



Dr. D. Y Patil Institute of Technology

Sant Tukaram Nagar, Pimpri, Pune-411018 Affiliated to Savitribai Phule Pune University, Pune

Internship Report On

“Edumarz by RTMN & Oasis Infobyte”

Submitted to the Savitribai Phule Pune university, Pune in partial fulfillment of
the requirements for the award of the degree B.E. Information Technology

Submitted by

Madhura

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Exam Seat No:

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Under the Guidance of

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Dr. D. Y. Patil Unitech Society's
Dr. D. Y. Patil Institute Technology, Pimpri, Pune-18

CERTIFICATE

This is to certify that the dissertation report entitled
Edumarz by RTMN & Oasis Infobyte
Submitted by

Mr. Aryakumar Rajnikant Patel
TIT29

is a bonafide work carried out under the supervision of Mr. Prof S.A.Nalawade and it is submitted towards the partial fulfillment of the requirement of Savitribai Phule Pune University, Pune for the award of the degree of Bachelor of Engineering (Information Technology) in the academic year 2021-2022.

Prof. Sonali Patil
(Guide)

Prof. S. A.
Nalawade
(Head of Dept.)

Dr. Pramod D.
Patil
(Principal)

Seal/Stamp of the College

Examiner 1 :

Date :

Examiner 2

Internship Certificate

CERTIFICATE OF COMPLETION

4/27/2022

This certificate is proudly presented to

Madhura Rajendra Shende

for successful completion of **1 month internship** in
Web Development and Designing
with wonderful remarks at **OASIS INFOBYTE**

✉ contact@oasisinfobyte.in

OIB/APR175

www.oasisinfobyte.com



OASIS
INFOBYTE



CERTIFICATE OF COMPLETION

This Certificate is presented to

Madhura Rajendra Shende

For completing the Internship as a Web Developer for 4 months


COO and CEO


Director of RTMN

www.edumarz.com

Acknowledgment

Internship is like a bridge between theoretical and practical working. First of all, we would like to thank the supreme power the Almighty God who is obviously the one who has always guided us to work on the right path of life.

We are indebted to our Internship Supervisor *Prof. Sonali Patil*, Department of Information Technology of Dr. D. Y. Patil Institute Of Technology, Pimpri, Pune-18. We feel it's a pleasure to be indebted to our guide for his valuable support, advice and encouragement and we thank him for his superb and constant guidance towards this project.

We sincerely thank Prof. S.Nalawade, Head of the Department of Information Technology and Principal prof.Pramod Patil, for all the facilities provided to us in the pursuit of this project.

We acknowledge our deep sense of gratitude to our loving parents for being a constant source of inspiration and motivation.

Abstract

Learning web development and various technologies used in it were the main objective of this course. To develop a web-based application there are several programming languages that are in use. Some of them are only used for the frontend and backend design of the software. For example, HTML5, CSS, Bootstrap etc. There are also some other programming languages that are used to develop functions of software or applications. For example – PHP, Java etc. Also there are frameworks that are used vastly nowadays which are basically structured programming by using model, view and controller commonly known as MVC. The web-based application is very useful for us as it can be accessed from anywhere in the world. This is the reason I chose to do an internship at Edumarz By RTMN and Oasis Infobyte course at Udemy which added huge experience in my upcoming career. This report will take us through details of web development knowledge and experience gathered during my course period.

About The Organizations

Edumarz is an education firm by RTMN that strives to bring light to every dark corner of the world by providing free educational solutions. As a result, every class in society has an equal opportunity to study and improve their lives. As we all know, education is a vital human right, and we firmly think that everyone should have an equal chance in the field of education. Edumarz offers study materials, notes, scholarship information and their counseling's, career counseling, student accommodation, college information, abroad education, education loan information, personality development, current affairs, general knowledge, quiz, information about a job, books pdf, student's voice, psychometric test, TOFEL, IELTS, and other services. Edumarz came up with the idea of combining education into a single platform. Where students may receive free access to the best study materials for each department or subject. As we strive to build a great educational organization to provide high-quality, low-cost education. Motto: Our goal is to consolidate the world's education on a single platform and make it globally accessible and beneficial to everyone for free.

