MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Final Year Internship Report

on

WEB DEVELOPMENT INTERN

Submitted By:

Vardhman Jain

0901CS181116

Faculty Mentor:

Prof. Amit Kumar Manjhvar

Assistant Professor, CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
GWALIOR - 474005 (MP) est. 1957
MAY-JUNE 2022

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

WEB DEVELOPMENT INTERN

A final year internship report submitted in partial fulfilment of the requirement for the degree of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

Submitted by:

Vardhman Jain

0901CS181116

Internship Faculty Mentor:

Ashutosh Thute

Co-Founder, Factitious Digital

Submitted to:

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
GWALIOR - 474005 (MP) est. 1957
MAY-JUNE 2022

Internship Certificate Received from Industry/Company

Factitious

Ref.: Factitious-2022/Internship/87

May 24, 2022

Mr. Vardhman Jain

Internship Completion Letter

This is to certify that Mr. Vardhman Jain has successfully completed his internship in as a Web Developer from January 10, 2022 till May 23, 2022.

Mr. Vardhman Jain has completed the work with due sincerity and devotion. During his time we found him sincere and hardworking.

We wish him success in his future professional career.

Team Factitious Digital

Ashutosh Thute

(Co-Founder)

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

CERTIFICATE

This is certified that **Vardhman Jain** (0901CS181116) has submitted the Internship report titled **Web Development Intern** of the work he has done under the mentorship of **Prof. Amit Kumar Manjhvar,** in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

27/05/22

Prof. Amit Kumar Manjhwar
Faculty Mentor
Computer Science and Engineering

Dr. Manish Dixit
Professor and Head,
Computer Science and Engineering

Dr. Manish Dixit
Professor & HOD
Department of CSE
M.I.T.S. Gwalior

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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DECLARATION

I hereby declare that the work being presented in this Internship report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in CSE at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **Prof. Amit Kumar Manjhwar**, Assistant Professor, Department of CSE.

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.

Vardhman Jain

09001CS181116

IV Year,

Computer Science and Engineering

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

ACKNOWLEDGEMENT

The full semester internship has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary/interdisciplinary internship as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering, for allowing** me to explore this internship. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance of **Prof. Amit Kumar Manjhwar,** Assistant Professor, Department of Computer Science and Engineering, for his continued support and close mentoring throughout the internship. I am also very thankful to the faculty and staff of the department.

Vardhman Jain

09001CS181116

IV Year,

Computer Science and Engineering

ABSTRACT

This internship report describes our work that we carried out during the internship period. This was an internship and training program. We were provided with training on various technologies, we created various learning project during the learning period. We were also included in a live project which was based on developing online classroom type application. And my part was to integrate a fully functional chat System in it. The training we received helped us to sharpen our skills and added new skills to our skill set. Online education is system which is assisted by electronics learning that relies on the Internet for interaction and delivery of course materials. The purpose of our project is to provide a good user platform for people who need online training.

About the Organization: This Internship is a Full Stack Development Training by Factitious Digital. At Factitious, he excels at providing you with almost any service you want. We create our vision and mission statements with great care, keeping customer satisfaction in mind and the resonance of our goals with the public. We have created these principles with the right intention, our mission statements and the content of our vision will helps align your agency's efforts, focus on your strengths, and achieve your goals. The different skills and experiences of our internal team allow us to deepen the needs and objectives of our customers and goals so that we can use data, storytelling and technology as effectively as possible and deliver more, every time.

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Chapter 1: INTRODUCTION

1.1 Objective

This internship is combination of training and internship program. Which help us to learn new skills and sharpen our skill set. The internship is focused on building a website for online education with which students can interact with the educator with online classes. Student can also interact with each other and solve the doubts using a different chat rooms which I have created and integrated and it.

1.2 Scope

The project is majorly focused on web development and web development has a great future scope. Web development can range from the development of a simple ,plain text static single page to complex web applications, electronic activities and social networking services.

1.3 Problems in existing system

Student meat have problem in learning latest technology.
Student living far from the campus may have problem in managing time due to travel.
If the student has missed any class there is no way that can see the class again because no recording is available.

