A PROJECT REPORT

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WEB DEVELOPMENT

*FOR*

E X P O S Y S D A T A L A B S

*BY*

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**ACKNOWLEDGEMENT**

First, I would like to thank the EXPOSYS DATA LABS for

providing me the opportunity to do an internship in this critical

pandemic situation. Although quite short, paid interns, and

topic of our own choice, I was able to make maximum use of

the given opportunity. It helped me to explore the world of

web development and to explore my skills as well. And in this

process, I have developed keen interest in web development.

**TASK**

Task assigned to the students who applied for web

development interns is **TO CREATE A MULTI-PAGE**

**RESPONSIVE WEBSITE.**

**Introduction**

We are aware of various social media applications/sites such

as Facebook, Instagram, and E-commerce websites like, Amazon,

Myntra, Facebook. Web development is field of Information

Technology or Computer Science that deals with creation of such

dynamic web application.

The key to having successful and fully functional web

application is in their communication with the user. It is of no

surprise that human/machine interaction is a popular topic of

research and development.

Unlike the other programming languages such as, C, C++,

Python, the basic syntax of HTML/CSS is far easier than these

programming languages and hence lot of people, now-a-days, try

to learn these web developmental languages.

For the completion of the tasks the following web languages

and scripts have been used: HTML for the construction of the

layout, CSS for the design of the layout, JavaScript for dynamic

functioning.

This report is a description of my 5-week (35 days)internship

carried out from home, containing details of the activities

undertaken by me during the course, and finally, a conclusion is

drawn from the experience.

**Existing Method**

Developing a responsive web page is a job which needs lots of

patience as all the elements from an HTML document needs to fit

all the screens on which it is viewed. Every element defined in the

document needs to be viewed and then, as per the requirements

certain adjustments/changes should be made.

While, creating of multipage website is easier, as its just

merging all the other webpages into a single document using a

*href* attribute.

The most interesting part of creating a multipage responsive

website is working on its CSS file. CSS works by associating rules

with HTML elements. These rules govern how the content of

specified elements should be displayed and hence, it consumes

more time than creating a HTML document.

Here is the overall content of HTML elements used while

creating a website.

<!DOCTYPE html>

<html lang="en" xmlns="http://www.w3.org/1999/xhtml">

<head>**…**</head>

<body>

<nav>**…**</nav>

<section>**…**</section>

<script>**…**</script>

<div class="abcd">**…**</div>

<div>**…**</div>

<div>**…**</div>

<div class="top">**…**</div>

<div id="cx">**…**</div>

</body>

</html>10

I have tried to create a covid 19 website using various

HTML tags such as *<img>, <p>, <h2>, <nav>, <div>, <section>,*

*<label>, <ul>, <a>, <br>, <hr>* apart from *<html>* and *<body>*

tag which are mandatory, and various text editing tags such as,

*<b>, <sup>, <small>* were also used.

The .css file is separately created and is linked to the main

document using the link tag. Also, the scripting language is used at

one section to make the website more realistic and interactive.

**Observation**

Before launching any new website, it is important to test it in

more than one browser, because there can be slight differences in

how browsers display the pages. Some older browsers do not

support every property. At times, when a website is tested in more

than one browser, it might be seen that some elements of a website

do not look as it was expected to be.

And since the website created by me was only tried and tested

on Google Chrome, it may not run in the same fashion as it is being

executed by the Chrome browser.

**Scope for futher**

**Studies**

When the world is moving from cashless transactions to

online transactions, from offline classes to online classes, the

internet associated courses have gained more importance than

anything else.

With the digitalization and the availability of electronic

devices in the hands of everyone, the one who presents his

business on social media and websites, gets more attention and

thus, money.

With the tremendous progress in the launch of websites,

there are huge opportunities available for people who want to

work in this field.

Many organisations hire web designers for their online work

and website development. With rapid advent of online industry,

the demand of web development professionals is increasing, and

this has created a huge job opportunity for the aspirants in the

upcoming days.13

**Implementation**

**STEPS UNDERTAKEN!!**

✓ Deciding a subject for creating a website.

✓ Planning the basic/rough design or layout.

✓ Gathering required information and data.

✓ Creating a .html file.

✓ Generating a corresponding .css file.

✓ Creating multiple websites and merging them into the

main HTML document.

✓ Making necessary correction as per the display screen.

**Conclusion**

In a nutshell, this internship has been an excellent experience. I

can conclude that I have learnt lots of things from my work. The

technical aspects of the work I have done are not flawless and could

be improved provided enough time. As someone with no prior

experience in HTML, CSS, JavaScript whatsoever I believe my time

spent in learning and discovering new features was well worth it

and contributed to finding an acceptable solution to an important

aspect of web design and development.

The two important things that I have learnt of are: time

management skills and self-motivation. Working with web

development languages has, increased my interest in this field.

**REFERENCES**

* HTML & CSS: The Complete Reference, Fifth Edition, by Thomas A. Powell
* Few videos from YouTube.
* W3 school from google