Website

[h](http://www.edumarz.com)

[ttp://www.edumarz.com](http://www.edumarz.com)

Industry

E-Learning Providers

Company size

201-500 employees

85 on LinkedIn

Headquarters

Bangalore, Karnataka

Founded

2021

Specialtie

s

education

OASIS INFOBYTE is a software company that provides I.T services to its customers. OASIS INFOBYTE offers a variety of website design and development services. We specialize in developing interactive, scalable, brand-oriented, and business-ready custom web solutions. Our aim is to build profitable digital products engineered to spark creativity and boost ROI. We Develop Personalized Software At Our Company, We Turn The Digital Dreams Of Our Clients Into A Reality. We Work Closely With Our Users Throughout Development To Ensure That We Are Still Aligned With The End-Goal. We Are Committed To Producing Exceptional Software For Each Of Our Clients.

We At OASIS INFOBYTE Believe In Making Our Youth Especially The Students Self-Aware And Exploring The Untouched World Of Technology And Tremendous Growth-Making Fields. We Believe In Bridging The Gap Between Students And Their Knowledge In The Industrial Field & Bringing Them A Step Closer To Their Dream.

We Are MSME Registered Start-Up, Always Open To Connect New People With Us Over This Journey Of Endless Learning And Great Joy!

Website:- <http://oasisinfobyte.com/>

Industry:-

Company size:-



11-50 employees

Headquarters:-

Satya Niketan, Delhi

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Introduction

As a full time student at Dr. D.Y. Patil Institute of Technology, Pimpri. I was provided an opportunity to undertake a course at UdeMy. The degree toward which I am currently studying is a Bachelor of Engineering in Information Technology. The course of web development in the beginning was quite challenging for me for a few reasons, mainly the programming languages and tools I was using were new to me due to which I needed time to integrate with the environment but also academically. This was very beneficial for me as at the end of the internship I could compare what I had learned and what I had known and find a connection between the two.

This report is a description of my course carried out as a learner of web-development. In the following report I will explain in details the new tools and technology I have used. And then finally a conclusion is drawn from my experience.



Motivation

The motivation behind this course is to learn how to design responsive and attractive web pages along with various challenges. Become a modern and confident HTML and CSS developer which is a frontend developer. For customers and users' attraction we need to make responsive, effective and attractive websites. Hence, we need to learn How to plan, sketch, design, build, test, and optimize a professional website



Objectives

- Understand the principles of creating beautiful web pages.
- Completing the project in a given time.
- Ability to guide and design responsive websites using frontend Web development technology.
- Learned about How to plan, sketch, design, build, test, and optimize a professional website.

Problem Statement

Edumarz By RTMN :-

-To design the front-end part of the Edumarz official website on wordpress and design the layouts for the classgenix as per assigned work.

Oasis Infobyte :-

1. Create a Calculator with basic mathematical functionalities using HTML, CSS, JavaScript. Calculators require an interactive interface to perform basic functions such as addition, subtraction, division, multiplication.
2. With a basic understanding of HTML and CSS, You can easily create a page for someone you admire. Write about what you adore in the person, add images, give an appealing layout, use paragraphs appropriately.
3. Develop a basic to-do app that enables a user to add daily tasks. The to-do web app must allow user to add new items to list, and items added to a list must be visible

Programming Languages

Languages:

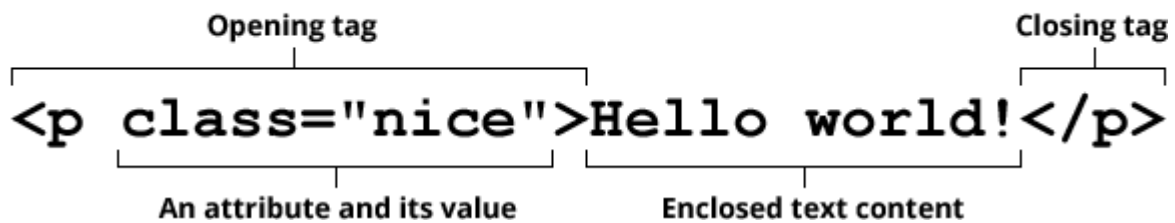


HTML5

HTML stands for Hyper Text Mark-up Language. It is used to design web pages using mark-up language. HTML is the combination of Hypertext and Mark-up language. Hypertext defines the link between the web pages. Mark-up language is used to define the text document within tag which defines the structure of web pages. HTML5 is the fifth and current version of HTML. It has improved the mark-up available for documents and has introduced application programming interfaces (API) and Document Object Model (DOM).

