Parul Institute of Engineering & Technology

Internship Report Guideline

[Web Development Internship]

A PROJECT REPORT

Submitted by

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[200303105241]

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

In

[Computer Science & Engineering]

Parul Institute of

Engineering and

Technology, Limbda

Parul University, Limbda

March-2023

Parul Institute of Engineering & Technology

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Parul Institute of Engineering & Technology, Limbda

Parul Institute of Engineering & Technology, Limbda

CERTIFICATE

This is to certify that the project report submitted along with the project entitled **Internship in Web Development** has been carried out by **Abhijeet Devendra Vishwakarma** under my guidance in partial fulfillment for the degree of Bachelor of Engineering in Computer Science & Engineering, 8th Semester of Gujarat Technological University, Ahmadabad during the academic year 2023-24.

Pallavi Mandel	Dr. Amit Bharve
Internal Guide	Head of the Department

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DECLARATION

We hereby declare that the Internship report submitted along with the Internship entitled **Web Development** submitted in partial fulfillment for the degree of Bachelor of Engineering in Computer Science and Engineering to Gujarat Technological University, Ahmedabad, is a bonafide record of original project work carried out by me at InternPe under the supervision of Latesh Kumar and that no part of this report has been directly copied from any students reports or taken from any other source, without providing

due reference,

	Name of the Student	Sign of Student
1	Abhijeet Devendra Vishwakarma	_____

Acknowledgement

I would like to express my heartfelt gratitude to all those who made my internship experience at InternPe truly enriching and rewarding. First and foremost, I owe a deep debt of gratitude to my mentor, Mr Latesh kumar . His Invaluable guidance, patience, and constant encouragement were instrumental in my success during the internship. Mr Latesh Kumar a supportive learning environment where I felt comfortable asking questions and taking risks. His keen insights and constructive feedback helped me grow both professionally and personally. I am also grateful to my university, for providing me with this incredible opportunity to gain practical experience in the field of Web Development. The college's focus on experiential learning and industry exposure allowed me to apply my theoretical knowledge to real-world scenarios. I would particularly like to thank Dr. Amit Bhave, Head of Department (HOD), for his unwavering support and commitment to providing students with access to internship opportunities. He created a platform for us to explore our potential and discover our career paths. This internship has been an invaluable learning experience that has equipped me with new skills, knowledge, and confidence. I am incredibly grateful to all those who contributed to my success, and I will carry their guidance and support with me as I embark on my future endeavors.

Abstract

During the initial phase of my internship in web development, I received comprehensive training aimed at equipping me with fundamental skills and knowledge essential to the field. This training spanned a spectrum of topics including ReactJs, basic networking principles, and introductory of HTML ,CSS and JS. Subsequently, I transitioned into a minor project where I was tasked with conducting practical skills and basics fundamentals. This hands-on experience provided invaluable insights into identifying and creating attractive UI design within web applications, enhancing my understanding of web development practices in a practical setting. Looking ahead, the major project presents an exciting opportunity to collaborate with the real-world projects and expressing knowledge and creativity. Through these immersive experiences, I have not only acquired practical skills but also developed a deeper appreciation for the creating interactive design for the role of web development and backend skills. This internship has served as a platform for continuous learning and growth, reaffirming my commitment to pursuing a career in web development.

List of Figures

Fig 1.1 System image for c0ldd box 2

Parul Institute of Engineering & Technology

Internship Report Guideline

Table of Contents

Acknowledgement i

Abstract ii

List of Figures iii

Table of Contents vi

Chapter 1 Overview of the Company 1

1.1 About Company 2

1.2 Company's Mission 3

1.3 Scope of Work 3

Chapter 2 Title of chapter 8

2.1 Introduction to Topic 9

2.1.1 How to do 10

Chapter 3 Title of chapter 11

3.1 Introduction to Topic 14

3.1.1 How to do 16

3.2 Introduction to Topic 17

References 40

Appendix 42

Parul Institute of Engineering & Technology

Internship Report Guideline

Details of Chapters

1.0 Overview of the Company
- 1.1 About Company
- 1.2 Company's Misson
- 1.3 Scope of Work

2.0 Overview of different department of the organization

3.0 Introduction Internship and Project
- 3.1 Training
- 3.2 Objective
  - 3.2.1 Minor Project
  - 3.2.2 Major Project

4.0 System Analysis
- 4.1 Minor Project Methodology
- 4.2 Major Project Methodology

Parul Institute of Engineering & Technology

Internship Report Guideline

1.0 OVERVIEW OF THE COMPANY

1.1 ABOUT COMPANY: -

InternPe is a edtech platform that helps students to focuses on providing internships and spreading knowledge effectively. The company offers various courses such as Data Structures and Algorithms (DSA), web development, and artificial intelligence. They aim to match individuals with the right providers and prepare them for their career journeys. Upon successful completion of the internship, InternPe provides certificates and goodies to the trainees. The organization also offers services like the design of templates and logo making. With a focus on best quality content, InternPe strives to make individuals job-ready and help them succeed in their careers.