1.4 Solution for the problem

We can shift to an online education system which give us many benefits.
It is flexible; can be accessed from anywhere with a device and internet connection.
Budget-friendly.
Convenient attendance.
Student can see the class recording and learn letter.

1.5 Modules

Login Panel

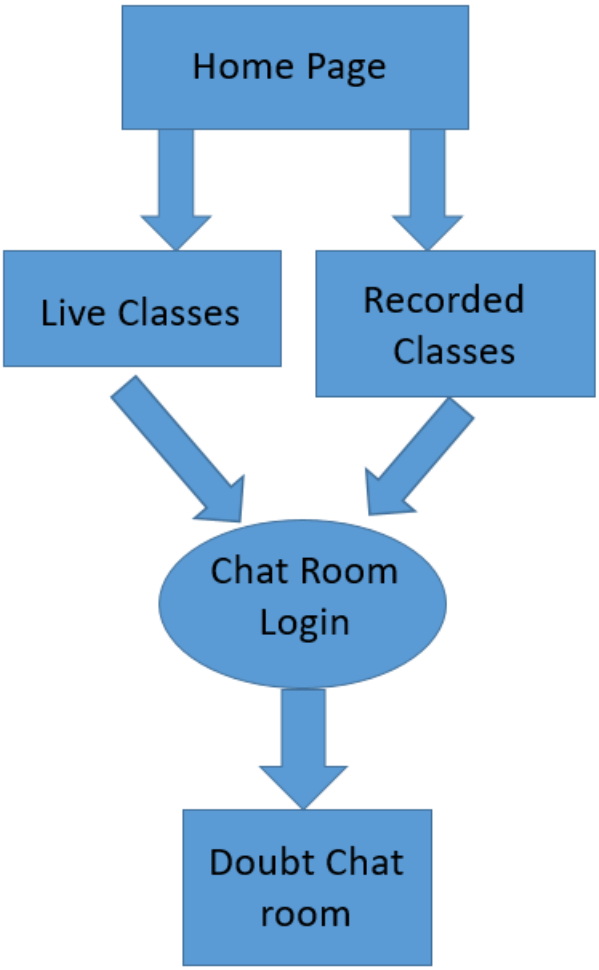
Login panel is created using JavaScript HTML and CSS it consists of two fields which is display name field where the user you can put a display name and the room field. If the student has doubts, he can create a room to solve the doubts with the teacher or the student.

The Chat Rooms

The chat room has many features anyone can create a chat room join them and share the chat room so that the other people can also join that room. It also shows who is online and to whom we can talk in order to clear our doubts. It also provides features like we get notified whenever a person joins or leaves the room. We can also share media like locations in order to interact in the better way

To achieve this purpose we have used nodeJS, expressJS and socket.io. Which is used to broadcast or unique cart a message to the specific host or a specific broadcast address through which the functionality of chat rooms is achieved.

Flow Chart


Home Page
Live Classes
Recorded Classes
Chat Room Login
Doubt Chat room

Chapter 2: Training

2.1 Web Development

Web Development means the creation, creation and maintenance of Internet sites. Web development aspect which include latest technology like web publishing, web programming, web design and database management. It is generally with the making of application with work over internet example websites, apps etc. The word Web Development is made up of two words, namely:

- Web: means websites, web pages or anything that works on the internet. Development: Creation of the application from scratch.

Web Development are divided into two Parts:

- Frontend Development
- Backend Development

2.2 Frontend Technologies

The part of a website that the user directly interacts with is called the front-end. It is also known as the client side of the website.

- **HTML**: HTML based on hypertext markup language. It is used to design the front-end of web pages using markup language. HTML is also known as the exterior of a website which also acts as a skeleton, which in turn also forms the structure of a website.
- **CSS**: Cascading Style Sheets It is usually called CSS, it is used to give a website design and make it more attractive and presentable. It is used to style the website.
- **JavaScript**: scripting language that works with both the front-end and the back-end of the project on the website.
- **Bootstrap**: Bootstrap is an open source and free tool collection which is used in creating website and web application which are very responsive in nature. It is also the most popular CSS framework for mobile first website. Websites these days are

great for all browsers (IE, Firefox, and Chrome) and screens of all sizes (desktops, tablets, phablets, and phones).