An HTML document is a plaintext document structured with elements. Elements are surrounded by matching opening and closing tags. Each tag begins and ends with angle brackets (<>). There are a few empty or void tags that cannot enclose any text, for instance . You can extend HTML tags with attributes, which provide additional information affecting how the browser interprets the element:

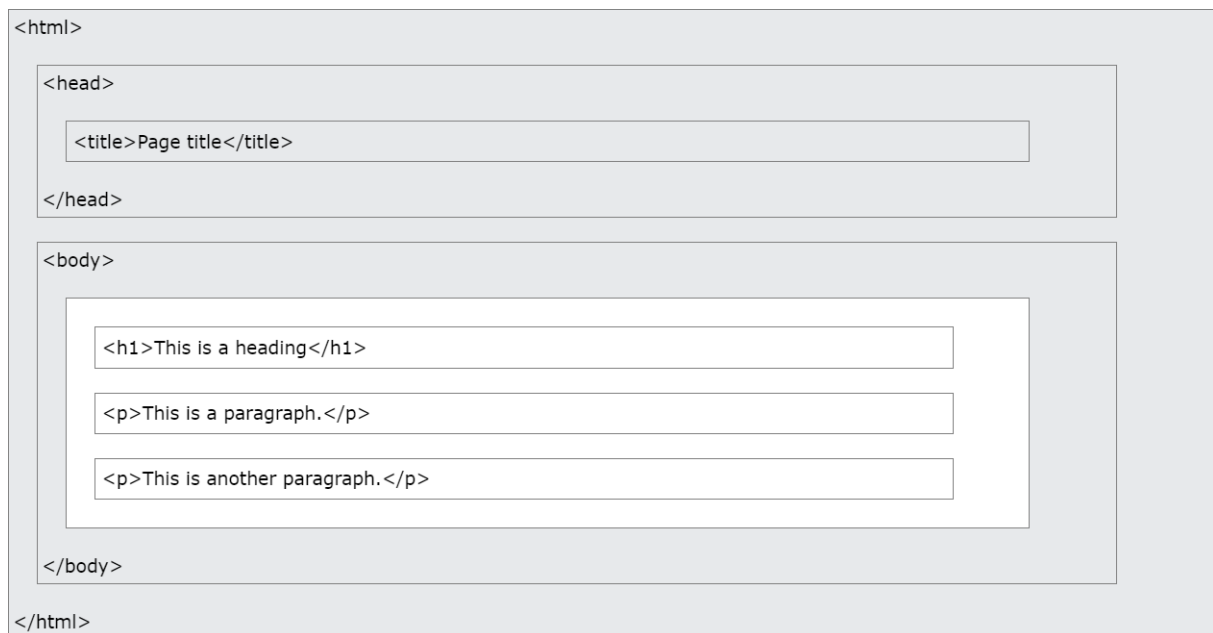
Anatomy of an HTML element



An HTML file is normally saved with an .htm or .html extension, served by a web server, and can be rendered by any Web browser.

HTML Page Structure

Below is a visualization of an HTML page structure:



CSS



CSS3:

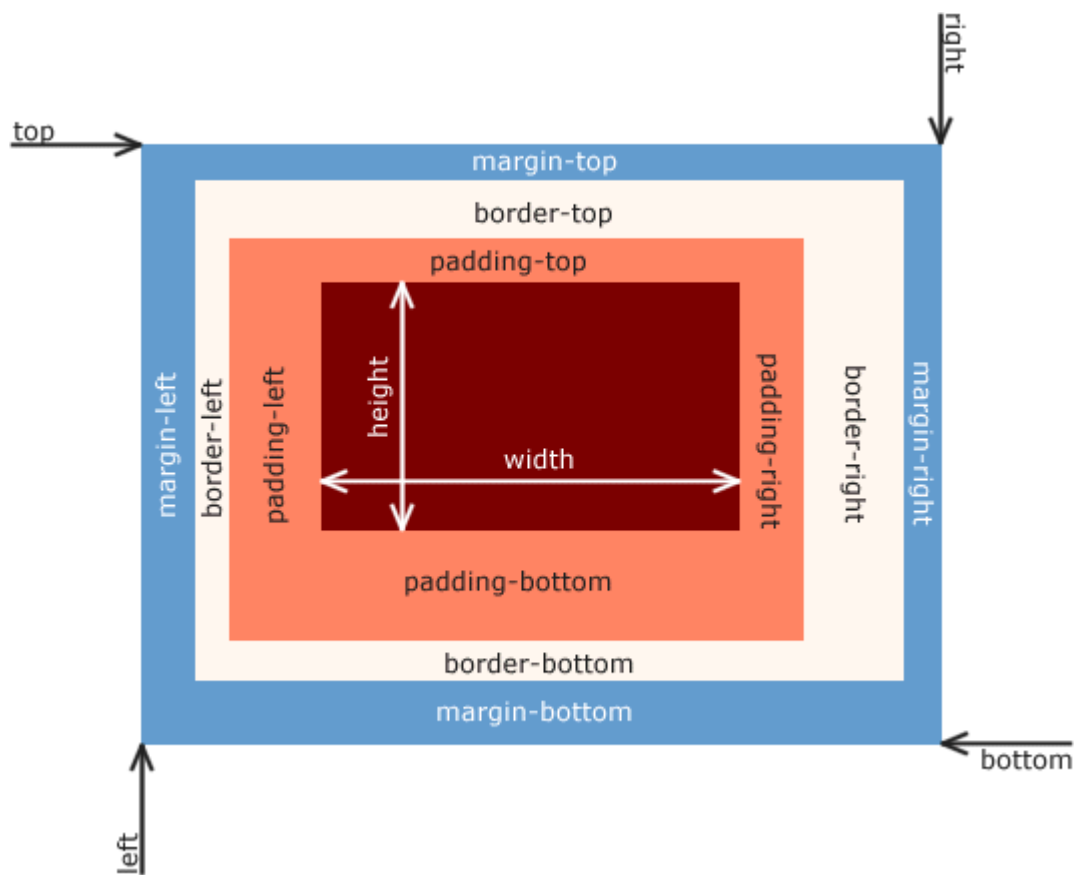
Cascading Style Sheets, fondly referred to as CSS, is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages. More importantly, CSS enables you to do this independent of the HTML that makes up each web page.