Figure 1.1

1.2 COMPANY'S MISSON: -

At, InternPe is to spread knowledge effectively by providing internships, practical training, and high-quality content. The organization aims to match individuals with the right providers and prepare them for their career journeys. InternPe is committed to delivering 100% quality content and helping individuals achieve their ultimate career goals. The company also focuses on offering economic and pocket-friendly courses, along with services such as the design of templates and logo making. Additionally, InternPe strives to revolutionize the tech industry and contribute to the success of individuals in their career paths.

1.3 Scope of Work : -

InternPe provides internships, practical training, and high-quality content in various fields such as web development , Artificial Intelligence. Interns collaborate with the real world project that how to gain the knowledge about the tech stack that industry needed and.

Sector-Specific Scopes:

- Providing internships: InternPe offers internships in various fields such as Data Structures and Algorithms (DSA), web development, and artificial intelligence.
- Offering high-quality content: InternPe is committed to delivering 100% quality content and helping individuals achieve their ultimate career goals.
- Providing economic and pocket-friendly courses: InternPe offers courses at low prices, making them accessible to a wider audience.
- Offering practical training: InternPe provides end-to-end training with projects in web development, helping individuals become job-ready.
- Providing services: InternPe offers services such as the design of templates and logo making.
- Contributing to the tech industry: InternPe aims to revolutionize the tech industry and contribute to the success of individuals in their career paths.
- Offering certificates and goodies: Upon successful completion of the internship, InternPe provides certificates and goodies to its trainees.
- Comparing market leaders with a reputation for service quality: InternPe compares hundreds of leading products and plans across many categories to bring the best value to its trainees.
- High rate of customer satisfaction: InternPe has been awarded for its high rate of customer satisfaction.
- Contributing to LinkedIn: InternPe has a presence on LinkedIn, where they share updates and news about their organization.

2.0 Overview of different department

Internpe is a small company with around 50 employees, and the specific departments are publicly listed. However, based on the information available on their website and social media, that exist within the company:

Business Development: This team would be responsible for identifying and partnering with new businesses to provide internship opportunities for students.

Marketing and Communications: This team would be responsible for creating and implementing marketing campaigns to attract students and businesses to Internpe.

Operations: This team would be responsible for the day-to-day operations of the company, such as onboarding new interns and businesses, managing contracts, and processing payments.

Training and Development: This team would be responsible for developing and delivering training programs for interns.

Technology: This team would be responsible for developing and maintaining the company's website and other technology infrastructure.

Customer Support: This team would be responsible for providing support to students and businesses who use Internpe.

Throughout their internships, students actively participate in projects, collaborating with industry professionals and acquiring essential skills specific to their chosen domains. This immersive experience equips them with valuable knowledge and practical abilities, preparing them for successful careers in their respective fields

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Internship Report Guideline

3.0 Introduction to Internship and Projects

3.1 Training: -

The internship started with a 3-week training where sessions were conducted with mentor every alternate days. The training started with the Introduction with of basic technologies used in web development. Then all the trainers were introduced to virtual meet and how to build the fundamentals in the frontend developer role. In the beginning of the Internship training understand how the dns ,http and protocols about the networks. To the Build Static Website with strong concept in HTML,CSS by there fundamental and practical exercise. Then Assigned to make the Website Dynamics and Responsive by the EventHandler using JS and ADV JS. After Clearing the basic fundamental in the Web development Then Moved to React.js which is javascript library to make single page application very fast as compared to html files. I the last few sessions of training , I learned about the syntax of the react and react libraries in this duration i also learned how to handle the state management such as useState, useEffect and so on.

3.2 Objective :-

My Internship aimed to gain fundamental in web development knowledge through training and apply it to practical challenges. The initial training equipped me with essential skills, later tested through two projects. In first project , I was assigned a task that need to be submit every week days regarding to check your knowledge about the technologies and the practical skills. The second project involved real-world application called doctor appointment booking. In this project I learned about how to build responsive and dynamic application and tackle the error in every situation of the props. Overall, the internship bridged the gap between theory and practice, preparing me for future web development.

3.2.1 Minor Project: -

The minor project included basic fundamentals of web development such html , css and js . I was assigned a task that need to be submitted the every end of the week. The Task was related to the Calculator , Landing of the ecommerce and todo lists. The goal of giving me the task is to learn and build practical knowledge and to identify the error in order to improve your development skills.