- Bootstrap 4
- Bootstrap 5

2.3 Backend Technologies

Backend also known as the server side of the website. It is the segment of the page that users cant see or interact. It is the portion of software that does not come in direct contact with the users. It is used to store and organize data.

- **PHP**: It is a well-known scripting language which is a server side language and mostly used for web development as a backend.
- **Java**: Java is one of the most popular and widely used programming language. It is also very scalable.
- **Python**: Python is a programming language that help you to work quickly and can also be used to integrate system more efficiently.
- **Node.js:** Node.js is cross platform and open source runtime environment for executing JavaScript code outside a browser.
- **Some Backend Frameworks**: Express, Django, Rails, Laravel, spring, etc.

2.4 Database

- In database we use many kind of database among which is database management system which is keeping the data of the user in a computerized way. We can perform various operation on them like insert, delete, update, alter etc.
- **SQL**: The full form of SQL is structured query language which is used in the driving and manipulating the data inside a database. Some more example of SQL are MySQL, SQL server, Oracle, Sybase, Postgres and other database systems.
- SQL is a domain-specific language used in programming and designed to manage data contained in a relational database stream management or processing system in a relational data stream management system.

2.5 SEO

The full form of SEO is search engine optimization, it is the process by which website positioning is improved within a search engine. The expected number of visitors of a website is based on the frequency that the website is visited on listed on search engine.

SEO considers how people search in a search engine and what people search for what type of word they type it find the important terms. Optimizing a website can involve modifying content to increase its relevance to specific keywords. We can also use SEO to promote a website to increase number of visitors.

Value of SEO?

- To attract more visitors: When people search in a search engine, they usually click on the top 4 to 5 website so it is very important that our website appears among the first results.

- Important to promote the website on social platforms: If our site appears on the first search engines, we get more popularity and trust from the user.

- It also plays a important role for small businesses and commercial site to improve: like the big clothing website like Myntra or Ajio have very good position on the search engine so they get more visited and people also trust them.

- Help to improve user experience: SEO not only focus only on improving result in a search engine but also help improve the user experience and usability of a website so that more people visit the website.

Chapter 3: System Requirement

3.1 System configurations

The software and the hardware requirement also plays a very important task for a project. The project should work on mostly every device show the device running the project may have a minimum specifications for software and hardware uses and for this project it is mentioned below.

Requirements for Software:

- OS: Windows 8 or above
- Language: JavaScript, HTML, CSS
- Editor: Visual Studio code
- Database: MySQL Server.

Requirement for Hardware:

- CPU: Intel i3 sixth gen
- Space: 1 Tera Byte.
- Ram: 4 Giga Byte.

Chapter 4: Technology

4.2Technology Used

- **HTML**

  The HyperText Markup Language or HTML is the standard markup language for documents designed to be viewed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.
  It is used in creating the frontend of the Web Pages.

- **Bootstrap**

  Bootstrap is a free and open source CSS framework for mobile front-end and responsive web development. Contains HTML, CSS, and JavaScript design templates for typography, forms, buttons, navigation, and other interface components.
  It is used in creating the frontend of the Web Pages.

- **JavaScript**

  JavaScript, often abbreviated as JS, is a programming language that is one of the core technologies of the World Wide Web, along with HTML and CSS.. Over 97% of websites use client-side JavaScript for web page behavior, often incorporating third-party libraries.
  It is used in creating the frontend as well as Backend of the Web Pages.

- **JQuery**

  jQuery is a JavaScript library designed to simplify traversal and manipulation of the HTML DOM tree, as well as event handling, CSS animation, and Ajax.. It is free open source software that uses the MIT permissive license. As of May 2019, jQuery is used by 73% of the 10 million most popular websites
  It is used in creating the frontend as well as Backend of the Web Pages.