CSS describes how HTML elements should be displayed.

CSS is among the core languages of the open web and is standardized across Web browsers according to W3C specifications. Previously, development of various parts of CSS specification was done synchronously, which allowed versioning of the latest recommendations. You might have heard about CSS1, CSS2.1, CSS3. However, CSS4 has never become an official version.

From CSS3, the scope of the specification increased significantly and the progress on different CSS modules started to differ so much, that it became more effective to develop and release recommendations separately per module. Instead of versioning the CSS specification, W3C now periodically takes a snapshot of the latest stable state of the CSS specification.

The CSS box model is essentially a box that wraps around every HTML element. It consists of: margins, borders, padding, and the actual content. The image below illustrates the box model:



JavaScript

JavaScript is a lightweight, cross-platform and interpreted scripting language. It is well-known for the development of web pages many non-browser environments also use it. JavaScript can be used for Client-side developments as well as Server-side developments. JavaScript is a prototype-based, multi-paradigm, single-threaded, dynamic language, supporting object-oriented, imperative, and declarative (e.g., functional programming) styles. JavaScript engines were originally used only in web browsers, but are now core components of some servers and a variety of applications. The most popular runtime system for this usage is Node.js.

JavaScript is the dominant client-side scripting language of the Web, with 97% of websites using it for this purpose. Scripts are embedded in or included from HTML documents and interact with the DOM. All major web browsers have a built-in JavaScript engine that executes the code on the user's device.

Examples of scripted behavior:

- Loading new web page content without reloading the page, via Ajax or a WebSocket. For example, users of social media can send and receive messages without leaving the current page.
- Web page animations, such as fading objects in and out, resizing, and moving them.
- Playing browser games.
- Controlling the playback of streaming media.
- Generating pop-up ads.
- Validating input values of a web form before the data is sent to a web server.
- Logging data about the user's behavior then sending it to a server. The website owner can use this data for analytics, ad tracking, and personalization.
- Redirecting a user to another page.

Libraries and frameworks:

Over 80% of websites use a third-party JavaScript library or web framework for their client-side scripting.

jQuery is by far the most popular library, used by over 75% of websites. Facebook created the React library for its website and later released it as open source; other sites, including Twitter, now use it. Likewise, the Angular framework created by Google for its websites, including YouTube and Gmail, is now an open-source project used by others.

In contrast, the term "Vanilla JS" has been coined for websites not using any libraries or frameworks, instead relying entirely on standard JavaScript functionality.

What is testing?

Software Testing is a method to check whether the actual software product matches expected requirements and to ensure that software product is [Defect](#) free. It involves execution of software/system components using manual or automated tools to evaluate one or more properties of interest. The purpose of software testing is to identify errors, gaps or missing requirements in contrast to actual requirements.