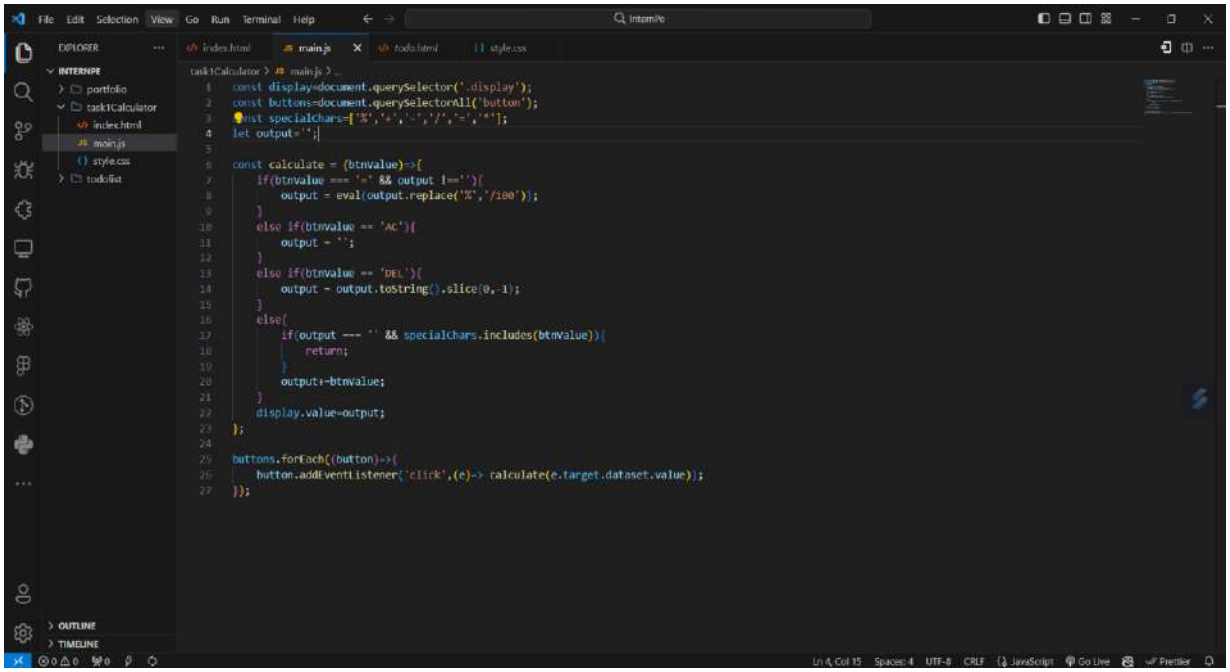
3.2.2 Major Project: -

The major project was about the doctor appointment booking. It a real world project specifies that Patients often face difficulties in scheduling appointments, while doctors struggle to manage their schedules effectively. Hence to overcome the problem of the patient in the society to get secure and effective time to convey the message without any hesitation.

System analysis

4.1 Minor Project Methodology: -

Task 1:- Make an Website for Calculator.

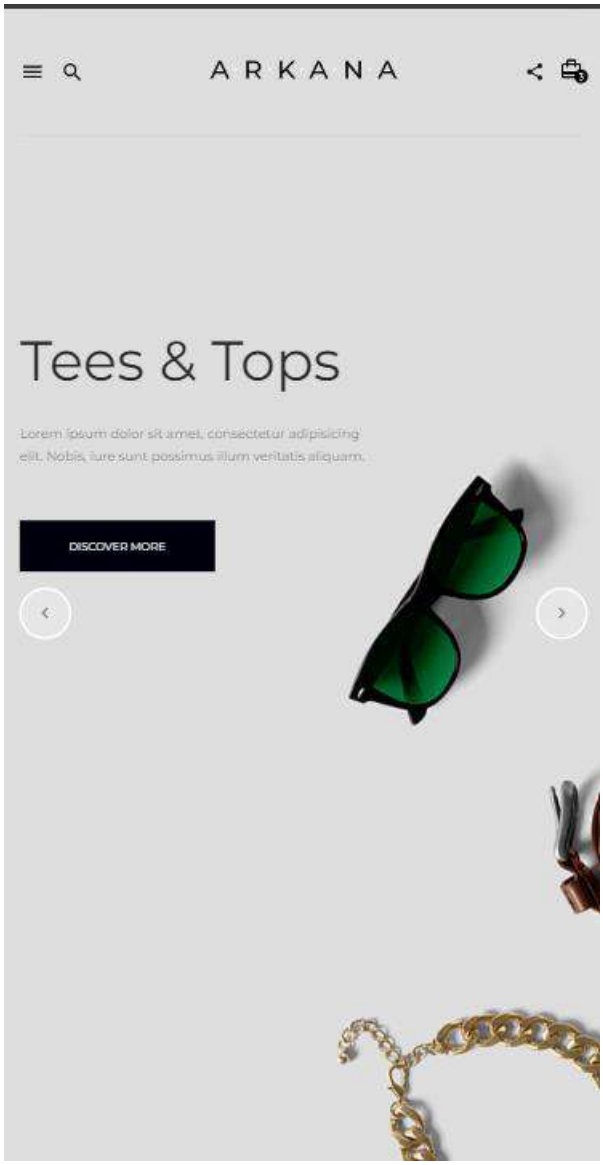


```
const display=document.querySelector('.display');
const buttons=document.querySelectorAll("button");
let specialchars=['%','+','-','/','=','*'];
let output='';

const calculate = (btnvalue)=>{
    if(btnvalue === '=' && output !=''){
        output = eval(output.replace('%','/100'));
    }
    else if(btnvalue == 'AC'){
        output = '';
    }
    else if(btnvalue == 'DEL'){
        output = output.toString().slice(0,-1);
    }
    else{
        if(output === '' && specialchars.includes(btnvalue)){
            return;
        }
        output+=btnvalue;
    }
    display.value=output;
};

buttons.forEach((button)=>{
    button.addEventListener('click',(e)=> calculate(e.target.dataset.value));
});
```

Task 2:- Make an Website for ecommerce with responsiveness using html css and js.



