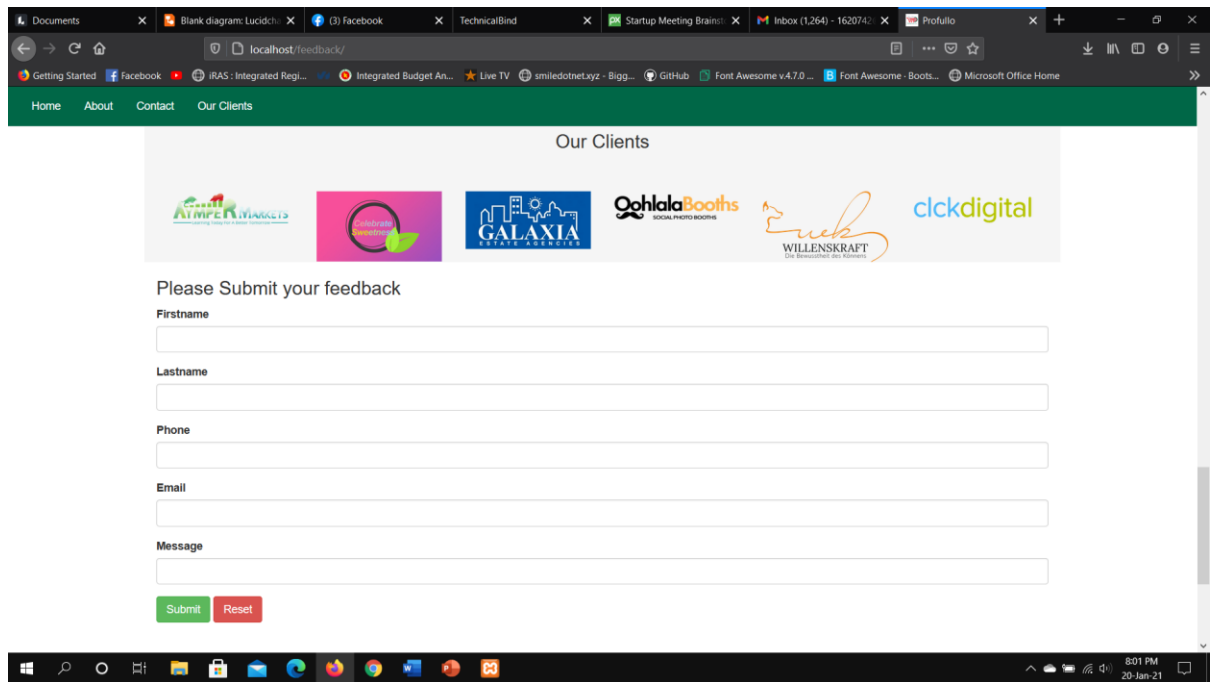


Contact page of profullo