Manual Testing is a type of software testing in which test cases are executed manually by a tester without using any automated tools. The purpose of Manual Testing is to identify the bugs, issues, and defects in the software application. Manual software testing is the most primitive technique of all testing types and it helps to find critical bugs in the software application



Hardware And Software Requirements

Hardware

- 8gb ram desktop or laptop
- Internet connection with 4 MBPS speed

Software

- Visual Studio Code
- Google Chrome or Mozilla Firefox browser

Employee Score Cards

Score Card Web developer ☆ 📄 ☁

File Edit View Insert Format Data Tools Extensions Help Last edit was 45 minutes ago

100% 123 Default (Arial) 10 B I U A

6/Feb/2022								
Name of Web developer	Acknowledgment/10	Meetings/10	Working/10	Leadership /10	Punctuality/10	Behavior/10	Work Quality/10	Total/70
Avneet	10	7	9	9	9	9	9	62
Chinmay	9	9	9	8	9	9	10	63
Swati	9	8	8	8	8	8	8	57
Touseef	7	8	8	8	8	9	9	57
Adarsh	8	8	8	8	8	8	8	56
Prashant	5	5	5	5	6	5	5	38
Dev Gupta	8	9	9	8	9	9	9	61
Madhura	8	8	8	8	9	8	8	57
Anita	9	9	9	9	8	9	9	62
Yokesh	7	8	4	6	5	7	4	41
Chavi	9	8	9	9	8	9	9	61
Mohd Shameem	7	8	4	6	7	7	4	43
Gautam	7	7	4	7	7	8	4	44
Vaibhav	-	-	-	-	-	-	-	-

14/Feb/2022								
Name of Web developer	Acknowledgment/10	Meetings/10	Working/10	Leadership /10	Punctuality/10	Behavior/10	Work Quality/10	Total/70
Avneet	10	7	9	9	9	9	9	62
Chinmay	9	10	9	9	9	9	9	64
Swati	10	9	8	8	9	9	9	62
Touseef	8	9	10	9	9	8	9	62
Adarsh	9	9	10	8	9	8	9	62
Prashant	7	6	6	6	8	9	4	46
Dev Gupta	8	9	9	8	9	8	9	60
Madhura	10	9	9	8	9	9	9	63
Anita	10	9	9	8	9	9	10	64
Yokesh	8	9	5	8	8	7	5	50
Chavi	10	8	9	9	9	9	9	63
Gautam	7	8	6	7	8	8	4	48
Vaibhav	6	7	7	6	7	7	4	44

28/Feb/2022								
Name of Web developer	Acknowledgment/10	Meetings/10	Working/10	Leadership /10	Punctuality/10	Behavior/10	Work Quality/10	Total/70
Avneet	8	7	9	8	8	10	N/A	50
Chinmay	9	10	9	9	9	10	8	64
Swati	9	9	9	8	9	10	7	61
Touseef	9	9.5	5	8	9	10	5	55.5
Adarsh	9	9	6	8	8	10	8	58
Prashant	5	6	7	6	7	10	6	47
Dev Gupta	9	9	9	9	9	10	9	64
Madhura	9	9	9	9	9	10	9	64
Anita	9	9	9	9	9	9	9	63
Yokesh	7	7	7	8	7	10	8	54
Chavi	9	10	9	9	9	10	9	65
Gautam	8	9	6	9	8	10	6	56
Vaibhav	5	5	0	0	0	0	0	0

7/Mar/2022								
Name of Web developer	Acknowledgment/10	Meetings/10	Working/10	Leadership /10	Punctuality/10	Behavior/10	Work Quality/10	Total/70
Avneet	9	8	8	9	9	8	9	60
Chinmay	9	9	9	9	9	9	9	63
Swati	9	9	9	9	9	9	9	63
Touseef	9	9	5	9	7	8	9	56
Adarsh	Leave							
Prashant	6	3	0	5	4	8	0	26
Dev Gupta	9	9	9	9	9	9	9	63
Madhura	8	9	9	9	9	9	9	62
Anita	9	9	9	9	9	9	9	62
Yokesh	0	0	0	0	0	0	0	0
Chavi	9	10	9	9	9	9	9	64
Gautam	Leave							

14/Mar/2022								
Name of Web developer	Acknowledgment/10	Meetings/10	Working/10	Leadership /10	Punctuality/10	Behavior/10	Work Quality/10	Total/70
Avneet	9	9	9	9	9	9	10	64
Chinmay	9	9	9	9	9	9	9	63
Swati	9	9	9	9	9	9	9	63
Adarsh	9	9	9	9	9	9	9	63
Dev Gupta	9	9	9	9	9	9	9	63
Madhura	9	9	10	9	9	9	9	64
Anita	9	9	10	9	9	9	9	64
Chavi	9	9	9	9	9	9	9	63
Shivani	9	9	8	9	8	9	8	60
Nikhita	9	9	9	9	9	9	9	63
Baswa Kumar	7	7	5	8	6	9	5	47
Gautam	Leave							

