**Package.json**

{

  "name": "memechat",

  "version": "1.0.0",

  "description": "a fun chatting webpage for my boiizzz in the comments",

  "main": "memeServer.js",

  "scripts": {

    "test": "echo \"Error: no test specified\" && exit 1",

    "start": "node server.js"

  },

  "author": "rhymbil",

  "license": "ISC",

  "dependencies": {

    "balanced-match": "^1.0.0",

    "express": "\*",

    "socket.io": "\*"

  }

}

**MEMESERVER**

//How to make a meme server courtesy of RhymBil

var express = require("express");

var app = express();

var server = require("http").createServer(app);

var io = require("socket.io").listen(server);

//setting the required variables

memers = []; //users array

memeConnections = []; //connections array

server.listen(process.env.PORT || 2019);  // It will run on localhost:(any number)

console.log("Meme Server Is Up");

app.get("/", function(req, res){

res.sendFile(\_\_dirname + "/index.html"); //links to html file CHANGE /index.html to you actually html file

});

io.sockets.on("connection", function(socket){

//connection stuff

memeConnections.push(socket);

console.log("Memers connected: %s", memeConnections.length);

// disconnection stuff

socket.on("disconnect", function(data){

memers.splice(memers.indexOf(socket.username), 1); //accessing the array memers

memeConnections.splice(memeConnections.indexOf(socket),1);

console.log("Memers disconnected: %s ", memeConnections.length);

});

//send dem meme messages

socket.on("send meme message", function(data){

console.log(data);// shows what the memers typed in console

io.sockets.emit("new meme message", {msg: data});

});

});

**MemeChat.html**

<html>

<head>

<title> MemeChat</title>

<script src="https://code.jquery.com/jquery-latest.min.js"></script>

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

</head>

<body>

<div id="memechat"> <p id="p">Meme Chat </p><p id="pr"> By RhymBil</p></div>

<br>

<br>

<div id="holder">

<form id="messageForm">

<input type="text" id="messageInput" placeholder="Type..."/>

<button type="submit"  id="btn" onclick="hidel()"> Send </button>

</form>

<div class="chat" id="chat" style="overflow-y:scroll; height:450px;">

<div id="messageBox">

</div>

</div>

<button type="submit"  id="btn1" onclick="showl()"> Show All </button>

</body>

<script>

$(function(){

var socket = io.connect();  //connects to socket

var $messageForm = $("#messageForm"); //ref to the div message form

var $messageInput = $("#messageInput"); //ref to input box with id message

var $chat = $("#chat"); //ref to div chat

var test = $messageInput.val("");

$messageForm.submit(function(e){

e.preventDefault();

socket.emit("send meme message", $messageInput.val());

$messageInput.val("");

});

socket.on("new meme message", function(data){

if(data.msg.length > 0){

$chat.append('<br>'  +'<div id="circle"> ' + '<textarea id="t" readonly>' + data.msg + '</textarea>'+' </div>' + '<br>' );

}

});

});

showlog = false;

window.setInterval(function() {

if(showlog == false){

  var chat = document.getElementById("chat");

  chat.scrollTop = chat.scrollHeight;

  }

}, 4);

function showl(){

showlog = true;

}

function hidel(){

var chat = document.getElementById("chat");

  chat.scrollTop = chat.scrollHeight;

showlog = false;

}

</script>

<style>

body{

background-color:#1abc9c;

}

#p{

margin-top:9px;

}

#pr{

font-size:12px;

margin-top:-34px;

margin-left: 82px;

}

#memechat{

background-color:#e74c3c;

font-family: verdana;

color:white;

font-size: 30px;

text-align:center;

border: 2px solid white;

border-radius:15px;

width:190px;

height:60px;

}

#btn{

background-color: white;

font-size:15px;

font-family: Verdana;

color:black;

width:56px;

height:51px;

text-align: center;

margin-left:0px;

border-radius:10px;

outline:none;

border: 2px solid #e74c3c;

}

#btn1{

background-color: white;

font-size:15px;

font-family: Verdana;

color:black;

width:100px;

height:40px;

text-align: center;

margin-left:1040px;

margin-top: -40px;

border-radius:10px;

outline:none;

border: 2px solid #e74c3c;

}

#messageInput{

 margin-left: 532px;

text-align:center;

border-radius:10px;

outline:none;

shadow:none;

font-size:15px;

font-family: Verdana;

color:black;

width:250px;

height:50px;

}

#t {

text-align:left;

font-size:15px;

font-family: Verdana;

color:black;

border: 2px solid #f1c40f;

  margin-top: -5px;

  margin-left: 72px;

  width:200px;

  height:90px;

  background-color:white;

  border-radius:12px;

  resize: none;

      outline: none;

}

#chat{

border: 6px solid white;

width:700px;

background-color:#e74c3c;

margin:auto;

border-radius: 10px;

}

::-webkit-scrollbar {

display: none;

}

#circle{

width:50px;

height:50px;

border-radius:100px;

border: 5px solid white;

margin-left:25px;

background-color:#f1c40f;

