const express=require('express');

const app=express();

const port=process.env.PORT ||5000;

const http=require('http').createServer(app);

app.use(express.static(\_\_dirname+'/public'))

app.get('/',(req,res)=>{

    res.sendFile(\_\_dirname+'/index.html');

});

*// Socket*

const io=require('socket.io')(http);

io.on("connection",(socket)=>{

    console.log('connected...⏳');

    socket.on('message',(msg)=>{

        console.log(msg);

        socket.broadcast.emit('message',msg);

    })

})

http.listen(port,()=>{

    console.log(`Connected to ${port}`);

})

<!DOCTYPE *html*>

<html *lang*="en">

<head>

    <meta *charset*="UTF-8">

    <meta *http-equiv*="X-UA-Compatible" *content*="IE=edge">

    <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

    <title>Chat.io</title>

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

</head>

<body>

    <section *class*="chat\_section">

        <div *class*="brand">

            <img *src*="chat.png" *alt*="">

            <h1>Chat.io</h1>

        </div>

        <div *class*="message\_area"></div>

        <div *class*="send">

            <input *type*="text" *name*="" *id*="textarea" *cols*="30" *rows*="1" *placeholder*="Write a messgae">

            <button *id*="button">Send</button>

        </div>

    </section>

    <script *src*="/socket.io/socket.io.js"></script>

    <script *src*="client.js"></script>

</body>

</html>

const socket=io();

let name;

let textarea=document.getElementById('textarea');

let messageArea=document.querySelector('.message\_area');

let button=document.getElementById('button');

do{

    name=prompt('Please enter you name: ');

}while(!name)

button.addEventListener("click",(e)=>{

    {

        sendMessage(textarea.value);

    }

});

textarea.addEventListener("keyup",(e)=>{

    if(e.key==='Enter')

    {

        sendMessage(e.target.value);

    }

});

function sendMessage(message) {

    let msg={

        user: name,

        message:message.trim()

    }

*// Append*

    appendMessage(msg,'outgoing');

    textarea.value='';

    scrollToBottom()

*// send to server*

    socket.emit('message', msg)

}

function appendMessage(msg,type) {

    let mainDiv=document.createElement('div');

    let className=type

    mainDiv.classList.add(className,'message');

    let markup=`<h4>${msg.user}</h4>

    <p>${msg.message}</p>`;

    mainDiv.innerHTML=markup;

    messageArea.appendChild(mainDiv)

}

*// Recieve message*

socket.on('message',(msg)=>{

    appendMessage(msg,'incoming')

    scrollToBottom()

})

*// scroll to bottom*

function scrollToBottom() {

    messageArea.scrollTop=messageArea.scrollHeight;

}