21/Mar/2022								
Name of Web developer	Acknowledgment/10	Meetings/10	Working/10	Leadership /10	Punctuality/10	Behavior/10	Work Quality/10	Total/70
Avneet	10	9	9.5	9	9	9	9	64.5
Chinmay	10	9.5	9.5	9	9	9	9	65
Swati	7	8	8	9	8	9	9	58
Adarsh	9	9	8	9	9	9	9	60
Dev Gupta	10	9.5	9.5	9	9	9	9	65
Madhura	10	8	7	9	8	9	9	60
Anita	10	9	10	9	9	9	9	65
Chavi	9	9	9	9	9	9	9	63
Shivani	8	7	7	9	8	9	8	56
Nikhita	9	9.5	10	9	9	9	9.5	65
Baswa Kumar	7	7	5	8	6	9	5	47
Gautam	7	7	5	8	6	9	5	47
Asma	-	-	-	-	-	-	-	-
Sorvi Natish	-	-	-	-	-	-	-	-

Internship Diary

Oasis Infobyte :-

Oasis Infobyte		
Sr. No.	Dates	Work
1	01/04/2022	Got the internship
2	02/04/2022	I have Started,Basic structure of Website
3	03/04/2022	making list, tables, forms and input tags using HTML
4	04/04/2022	started to work on level 2 task
5	05/04/2022	started to work on task 1
6	06/04/2022	Completed the task 1 HTML code
7	07/04/2022	Completed task 1 CSS part
8	08/04/2022	Completed the task 1 HTML code, Performed the testing on the task
9	09/04/2022	Startes to work on task 2
10	10/04/2022	Completed the task 2 and posted the task video, performed the testing on the task
11	11/04/2022	Started to work on task 3
12	12/04/2022	Completed the HTML part
13	13/04/2022	Completed the JS and CSS code for task 3, performed the testing on the task
14	14/04/2022	posted the task on linkedin
15	15/04/2022	created the github repository for the tasks
16	16/04/2022	posted the tasks code on github, again performed the various test cases on the tasks to get verified
17	28/04/2022	filled the internship completion form