Parul Institute of Engineering & Technology

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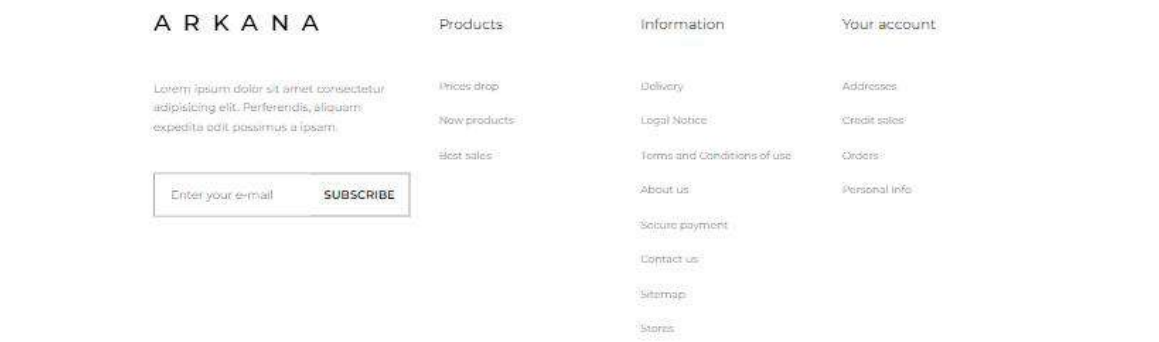