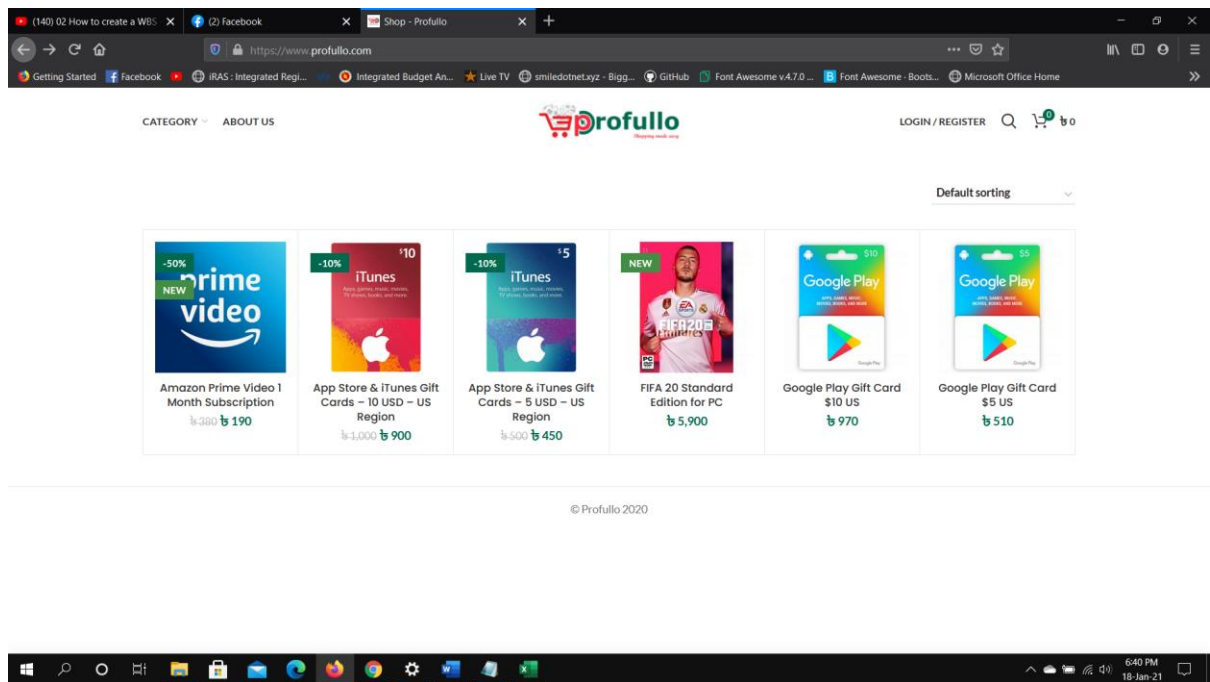


About page of profullo with clients list