- **NodeJs**

  Node. js is an open-source, cross-platform, backend JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser .
  It is used in creating the Backend of the Web Pages.

- **ExpressJs**

  Express.js, or simply Express is a framework of nodeJs and is mostly a backend framework which act as a server. We can also create and applications and APIs using the express framework it is also called as de facto standard server.
  It is used in creating the Backend of the Web Pages.

- **NPM**

  Npm is a collection of packages or we can say and npm is a package manager for the JavaScript programming language and it is made by and maintained by NPM Inc. For Java script runtime environment it is default package manager in NodeJS. It can be accessed using command line and we can download multiple and npm packages through npm website also. It is used in creating the frontend as well as Backend of the Web Pages.

- **Socket.IO**

  Socket. IO is an event-driven JavaScript library for real-time web applications. Enables real-time two-way communication between web client and server. It consists of 2 parts: a client-side library, and a server-side library for Node.js. Both the components have nearly same API.
  It is used in creating the Backend of the Web Pages.

Chapter 5: Coding

Frontend

internship > chat-app > public > chat.html > ...

```
<!DOCTYPE html>
<html>

<head>
    <title>Chat App</title>
    <link rel="icon" href="/img/favicon.png">
    <link rel="stylesheet" href="/css/styles.min.css">
</head>

<body>
    <div class="chat">
        <div id="sidebar" class="chat__sidebar">

        </div>
        <div class="chat__main">
            <div id="messages" class="chat__messages"></div>

            <div class="compose">
                <form id="message-form">
                    <input name="message" placeholder="Message" required autocomplete="off">
                    <button>Send</button>
                </form>
                <button id="send-location">Send location</button>
            </div>
        </div>
    </div>

    <script id="message-template" type="text/html">
            <div class="message">
                <p>
                    <span class="message__name">{{username}}</span>
                    <span class="message__meta">{{createdAt}}</span>
                </p>
                <p>{{message}}</p>
            </div>
        </script>

```

CSS stylesheet

```css
/* Chat Styles */

.chat__main {
    flex-grow: 1;
    display: flex;
    flex-direction: column;
    max-height: 100vh;
}

.chat__messages {
    flex-grow: 1;
    padding: 24px 24px 0 24px;
    overflow-y: scroll;
}

/* Message Styles */

.message {
    margin-bottom: 16px;
}

.message__name {
    font-weight: 600;
    font-size: 14px;
    margin-right: 8px;
}

.message__meta {
    color: #777;
    font-size: 14px;
}

.message a {
    color: #0070CC;
}

/* Message Composition Styles */
```

internship > chat-app > public > css > # styles.css > ...

```css
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

html {
    font-size: 16px;
}

input {
    font-size: 14px;
}

body {
    line-height: 1.4;
    color: #333333;
    font-family: Helvetica, Arial, sans-serif;
}

h1 {
    margin-bottom: 16px;
}

label {
    display: block;
    font-size: 14px;
    margin-bottom: 8px;
    color: #777;
}

input {
    border: 1px solid #eeeeee;
    padding: 12px;
    outline: none;
}

button {
    cursor: pointer;
```