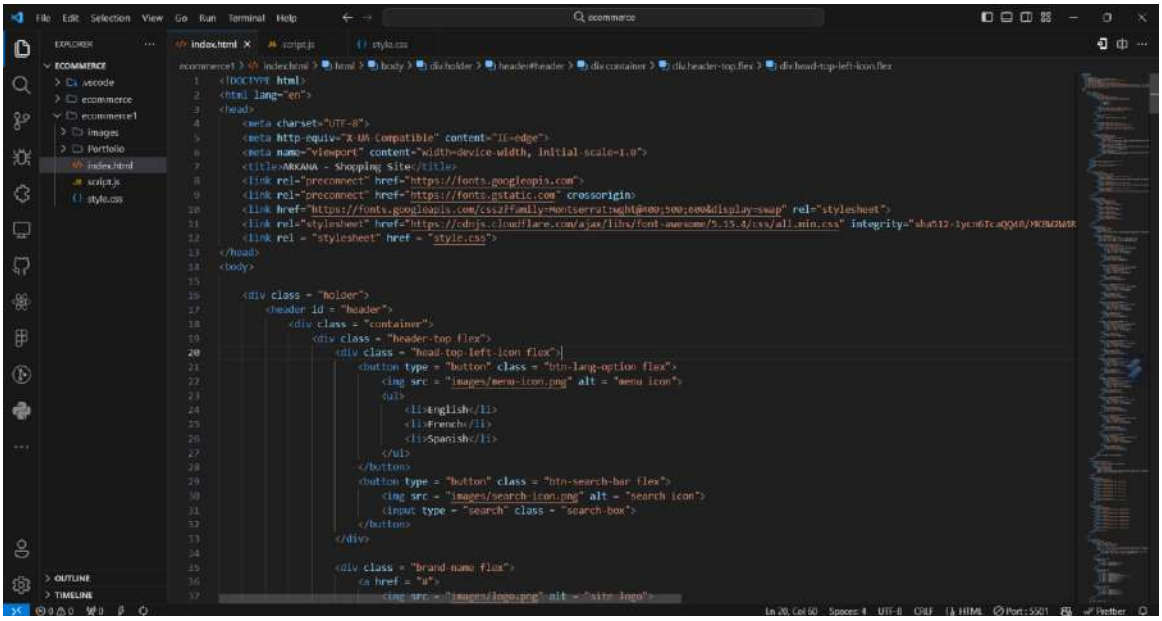
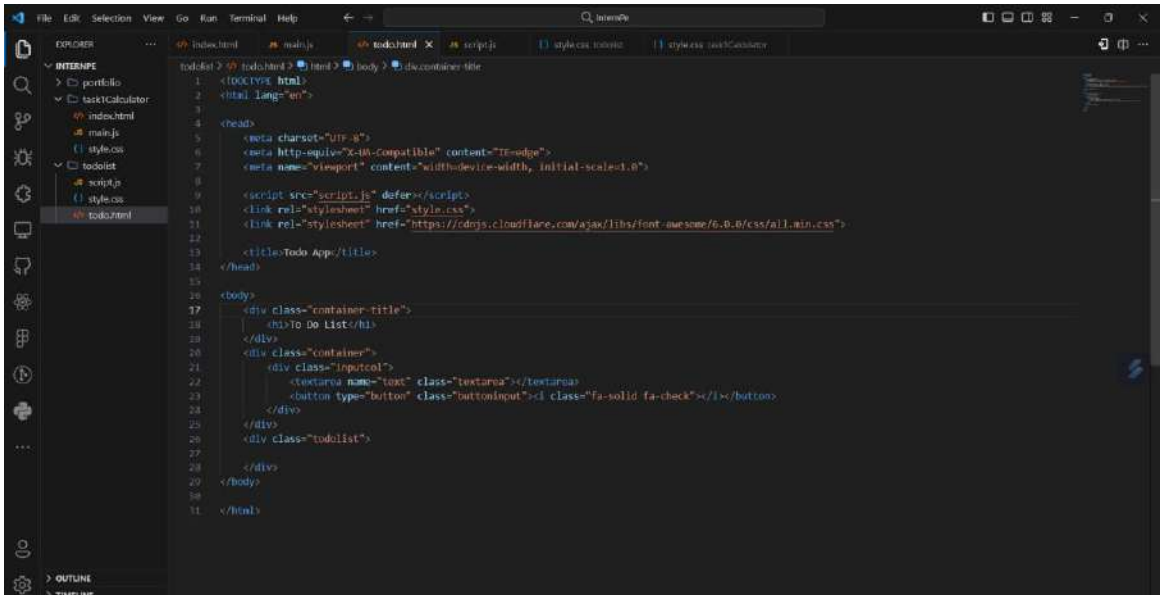
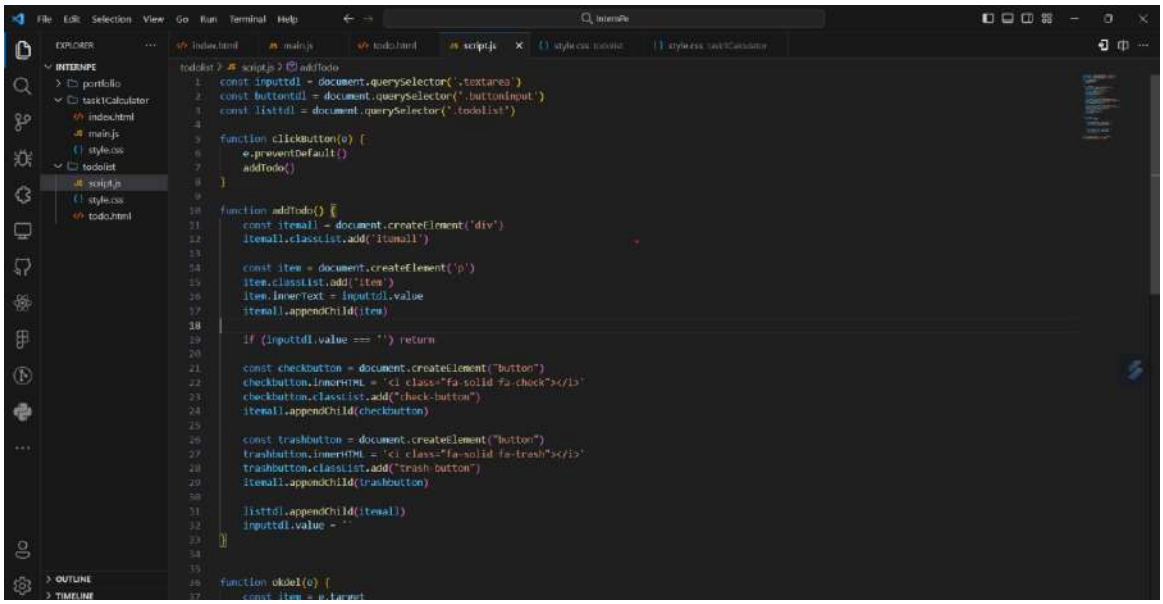




