<!DOCTYPE html>

<html lang="en">

<head>

<title>Create Your Own Chatbot</title>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width" />

<link rel="stylesheet" href="chatbot.css" />

<script src="chatbot.js"></script>

</head>

<body>

<div class="card">

<div id="header">

<h1>Chatter box!</h1>

</div>

<div id="message-section">

<div class="message" id="bot"><span id="bot-response">Hello.. I'm listening! Go on..</span></div>

</div>

<div id="input-section">

<input id="input" type="text" placeholder="Type a message" autocomplete="off" autofocus="autofocus"/>

<button class="send" onclick="sendMessage()">

<div class="circle"><i class="zmdi zmdi-mail-send"></i></div>

</button>

</div>

</div>

<script src="chatbot.js"></script>

</body>

</html>

body {

background: #f0f0f0;

}

.card {

max-width: 500px;

margin: 50px auto;

background: #fff;

border-radius: 10px;

box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);

}

#header {

background: #333;

color: #fff;

padding: 10px;

border-top-left-radius: 10px;

border-top-right-radius: 10px;

}

#header h1 {

margin: 0;

}

#message-section {

padding: 20px;

max-height: 300px;

overflow-y: auto;

}

.message {

margin-bottom: 10px;

padding: 10px;

border-radius: 5px;

}

#bot {

background: #f0f0f0;

}

#user {

background: #dff0d8;

text-align: right;

}

#input-section {

padding: 20px;

display: flex;

align-items: center;

}

input[type="text"] {

flex: 1;

padding: 10px;

border-radius: 5px;

border: 1px solid #ccc;

margin-right: 10px;

}

.send {

background: #007bff;

color: #fff;

border: none;

border-radius: 50%;

width: 40px;

height: 40px;

cursor: pointer;

display: flex;

align-items: center;

justify-content: center;

}

.message {

position: relative;

}

.time {

position: absolute;

bottom: -20px;

right: 0;

font-size: 0.8em;

color: #777;

}

const userMessage = [

["hi","hii", "hey", "hello"],

["how are you", "how is your health"],

["what are the symptoms of COVID-19", "what are the signs of coronavirus"],

["how can I prevent COVID-19", "how to protect myself from coronavirus"],

["what should I do if I have COVID-19 symptoms"],

["what are the vaccines available for COVID-19"],

["how effective are the COVID-19 vaccines"],

["what are the latest updates on COVID-19"],

["thank you", "thanks"],

// Add more health-related questions here

];

const botReply = [

["Hello!", "Hi!", "Hey!", "Hi there!"],

["I'm doing well, thank you for asking. How can I assist you today?"],

["Common symptoms of COVID-19 include fever, cough, and difficulty breathing."],

["To prevent COVID-19, it's essential to wear masks, practice social distancing, and frequently wash hands."],

["If you have COVID-19 symptoms, isolate yourself and seek medical advice immediately."],

["Currently, there are several vaccines approved for COVID-19, such as Pfizer-BioNTech, Moderna, and Johnson & Johnson."],

["COVID-19 vaccines have shown to be highly effective in preventing severe illness and hospitalization."],

["For the latest updates on COVID-19, I recommend checking reliable sources such as the CDC or WHO websites."],

["You're welcome! If you have any more questions, feel free to ask."],

// Add corresponding bot replies for each user question

];

const alternative = [

"I'm sorry, I didn't quite understand. Can you please rephrase your question?",

"Hmm, could you ask that in a different way?",

"I'm not sure I follow. Could you clarify?",

"I'm here to help with health-related questions. Feel free to ask me anything related to COVID-19 or general health.",

"That's interesting! Let's talk more about COVID-19 and how to stay safe."

];

const synth = window.speechSynthesis;

function voiceControl(string) {

let u = new SpeechSynthesisUtterance(string);

u.text = string;

u.lang = "en-aus";

u.volume = 1;

u.rate = 1;

u.pitch = 1;

synth.speak(u);

}

function sendMessage() {

const inputField = document.getElementById("input");

let input = inputField.value.trim();

input != "" && output(input);

inputField.value = "";

}

document.addEventListener("DOMContentLoaded", () => {

const inputField = document.getElementById("input");

inputField.addEventListener("keydown", function (e) {

if (e.code === "Enter") {

let input = inputField.value.trim();

input != "" && output(input);

inputField.value = "";

}

});

});

function output(input) {

let product;

let text = input.toLowerCase().replace(/[^\w\s\d]/gi, "");

text = text

.replace(/[\W\_]/g, " ")

.replace(/i feel /g, "")

.replace(/whats/g, "what is")

.replace(/please /g, "")

.replace(/ please/g, "")

.trim();

let comparedText = compare(userMessage, botReply, text);

product = comparedText

? comparedText

: alternative[Math.floor(Math.random() \* alternative.length)];

addChat(input, product);

}

function compare(triggerArray, replyArray, string) {

let item;

for (let x = 0; x < triggerArray.length; x++) {

for (let y = 0; y < triggerArray[x].length; y++) {

if (triggerArray[x][y] == string) {

items = replyArray[x];

item = items[Math.floor(Math.random() \* items.length)];

}

}

}

if (item) return item;

else return containMessageCheck(string);

}

function containMessageCheck(string) {

let expectedReply = [

[

"Good Bye, take care of yourself.",

"Bye, Stay safe!",

"Goodbye, and remember to follow health guidelines."

],

["Good Night, get plenty of rest.", "Have a sound sleep.", "Sweet dreams, and stay healthy."],

["Have a pleasant evening!", "Good evening too!", "Evening! Stay safe."],

["Good morning, Have a great day!", "Morning, stay healthy!", "Good morning! Remember to stay hydrated."],

["Good Afternoon, stay hydrated.", "Noon, stay safe!", "Afternoon, take a break and stay well!"]

];

let expectedMessage = [

["bye", "tc", "take care"],

["night", "good night"],

["evening", "good evening"],

["morning", "good morning"],

["noon"]

];

let item;

for (let x = 0; x < expectedMessage.length; x++) {

if (expectedMessage[x].includes(string)) {

items = expectedReply[x];

item = items[Math.floor(Math.random() \* items.length)];

}

}

return item;

}

function addChat(input, product) {

const mainDiv = document.getElementById("message-section");

let userDiv = document.createElement("div");

userDiv.id = "user";

userDiv.classList.add("message");

userDiv.innerHTML = <span id="user-response">${input}</span><span class="time">${getCurrentTime()}</span>;

mainDiv.appendChild(userDiv);

let botDiv = document.createElement("div");

botDiv.id = "bot";

botDiv.classList.add("message");

botDiv.innerHTML = <span id="bot-response">${product}</span><span class="time">${getCurrentTime()}</span>;

mainDiv.appendChild(botDiv);

var scroll = document.getElementById("message-section");

scroll.scrollTop = scroll.scrollHeight;

voiceControl(product);

}

function getCurrentTime() {

const now = new Date();

const hours = now.getHours();

const minutes = now.getMinutes();

const time = ${hours < 10 ? "0" + hours : hours}:${minutes < 10 ? "0" + minutes : minutes};

return time;

}