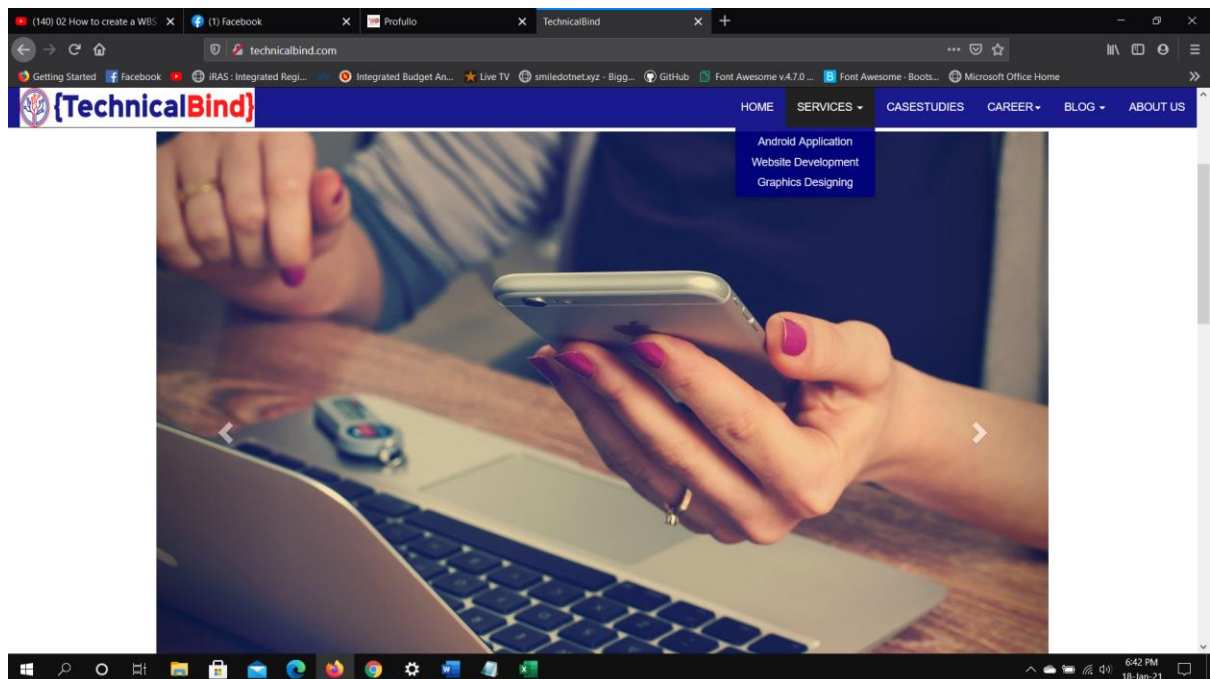
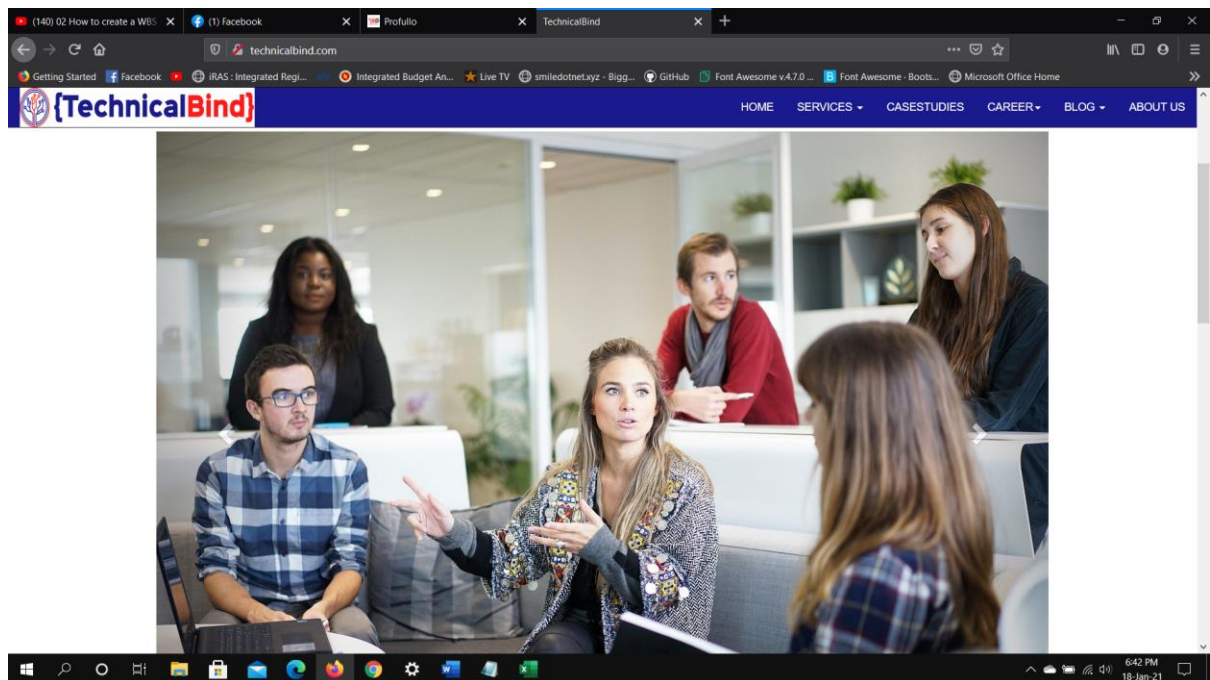


