# **Code PHP Snippet:**

function openai\_generate\_recipe() {

 // Get the ingredients from the AJAX request

 $ingredients = $\_POST['prompt'];

 $prompt = "Generate 2 yummy recipes and provide a step-by-step guide on how to cook these. Do not use any other ingredients, for every step also list down the ingredient quantity required" . $ingredients;

 // OpenAI API URL and key

 $api\_url = 'https://api.openai.com/v1/chat/completions';

 $api\_key = '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'; // Replace with your actual OpenAI API key

 // Headers for the OpenAI API

 $headers = [

 'Content-Type' => 'application/json',

 'Authorization' => 'Bearer ' . $api\_key

 ];

 // Body for the OpenAI API

 $body = [

 'model' => 'gpt-3.5-turbo',

 'messages' => [['role' => 'user', 'content' => $prompt]],

 'temperature' => 0.7

 ];

 // Args for the WordPress HTTP API

 $args = [

 'method' => 'POST',

 'headers' => $headers,

 'body' => json\_encode($body),

 'timeout' => 120

 ];

 // Send the request

 $response = wp\_remote\_request($api\_url, $args);

 // Handle the response

 if (is\_wp\_error($response)) {

 $error\_message = $response->get\_error\_message();

 wp\_send\_json\_error("Something went wrong: $error\_message");

 } else {

 $body = wp\_remote\_retrieve\_body($response);

 $data = json\_decode($body, true);

 if (json\_last\_error() !== JSON\_ERROR\_NONE) {

 wp\_send\_json\_error('Invalid JSON in API response');

 } elseif (!isset($data['choices'])) {

 wp\_send\_json\_error('API request failed. Response: ' . $body);

 } else {

 wp\_send\_json\_success($data);

 }

 }

 // Always die in functions echoing AJAX content

 wp\_die();

}

add\_action('wp\_ajax\_openai\_generate\_recipe', 'openai\_generate\_recipe');

add\_action('wp\_ajax\_nopriv\_openai\_generate\_recipe', 'openai\_generate\_recipe');

# **HTML & Java Script**

<div id="recipe-generation-tool">

 <br>

 <input type="text" id="Type Your Ingredients" placeholder="Ingredients...">

 <br>

 <br>

 <button id="generate-button">Generate Recipe!</button>

 <div id="result-container" style="display: none;">

 <div class="result-wrapper">

 <div class="result-content">

 <textarea id="result" readonly></textarea>

 </div>

 <div class="copy-button-container">

 <button id="copy-button">Copy</button>

 </div>

 </div>

 </div>

 <div id="loading" class="loader" style="display: none;"></div>

</div>

<style>

 /\* Basic styles for the recipe generation tool \*/

 #recipe-generation-tool {

 width: 100%;

height: 400px;

 max-width: 600px;

 margin: 0 auto;

 font-family: Arial, sans-serif;

 }

 #recipe{

 width: 200%;

 padding: 20px;

 margin-bottom: 20px;

 font-size: 16px;

 border-radius: 9px;

 border: 2px solid #fff;

 }

 #generate-button {

 display: block;

 width: 100%;

 padding: 15px;

 margin-bottom: 20px;

 font-size: 16px;

 border: none;

 border-radius: 5px;

 color: #fff;

 background-color: #000000;

 cursor: pointer;

 transition: background-color 0.3s ease;

 }

 #generate-button:hover {

 background-color: #2980b9;

 }

 #result-container {

 display: none;

 margin-bottom: 20px;

 }

 .result-wrapper {

 position: relative;

 overflow: hidden;

 }

 .result-content {

 display: flex;

 }

 #result {

 flex: 1;

 height: 400px;

 padding: 15px;

 font-size: 16px;

 border-radius: 5px;

 border: 1px solid #ddd;

 background-color: #f9f9f9;

 }

 .copy-button-container {

 margin-top: 10px;

 text-align: right;

 }

 #copy-button {

 padding: 8px 12px;

 font-size: 14px;

 border: none;

 border-radius: 5px;

 color: #fff;

 background-color: #3498db;

 cursor: pointer;

 transition: background-color 0.3s ease;

 }

 #copy-button:hover {

 background-color: #2980b9;

 }

 /\* CSS for the loader \*/

 .loader {

 display: block;

 margin: 50px auto;

 border: 16px solid #f3f3f3; /\* Light grey \*/

 border-top: 16px solid #3498db; /\* Blue \*/

 border-radius: 50%;

 width: 50px;

 height: 50px;

 animation: spin 1s linear infinite;

 }

 @keyframes spin {

 0% { transform: rotate(0deg); }

 100% { transform: rotate(360deg); }

 }

</style>

<script>

 document.getElementById("generate-button").addEventListener("click", function(e){

 e.preventDefault();

 var generateButton = document.getElementById("generate-button");

 if (generateButton.disabled) {

 return; // Prevent multiple clicks while content is being generated

 }

 generateButton.disabled = true;

 var Ingredients = document.getElementById('Ingredients').value;

 var prompt = "Generate 2 yummy recipes and provide a step-by-step guide on how to cook these. Do not use any other ingredients, for every step also list down the ingredient quantity required " + ingredients;

 var loading = document.getElementById('loading');

 var result = document.getElementById('result');

 var resultC = document.getElementById('result-container');

 loading.style.display = 'block';

 result.style.display = 'none'; // hide result textarea

 resultC.style.display = 'none';

 var formData = new FormData();

 formData.append('action', 'openai\_generate\_recipe');

 formData.append('prompt', prompt);

 fetch('/wp-admin/admin-ajax.php', {

 method: 'POST',

 body: formData

 })

 .then(response => response.json())

 .then(data => {

 loading.style.display = 'none';

 if(data.success) {

 result.value = data.data.choices[0].message.content;

 result.style.display = 'block'; // show result textarea

 resultC.style.display = 'block';

 generateButton.disabled = false;

 } else {

 result.value = 'An error occurred: ' + data.data;

 result.style.display = 'block'; // show result textarea

 resultC.style.display = 'block';

 generateButton.disabled = false;

 }

 })

 .catch(error => {

 loading.style.display = 'none';

 result.value = 'An error occurred: ' + error.message;

 result.style.display = 'block'; // show result textarea

 resultC.style.display = 'block';

 generateButton.disabled = false;

 });

 });

 var copyButton = document.getElementById('copy-button');

 copyButton.addEventListener('click', function() {

 var result = document.getElementById('result');

 result.select();

 document.execCommand('copy');

 alert('Copied to clipboard!');

 });

</script>