# **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>