Task 3:- Make website for Todo list





4.2 Major project methodology: -

Title : - Doctor Appointment Booking.

Introduction:-

The Doctor Appointment Booking Application is a software solution designed to computerize the appointment scheduling process in healthcare facilities.

The system aims to streamline the management of patient and doctor information, improve efficiency, and enhance the overall patient experience.

Problem Statement:-

Nowadays while scheduling an appointment with doctor is quiet difficult in healthcare facilities is inefficient, time-consuming, and prone to errors.

Patients often face difficulties in scheduling appointments, while doctors struggle to manage their schedules effectively.

This problem statement highlights the need for a user-friendly, efficient, and secure Doctor Appointment Booking Application to streamline the appointment and improve the overall patient experience.

Patients often have difficulty finding available appointments with their preferred doctors.

Software And Hardware Requirements:-

Software Requirement:-

- Operating :- Window 10 and above,
- Coding Language : - Html ,css and js
- DataBase : - MongoDB
- Frontend :- ReactJS
- Backend :- NodeJS
- IDE :- Visual Studio

HardWare Requirement:-

- Processor :- i5+
- Ram :- 512MB
- Hard Disk :- 20GB+
- Processor Speed :- 2 ghz+

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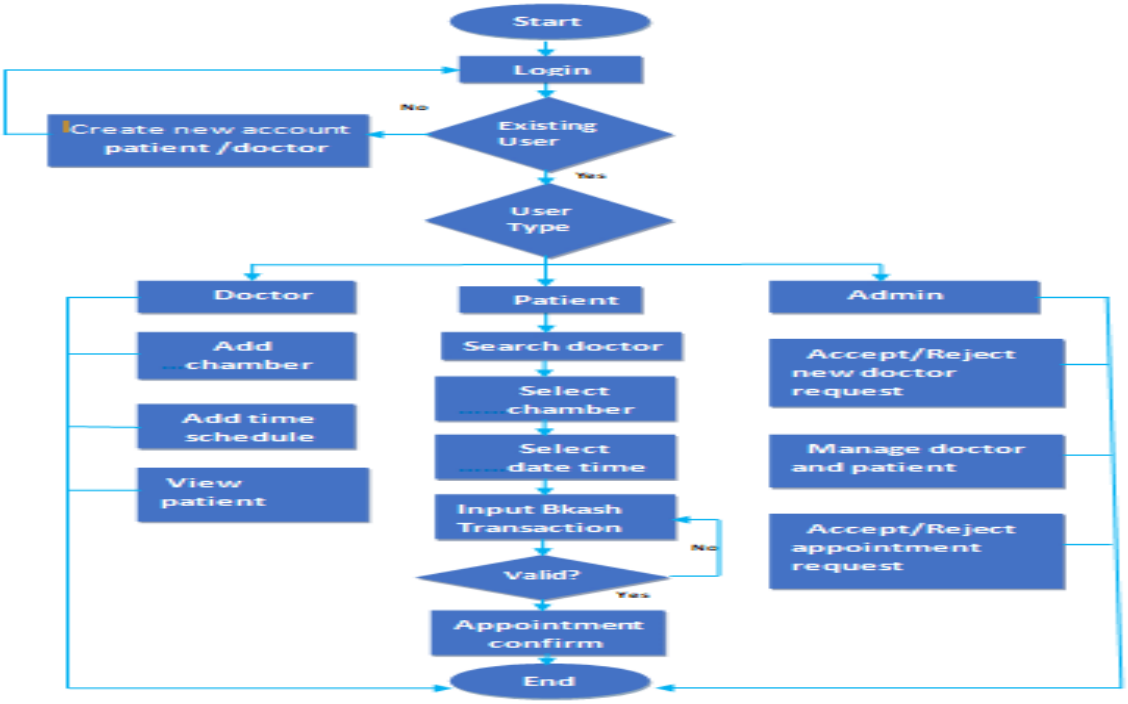
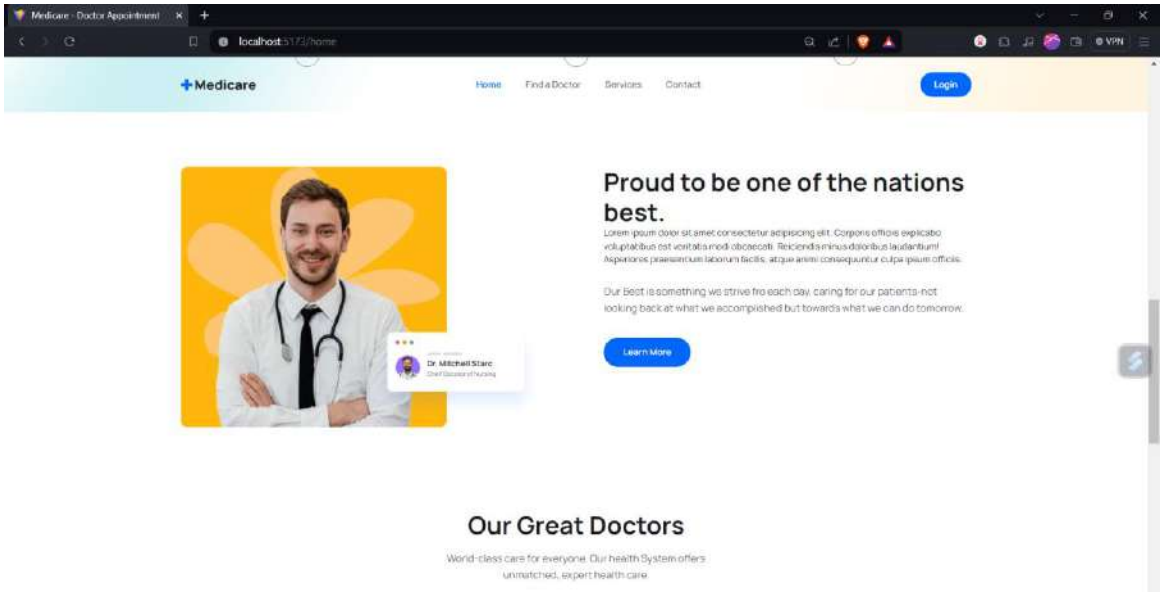
FlowChart:-

