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define('CUSTOM_API_KEY', 'xxxxxxxxxxxx'); // Replace with your actual API key

function register_youtube_transcript_endpoint() {
    register_rest_route('custom-api/v1', '/transcript', array(
        'methods' => 'GET',
        'callback' => 'get_youtube_transcript_callback',
        'permission_callback' => '__return_true', // Important: Implement proper authentication for
production!
        'args' => array(
            'video_id' => array(
                'validate_callback' => function($param, $request, $key) {
                    return is_string($param);
                },
                'required' => true,
            ),
        ),
    ));
}

add_action('rest_api_init', 'register_youtube_transcript_endpoint');

function get_youtube_transcript_callback(WP_REST_Request $request) {
    $api_key = $request->get_header('x-api-key');

    if ($api_key !== CUSTOM_API_KEY) {
        return new WP_REST_Response(array(
            'message' => 'Unauthorized access. Invalid API key.',
        ), 401);
    }

    $video_id = $request->get_param('video_id');

    if (empty($video_id)) {
        return new WP_REST_Response(array(
            'message' => 'Video ID is required.',
        ), 400);
    }

    // Make the external API call to fetch the transcript
    $searchapi_api_key = 'xxxxxxxxxxxxxxxxxj'; // Replace with your SearchAPI.io API key
    $api_url = "https://www.searchapi.io/api/v1/search?api_key=" .
urlencode($searchapi_api_key) . "&engine=youtube_transcripts&video_id=" .
urlencode($video_id);

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$response = wp_remote_get($api_url);

if (is_wp_error($response)) {
    return new WP_REST_Response(array(
        'message' => 'Error fetching transcript from external API.',
        'error' => $response->get_error_message(),
    ), 500);
}

$response_body = wp_remote_retrieve_body($response);
$data = json_decode($response_body, true);

if (empty($data) || !isset($data['transcript']) || isset($data['error'])) { // Check for 'transcript' key
    return new WP_REST_Response(array(
        'message' => 'Failed to retrieve transcript from external API.',
        'error' => isset($data['error']) ? $data['error'] : 'Transcript not found in response',
        'raw_response' => $data, // Include the raw response for debugging
    ), 500);
}

// Return the transcript
return new WP_REST_Response(array(
    'message' => 'Transcript retrieved successfully.',
    'transcript' => $data['transcript'], // Access the transcript specifically
), 200);
}

```