Edumarz :-

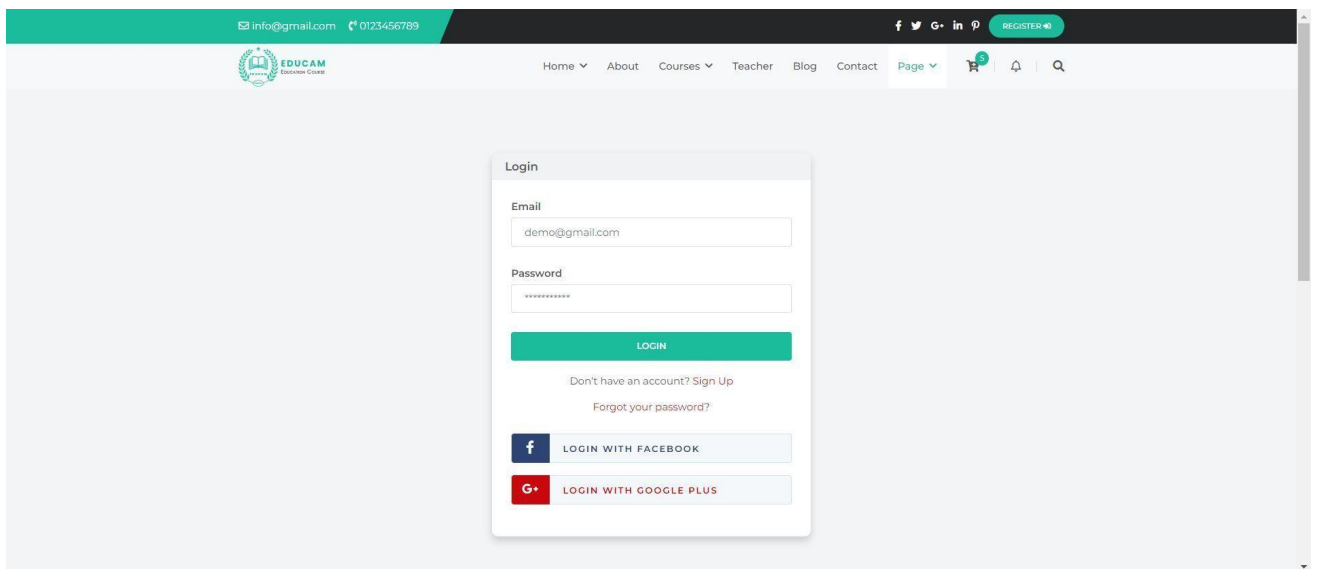
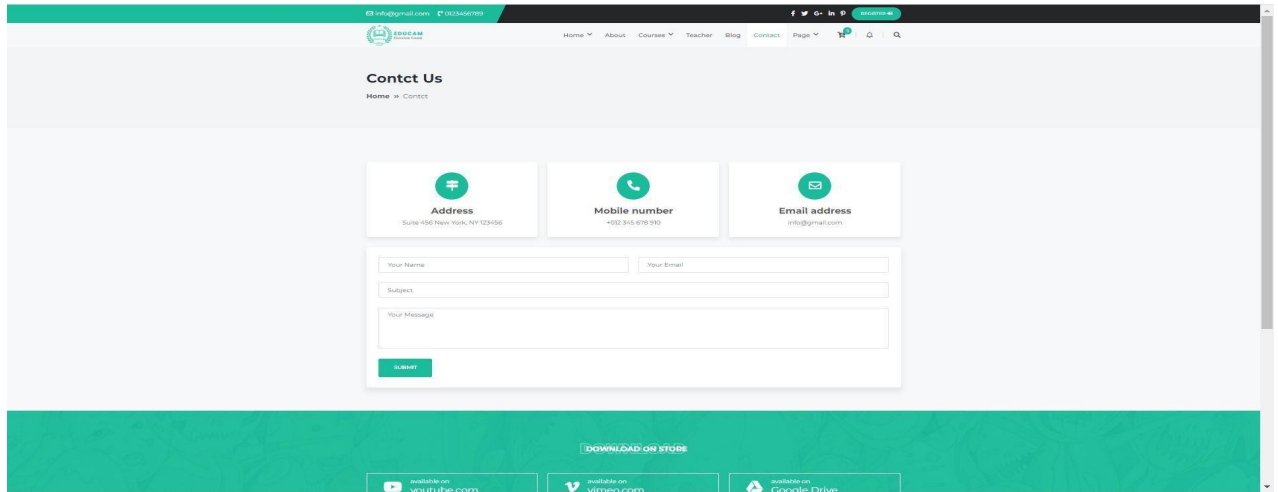
Edumarz		
<u>Sr. No.</u>	Dates	Description
1	17/01/2022	Got the internship offer letter
2	18/01/2022	started with on boarding process
3	19/01/2022	Got familiarised with the work
4	20/01/2022	Got the details about the project
5	21/01/2022	Started to learn wordpress
6	22/01/2022	Got familiarised with wordpress UI
7	23/01/2022	Started to learn about Elementor

8	24/01/2022	Designed the demo page
9	25/01/2022	Started the second page
10	26/01/2022	Started to learn WpBakery
11	27/01/2022	Got to know the themes of wordpress
12	29/01/2022	Daily task started
13	30/01/2022	Daily task 1 completed
14	31/01/2022	Got the second page to work
15	01/02/2022	started to work on the page
16	02/02/2022	got the first review for the page
17	03/02/2022	Submitted the page layout
18	04/02/2022	Daily task
19	05/02/2022	Daily task
20	06/02/2022	Daily task
21	07/02/2022	Started to work on second page design
22	08/02/2022	First review
23	09/02/2022	Changed the design according to the discussion
24	10/02/2022	submitted the layout for the page
25	11/02/2022	Daily task
26	12/02/2022	Daily task
27	13/02/2022	meeting to get details of work
28	14/02/2022	worked on the posts
29	15/02/2022	Edited the design for the page
30	16/02/2022	Daily task
31	17/02/2022	Daily task
32	03/01/2022	Got introduced to the classgenix project
33	03/02/2022	Learned the front end of the project
34	03/03/2022	Started to work on the sign up page
35	03/04/2022	Designed the demo page
36	03/05/2022	discussed the designed
37	03/06/2022	made changes according to the remark, also tested the page for the validation
38	03/07/2022	meeting for the next designed pages
39	03/08/2022	Got contact us page to design
40	03/09/2022	designed the contact us page, performed the testing on the page with various test cases
41	03/10/2022	submitted the design
42	03/11/2022	Daily task
43	03/12/2022	Daily task
44	03/13/2022	Started to work on the Profile page
45	03/14/2022	First layout designed
46	03/15/2022	discussed the designed page
47	03/16/2022	made changes according to the remark
48	03/17/2022	Completed the task of profile page, performed the testing and validated the layout of the page.
49	03/18/2022	submitted the Design
50	03/19/2022	Daily Task
51	03/20/2022	Daily task