}

</style>

</html>

**Updated MemeChat.html**

<html>

<head>

<title> ChatSystem</title>

<script src="https://code.jquery.com/jquery-latest.min.js"></script>

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

</head>

<body>

<div id="memechat"> <p id="p">ChatSystem </p><p id="pr">By Anikit</p></div>

<br>

<br>

<div id="holder">

<form id="messageForm">

<input type="text" id="messageInput" placeholder="Type..."/>

<button type="submit" id="btn" onclick="hidel()"> Send </button>

</form>

<div class="chat" id="chat" style="overflow-y:scroll; height:450px;">

<div id="messageBox">

</div>

</div>

</div>

<button type="submit" id="btn1" onclick="showl()"> Show All </button>

<div id="people" style="overflow-y:scroll; height:450px;">

</body>

<script>

var socket = io.connect(); //connects to socket

$(function(){

var $people = $("#people");

var $messageForm = $("#messageForm"); //ref to the div message form

var $messageInput = $("#messageInput"); //ref to input box with id message

var $chat = $("#chat"); //ref to div chat

$messageForm.submit(function(e){

e.preventDefault();

socket.emit("send meme message", $messageInput.val());

$messageInput.val("");

});

socket.on("new meme message", function(data){

if(data.msg.length > 0){

$chat.append('<br>' +'<div id="circle"> ' + '<textarea id="t" readonly>' + data.msg + '</textarea>'+' </div>' + '<br>' );

}

});

socket.on("new memer", function(data){

$people.append('<br>' +'<div id="circle1"> ' + ' </div>' + '<br>' );

});

socket.on("memer left", function(data){

$("#circle1").remove();

});

});

showlog = false;

window.setInterval(function() {

if(showlog == false){

var chat = document.getElementById("chat");

chat.scrollTop = chat.scrollHeight;

var people = document.getElementById("people");

people.scrollTop = people.scrollHeight;

}

}, 4);

function showl(){

showlog = true;

}

function hidel(){

var chat = document.getElementById("chat");

chat.scrollTop = chat.scrollHeight;

var people = document.getElementById("people");

people.scrollTop = people.scrollHeight;

showlog = false;

}

</script>

<style>

body{

background-color:cornflowerblue;

}

#p{

margin-top:9px;

}

#people{

background-color:forestgreen;

width:250px;

height:440px;

margin-left:767px;

margin-top:-462px;

border: 6px solid white;

}

#pr{

font-size:12px;

margin-top:-34px;

margin-left: 82px;

}

#memechat{

background-color:orangered;

font-family: verdana;

color:white;

font-size: 30px;

text-align:center;

border: 2px solid white;

border-radius:15px;

width:190px;

height:60px;

}

#btn{

background-color: white;

font-size:15px;

font-family: Verdana;

color:black;

width:56px;

height:51px;

text-align: center;

margin-left:0px;

border-radius:10px;

outline:none;

border: 2px solid #e74c3c;

}

#btn1{

background-color: white;

font-size:15px;

font-family: Verdana;

color:black;

width:100px;

height:40px;

text-align: center;

margin-left:1040px;

margin-top: -40px;

border-radius:10px;

outline:none;

border: 2px solid #e74c3c;

}

#messageInput{

margin-left: 532px;

text-align:center;

border-radius:10px;

outline:none;

shadow:none;

font-size:15px;

font-family: Verdana;

color:black;

width:250px;

height:50px;

}

#t {

text-align:left;

font-size:15px;

font-family: Verdana;

color:black;

border: 2px solid #f1c40f;

margin-top: -5px;

margin-left: 72px;

width:200px;

height:90px;

background-color:white;

border-radius:12px;

resize: none;

outline: none;

}

#chat{

border: 6px solid white;

width:459px;

background-color:whitesmoke;

margin:auto;

border-radius: 10px;

margin-left:300px;

}

::-webkit-scrollbar {

display: none;

}

#circle{

width:50px;

height:50px;

border-radius:100px;

border: 5px solid white;

margin-left:25px;

background-color:#f1c40f;

}

#circle1{

width:50px;

height:50px;

border-radius:100px;

border: 5px solid white;

margin-left:25px;

background-color:#3498db;

}

</style>

</html>

**Updated memeserver.js**

//How to make a meme server courtesy of RhymBil

var express = require("express");

var app = express();

var server = require("http").createServer(app);

var io = require("socket.io").listen(server);

//setting the required variables

memers = []; //users array

memeConnections = []; //connections array

server.listen(process.env.PORT || 2020);  // It will run on localhost:(any number)

console.log("Meme Server Is Up");

app.get("/", function(req, res){

res.sendFile(\_\_dirname + "/memeChattut.html"); //links to html file CHANGE /index.html to you actually html file

});

io.sockets.on("connection", function(socket){

//connection stuff

memeConnections.push(socket);

io.sockets.emit("new memer"); //checks if anyone is online

console.log("Memers connected: %s", memeConnections.length);

// disconnection stuff

socket.on("disconnect", function(data){

memers.splice(memers.indexOf(socket.username), 1); //accessing the array memers

io.sockets.emit("memer left"); //checks if memer left

memeConnections.splice(memeConnections.indexOf(socket),1);

console.log("Memers disconnected: %s ", memeConnections.length);

});

//send dem meme messages

socket.on("send meme message", function(data){

console.log(data);// shows what the memers typed in console

io.sockets.emit("new meme message", {msg: data});

});

});