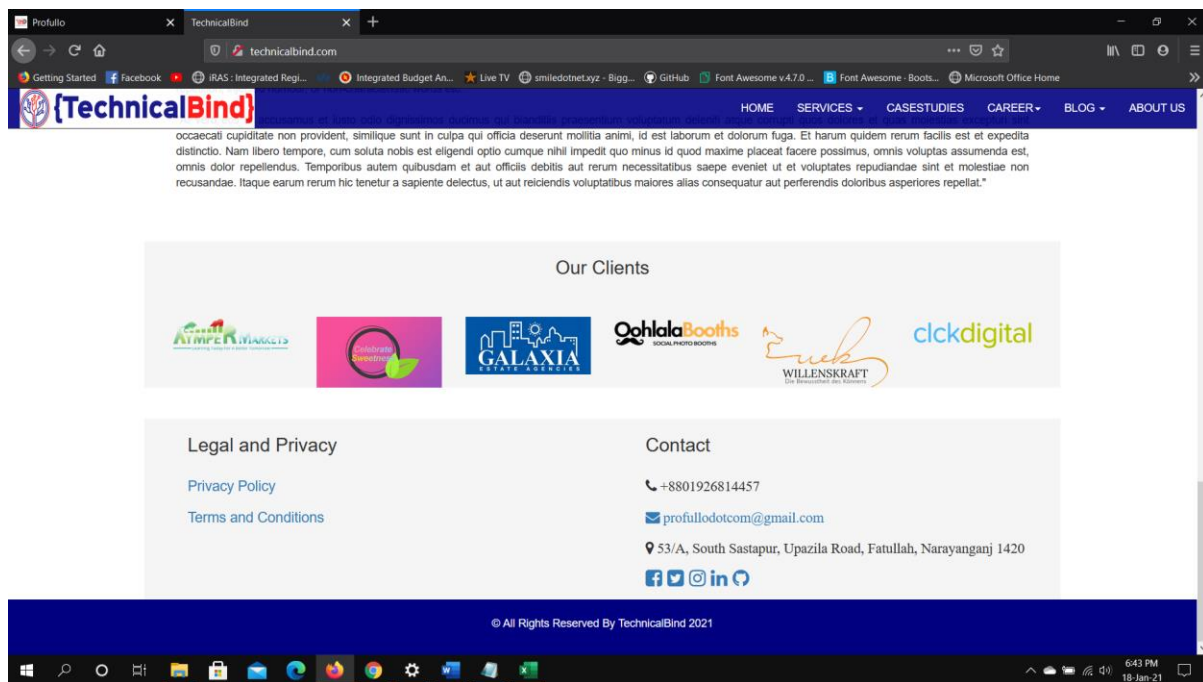
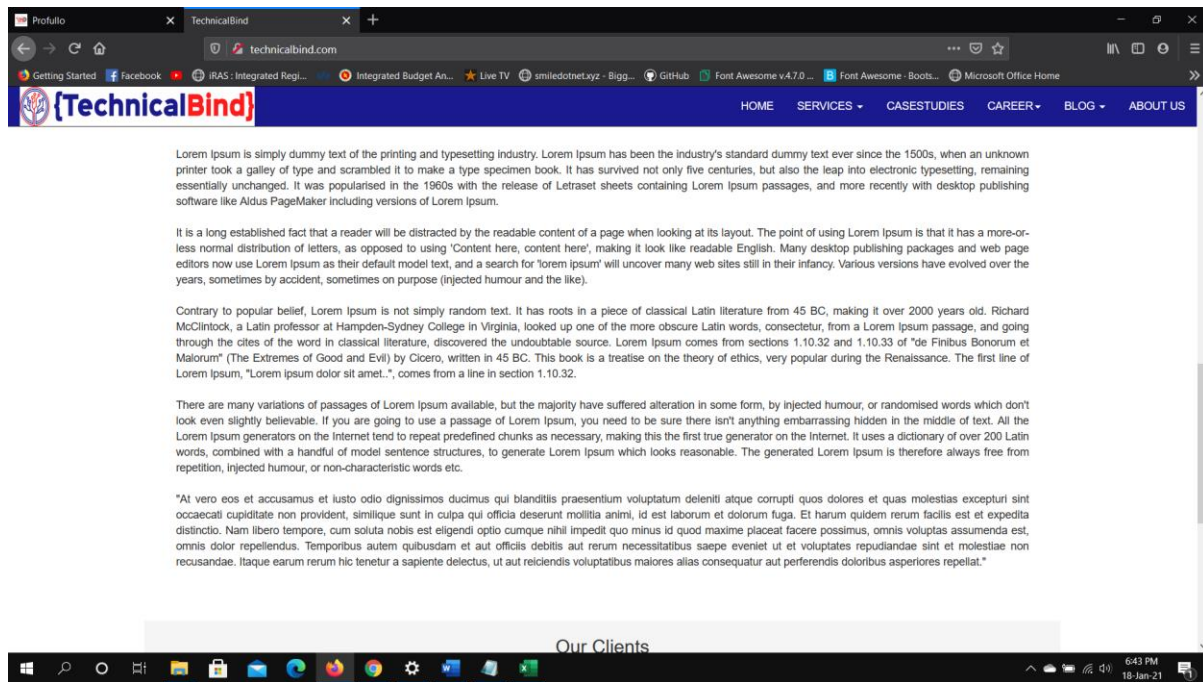


Main page of Profullo



Technical Bind the website





10. References

My Company GitHub Link: <https://github.com/Profullo/>

<https://www.w3schools.com>

<https://cdnjs.com>

<https://cdnjs.com/libraries/font-awesome>

<https://getbootstrap.com>

<https://getbootstrap.com/docs/4.5/getting-started/introduction/#js>

<https://www.bootstrapcdn.com/fontawesome>

<https://stackoverflow.com>

<https://www.geeksforgeeks.org>

<https://www.youtube.com>

<https://stackoverflow.com/questions/34428883/how-to-partition-a-div-into-3-parts-separated-by-borders-in-html>

<https://www.pexels.com/>

<https://pixabay.com/>

<https://www.youtube.com/watch?v=ceeRn8MQzPw>

<https://www.youtube.com/watch?v=C4N3sMg25fQ>

<https://brainstation-23.com/>

https://www.youtube.com/watch?v=Zn64_IVLO88

<https://www.youtube.com/watch?v=qPxT7dKJGBs&list=LL&index=9>

<http://datasoft-bd.com/>

<https://kaz.com.bd/>

<http://www.dream71.com/>

<http://www.tigerit.com/>