Backend

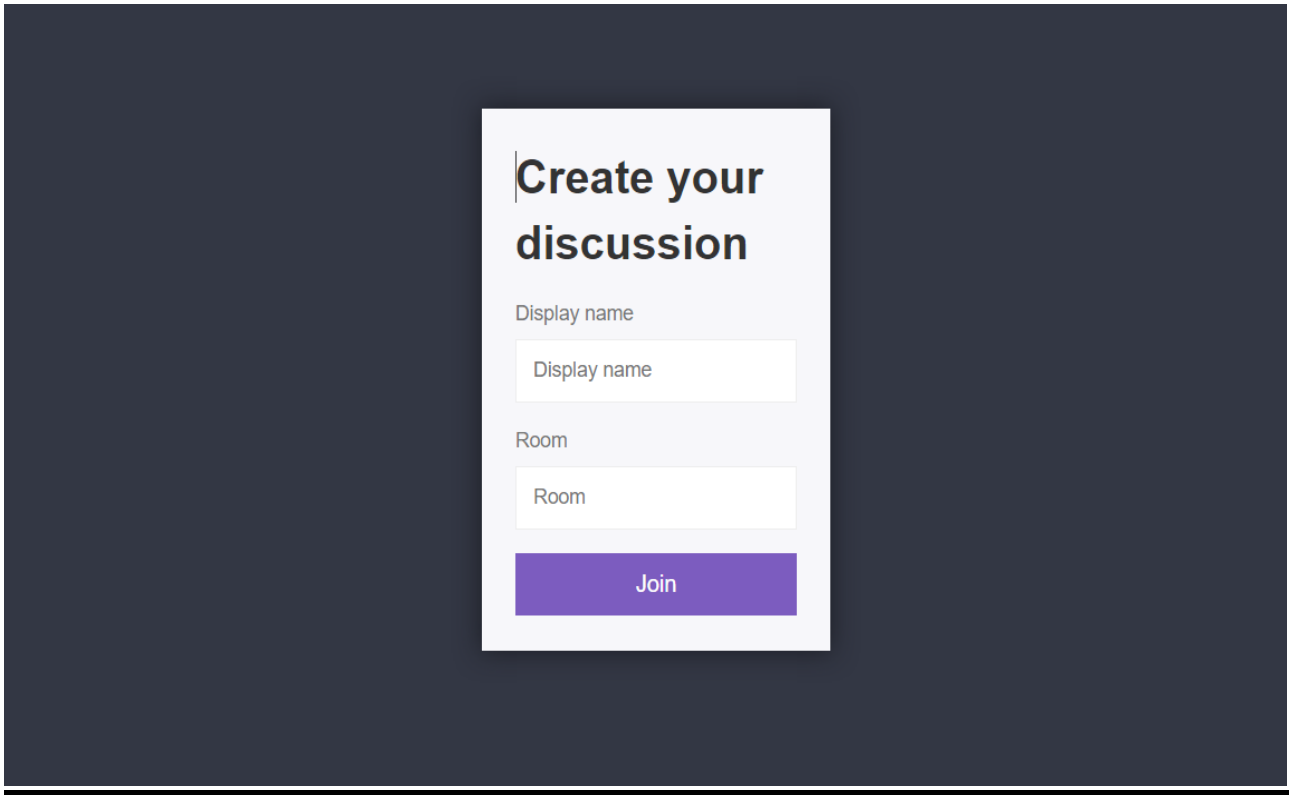
internship > chat-app > src > JS index.js > ...