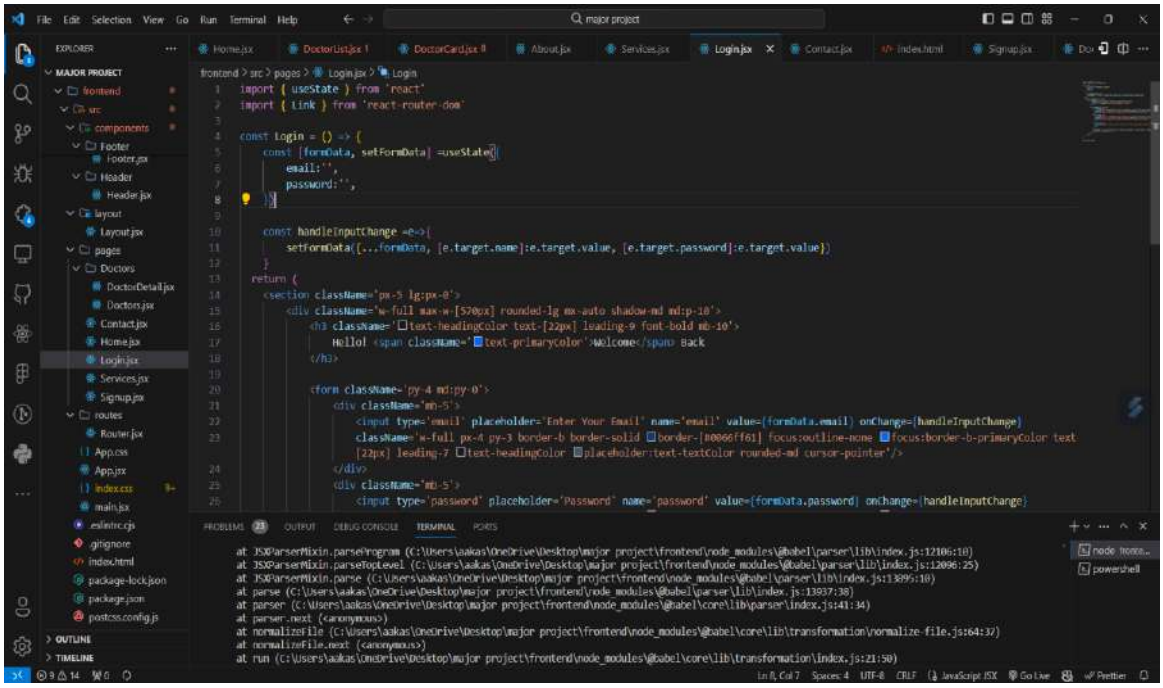


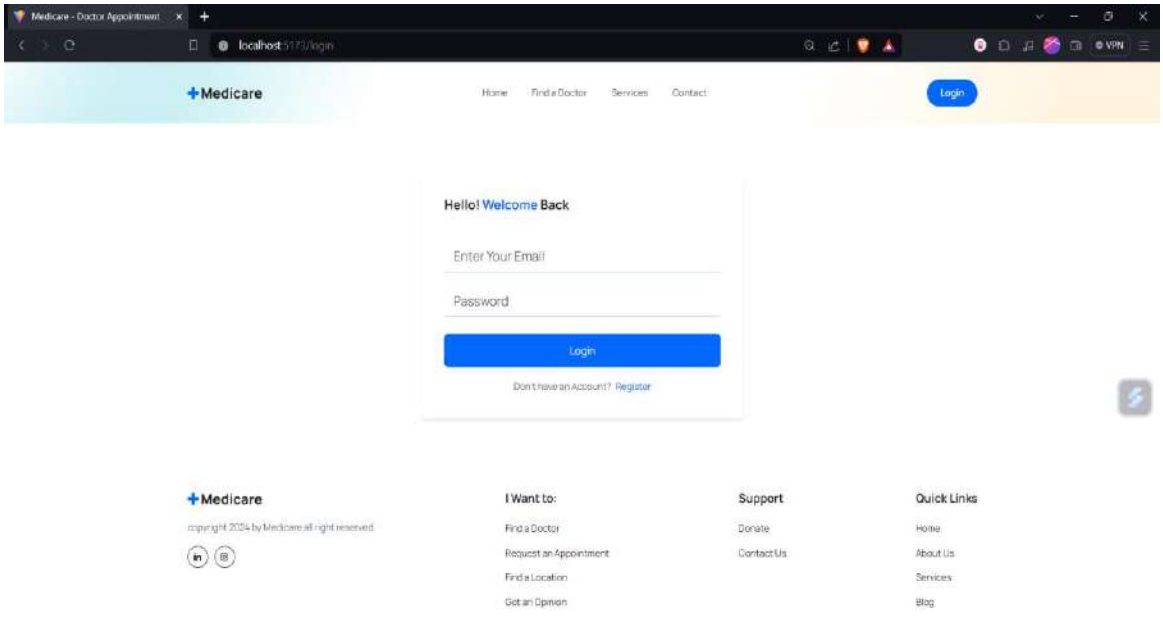
ScreenShots of Implementation of project:-