52	03/21/2022	Daily task
53	03/22/2022	Started to work on sign in page
54	03/23/2022	Discussed the layout
55	03/24/2022	Design 1 completed
56	03/25/2022	Submitted the design
57	03/26/2022	meeting for the progress discussion
58	04/09/2022	Daily task
59	04/10/2022	Daily task
60	04/11/2022	Meeting for the Hosting discussion
61	04/12/2022	Completed the task of wordpress website
62	04/13/2022	Daily task
63	04/14/2022	Event
64	04/15/2022	Filled the internship completion form

Results

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General Knowledge

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Oasis Infobyte :-

A screenshot of a web browser window. The address bar shows "127.0.0.1:5501/index.html". The browser's tab bar and bookmark bar are visible. The main content area has a light blue background with the word "Calculator" in red text at the top. Below the text is a simple, pink calculator interface with a white display screen and buttons for digits 0-9, basic arithmetic operators (+, -, *, /), and other functions like (,), C, %, and =.

A screenshot of a web browser window displaying a tribute page for Nikola Tesla. The browser's address bar shows the file path "C:/Users/madhu/Desktop/Tribute%20page/dist/index.html". The page has a light gray background. At the top, the text "Nikola Tesla" is followed by the subtitle "The lonely visionary and modern Prometheus". Below this is a stylized, colorful illustration of Nikola Tesla's face and hands, with his hands holding a glowing blue and purple energy sphere. Underneath the illustration is a paragraph of text about Tesla's life and work, followed by a quote from him and a concluding paragraph about his legacy.

← → ↻

File | C:/Users/madhu/Desktop/todo-list-project-2-main/index.html#

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To Do List

Schedule Your Work

Write Down Work To Do

Add Item

PPT

✓ ✎ ✕

Study

✓ ✎ ✕

Clear Work

Test Cases:-

Test Cases for calculator web application :-

For doing the testing firstly open the project in visual studio code and launch the web application on live server, the application will be running on Google Chrome.

Run the following test cases;

Sr.No.	Test Case Description	Input	Expected Output	Status
1	Verify that all the buttons are present and text written on them is readable.	To check weather all buttons are present	All buttons should be present	PASS
2	Check the arithmetic operations are working fine- +, -, /, * etc.	Try out all the arithmetic operations in a row and see weather answers are correct	All the answer should be correct	PASS
3	Verify that BODMAS is applied in case of complex queries and the correct result is returned.	Perform the an equation operation	BODMAS should be applied and answer should be according to it	PASS
4	Verify that the calculator gives the correct result in case of operations containing decimal numbers.	Give input as decimal number	Answer should be in decimal number	PASS
5	Verify the number of digits allowed to enter in the calculator for any operation.	Give above 10 number as input	Above 15 numbers as input and it stops after that	PASS
6	Verify the limit of the response value.	Response above 15 digit operation	error is shown	PASS
7	Verify the state of the calculator when two buttons are pressed simultaneously.	Press two buttons simultaneously	One of them is shown	PASS
8	Verify if the user can delete digits one by one using the backspace key.	Delete numbers using backspace	Number should be deleted	PASS

Test Cases for To-Do list web application:-

For doing the testing firstly open the project in visual studio code and launch the web application on live server, the application will be running on Google Chrome.

Run the following test cases;

Sr.No.	Test Case Description	Input	Expected Output	Status
1	Task is inserted in the To-Do Table when we click on ADD button	Check if task is added to the list.	Task should be displayed in the To-Do list	PASS
2	Task is deleted When its done	Click on the delete button when task is complete .	Task should be deleted from the list.	PASS
3	Task is Edited When required	Edit any task on the To-Do list	Edited task should be displayed on the list	PASS



Internship Study

- In my internship journey I learnt a lot of new technologies.
- I have learned HTML, CSS, JavaScript programming languages, ui/ux.
- It helped me to develop my soft-skills also gave me the practical experience to work within the field.
- My experience with this amazing internship is really good and I learned new technologies and explored new field like UI/UX.

SCOPE FOR FUTURE

- It is used in data visualization and analysis for better future product.
- Artificial Intelligence(AI)
- Motion User Interface (UI)

Conclusion

In conclusion, I had great experience while doing the internships

Thanks to these internships, I acquired deeper knowledge concerning my technical skills, but I also personally learnt a lot. HTML is a common part of web applications and is one of the most popular languages for web development for designing web pages worldwide by many professionals. On the internet we can see millions of web pages created and designed using HTML and CSS. I learned basics of UI/UX designing . Also, there were lessons related to communication, teamwork and time management skills.

References

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