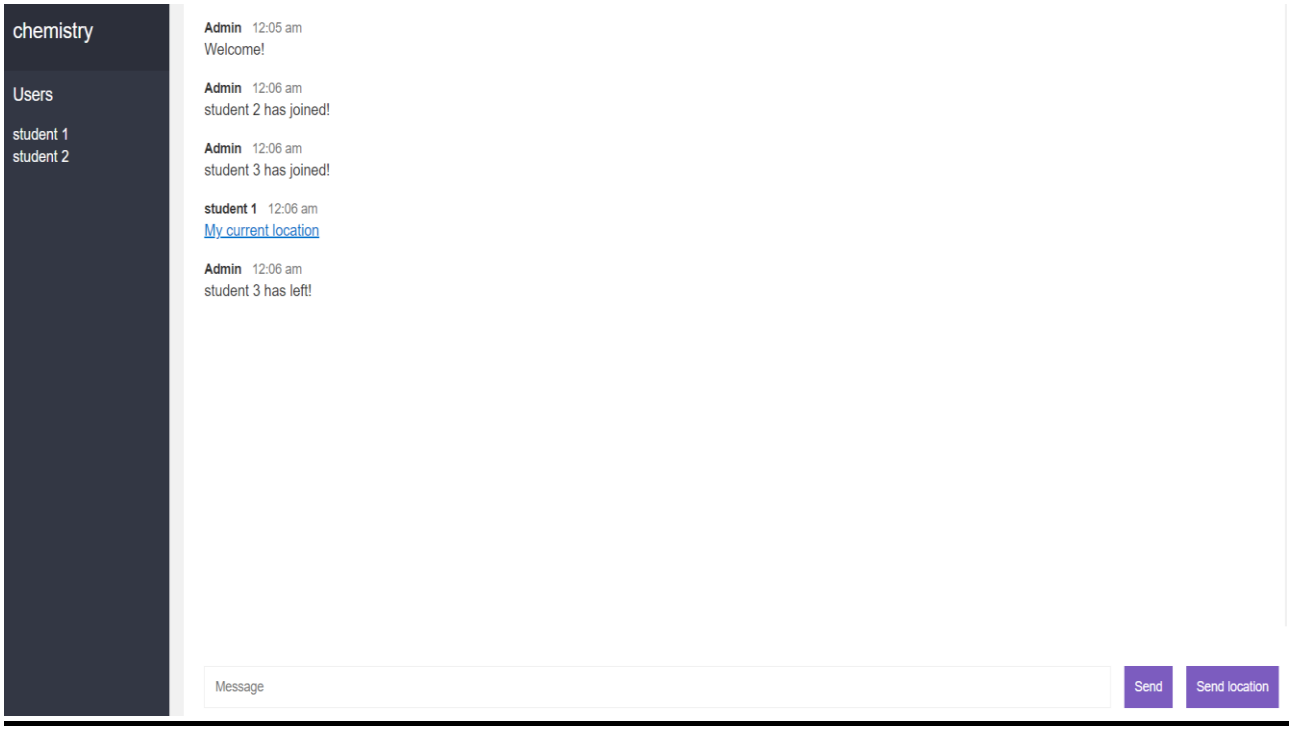
```
const path = require('path')
const http = require('http')
const express = require('express')
const socketio = require('socket.io')
const Filter = require('bad-words')
const { generateMessage, generateLocationMessage } = require('./utils/messages')
const { addUser, removeUser, getUser, getUsersInRoom } = require('./utils/users')

const app = express()
const server = http.createServer(app)
const io = socketio(server)

const port = process.env.PORT || 3000
const publicDirectoryPath = path.join(__dirname, '../public')

app.use(express.static(publicDirectoryPath))

io.on('connection', (socket) => {
    console.log('New WebSocket connection')

    socket.on('join', (options, callback) => {
        const { error, user } = addUser({ id: socket.id, ...options })

        if (error) {
            return callback(error)
        }

        socket.join(user.room)

        socket.emit('message', generateMessage('Admin', 'Welcome!'))
        socket.broadcast.to(user.room).emit('message', generateMessage('Admin', `${user.username} has joined!`))
        io.to(user.room).emit('roomData', {
            room: user.room,
            users: getUsersInRoom(user.room)
        })

        callback()
```

internship > chat-app > src > JS index.js > ...

```
        const user = getUser(socket.id)
        const filter = new Filter()

        if (filter.isProfane(message)) {
            return callback('Profanity is not allowed!')
        }

        io.to(user.room).emit('message', generateMessage(user.username, message))
        callback()
    })

    socket.on('sendLocation', (coords, callback) => {
        const user = getUser(socket.id)
        io.to(user.room).emit('locationMessage', generateLocationMessage(user.username, `https://google.com/maps?q=${coords.latitud
        callback()
    })

    socket.on('disconnect', () => {
        const user = removeUser(socket.id)

        if (user) {
            io.to(user.room).emit('message', generateMessage('Admin', `${user.username} has left!`))
            io.to(user.room).emit('roomData', {
                room: user.room,
                users: getUsersInRoom(user.room)
            })
        }
    })
})

server.listen(port, () => {
    console.log(`Server is up on port ${port}!`)
})
```

Chapter 6: Project Visuals





Chapter 7: Conclusion and Future Scope

7.1 Conclusion

We have created a website which is used to connect educator and features we are student and take live lecture or recorded lecture and also can clear doubts using the chat rooms. Which will help many student to

7.2 Future Scope

Scope of the project is very vast.

- We can build an android app, so the user can easily access the content in phone through app.
- We can give the option of community so the same kind of people can come in contact and have communication.