Parul Institute of Engineering & Technology

Internship Report Guideline





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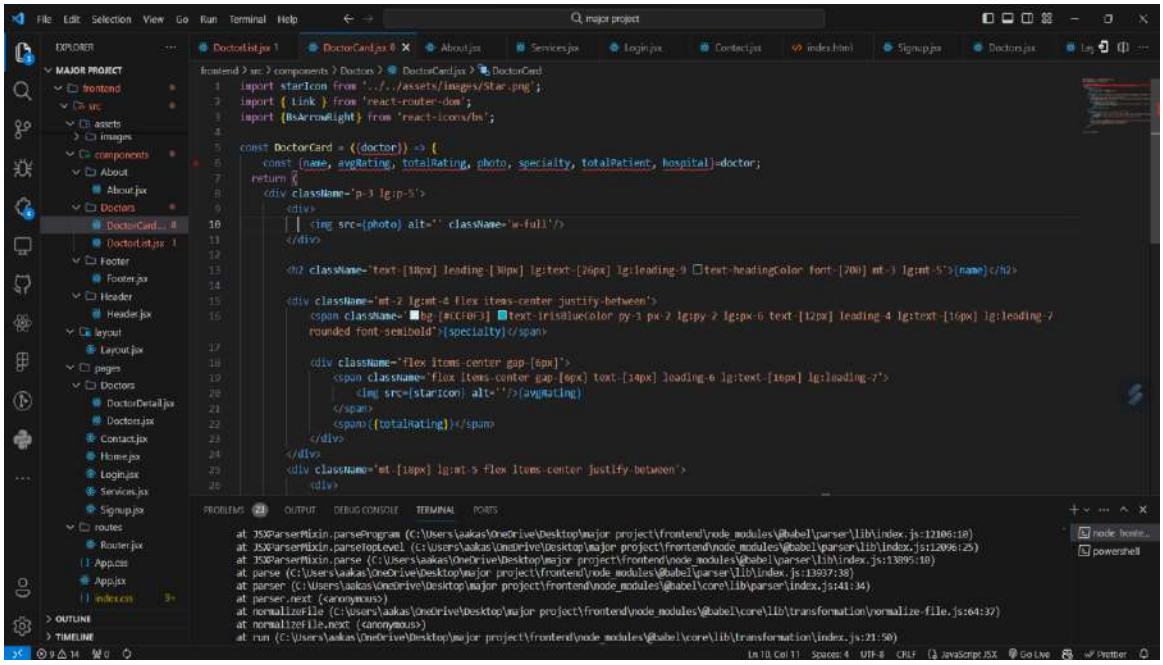
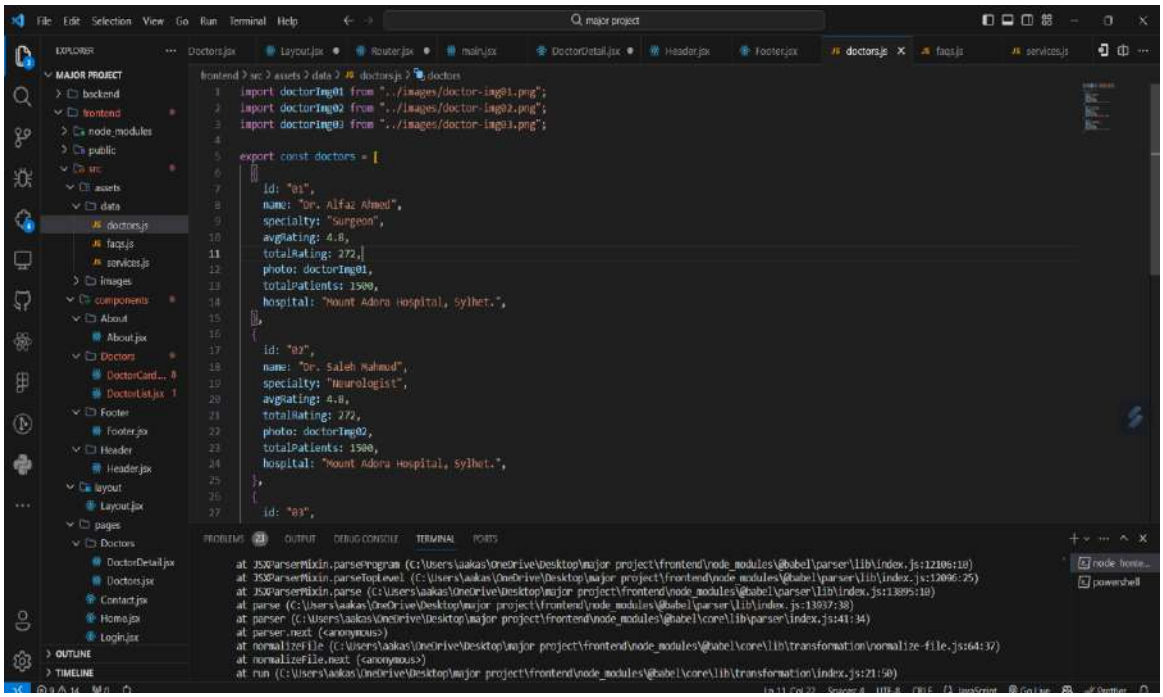
Internship Report Guideline





Conclusions:-

1. User-friendly interface: The application is designed to be simple and intuitive, allowing patients, doctors, and administrators to navigate the system with ease.
2. Patient registration: The system enables patients to register their personal information, medical history, and insurance details.
3. Doctor management: The application allows doctors to create their profiles, update their availability, and manage their schedules.
4. Appointment scheduling: Patients can schedule appointments with their preferred doctors, while the system ensures that the appointments do not overlap and that the doctors' schedules are optimized.
5. Reminder system: The application sends reminders to patients about their appointments, reducing the likelihood of no-shows.
6. Reporting and analytics: The system generates reports on appointment trends, patient satisfaction, and doctor performance, allowing healthcare facilities to make data-driven decisions.
7. Security: The application employs robust security measures to protect patient and doctor information, ensuring that it is only accessible to authorized personnel.
8. Mobile compatibility: The application is designed to be mobile-friendly, allowing patients to schedule appointments on the go.

References:-

1. https://www.cronj.com/blog/doctor-appointment-app-development/
2. https://keenethics.com/blog/develop-a-doctor-appointment-booking-app