References

- W3SCHOOLS
  https://www.w3schools.com/
- NODEJS Website
  https://nodejs.org/en/
- NPM
  https://www.npmjs.com/
- BootStrap website
  https://getbootstrap.com/

Appendices

FPR 1

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Vardhman Jain		Department	Computer Science Engineering	
Industry/Organization	Factitious Digital		Date/Duration	10/01/2022 to 31/05/2022	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work			✓		
Behaviour/Discipline/Team work					✓
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	Front-end developer –Working with HTML, CSS, and JavaScript. He is focused towards his work and willingly participates in all the activities.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT** ✓				
Name of Industry Mentor	Ashutosh Thute				
Signature of Industry Mentor					

Receiving Date		**Name of Faculty Mentor**		**Sign**	

FPR 2

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Vardhman Jain		Department	Computer Science Engineering	
Industry/Organization	Factitious Digital		Date/Duration	14/02/2022 to 26/02/2022	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work			✓		
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	Front-end developer –Working with HTML, CSS, and JavaScript to build the client side of website.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT** ✓				
Name of Industry Mentor	Ashutosh Thute				
Signature of Industry Mentor					

Receiving Date		**Name of Faculty Mentor**		**Sign**	

FPR 3

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Vardhman Jain		Department	Computer Science Engineering	
Industry/Organization	Factitious Digital		Date/Duration	28/02/2022 to 13/03/2022	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation			✓		
Performance/Quality of work				✓	
Behaviour/Discipline/Team work				✓	
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	Front-end developer –Working with HTML, CSS, and JavaScript to build the client side of a website.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT** ✓				
Name of Industry Mentor	Ashutosh Thute				
Signature of Industry Mentor					

Receiving Date		**Name of Faculty Mentor**		**Sign**	

FPR 4

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Vardhman Jain		Department	Computer Science Engineering	
Industry/Organization	Factitious Digital		Date/Duration	14/03/2022 to 27/03/2022	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behaviour/Discipline/Team work				✓	
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	Front-end developer –Working with HTML, CSS, and JavaScript to build the client side of a website.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT** ✓				
Name of Industry Mentor	Ashutosh Thute				
Signature of Industry Mentor					

Receiving Date		**Name of Faculty Mentor**		**Sign**	

FPR 5

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Vardhman Jain		Department	Computer Science Engineering	
Industry/Organization	Factitious Digital		Date/Duration	28/03/2022 to 11/04/2022	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	Front-end developer –Working with HTML, CSS, and JavaScript to build the client side of a website.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT** ✓				
Name of Industry Mentor	Ashutosh Thute				
Signature of Industry Mentor					

Receiving Date		**Name of Faculty Mentor**		**Sign**	

FPR 6

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Vardhman Jain		Department	Computer Science Engineering	
Industry/Organization	Factitious Digital		Date/Duration	13/04/2022 to 28/04/2022	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Front-end developer –Working with HTML, CSS, and JavaScript to build the client side of a website.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT** ✓				
Name of Industry Mentor	Ashutosh Thute				
Signature of Industry Mentor					

Receiving Date		**Name of Faculty Mentor**		**Sign**	

FPR 7

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Vardhman Jain		Department	Computer Science Engineering	
Industry/Organization	Factitious Digital		Date/Duration	29/04/2022 to 13/05/2022	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Front-end developer –Working with HTML, CSS, and JavaScript to build the client side of a website.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT** ✓				
Name of Industry Mentor	Ashutosh Thute				
Signature of Industry Mentor					

Receiving Date		**Name of Faculty Mentor**		**Sign**	

FPR 8

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Vardhman Jain		Department	Computer Science Engineering	
Industry/Organization	Factitious Digital		Date/Duration	14/05/2022 to 23/05/2022	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Front-end developer –Working with HTML, CSS, and JavaScript to build the client side of a website.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT** ✓				
Name of Industry Mentor	Ashutosh Thute				
Signature of Industry Mentor					

Receiving Date		**Name of Faculty Mentor**		**Sign**	