

user_data.sh

```
1  #!/bin/bash
2  sudo su
3  apt-get update -y
4  apt-get install -y apache2 php8.1 php8.1-mysql
5
6  # Start and enable Apache2
7  systemctl start apache2
8  systemctl enable apache2
9
10 # Allow incoming HTTP traffic on port 80
11 firewall-cmd --zone=public --permanent --add-service=http
12 firewall-cmd --reload
13
14 # Create a PHP info file
15 echo "<?php phpinfo(); ?>" > /var/www/html/info.php
16
17 # Create a database config file
18 echo '<?php
19 // Database configuration
20 $db_host = "database-1.cxspraprlfyf.us-east-1.rds.amazonaws.com";
21 $db_name = "project01";
22 $db_user = "admin";
23 $db_pass = "Simplilearn$123";
24 $db_table = "employees";
25 ?>' > /var/www/html/config.php
26
27 # Create a get_data.php file to fetch data from database table
28 echo '<?php
29
30 // Database configuration
31 include("config.php");
32
33 // Create a new database connection
34 $mysqli = new mysqli($db_host, $db_user, $db_pass, $db_name);
35
36 // Check for connection errors
37 if ($mysqli->connect_error) {
38     die("Connection Error: " . $mysqli->connect_error);
39 }
40
41 // Prepare the SELECT statement
42 $stmt = $mysqli->prepare("SELECT id, name, address, createdOn FROM $db_table order by id
43 desc");
44
45 // Execute the statement
46 $stmt->execute();
47
48 // Bind the result variables
49 $stmt->bind_result($id, $name, $address, $createdOn);
50
51 // Create an array to store the fetched data
52 $data = array();
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53 // Start building the HTML table
54 $table_html = "<table border class=\"min-w-full text-center text-sm font-bold\">
55     <thead class=\"border-b bg-gray-800 font-medium text-white dark:border-gray-
56     500 dark:bg-gray-900\">
57         <tr>
58             <th scope=\"col\" class=\"px-6 py-2\">ID</th>
59             <th scope=\"col\" class=\"px-6 py-2\">Name</th>
60             <th scope=\"col\" class=\"px-6 py-2\">Address</th>
61             <th scope=\"col\" class=\"px-6 py-2\">CreatedOn</th>
62         </tr>
63     </thead>
64 ";
65 // Fetch the rows and populate the data array
66 while ($stmt->fetch()) {
67     $data[] = array(
68         "id" => $id,
69         "name" => $name,
70         "address" => $address,
71         "createdOn" => $address
72     );
73
74     $table_html .= "<tr class=\"border\">
75         <td scope=\"col\" class=\"px-6 py-2\">" . $id . "</td>
76         <td scope=\"col\" class=\"text-left px-6 py-2\">" . $name . "</td>
77         <td scope=\"col\" class=\"text-left px-6 py-2\">" . $address . "</td>
78         <td scope=\"col\" class=\"px-6 py-2\">" . $createdOn . "</td>
79     </tr>";
80 }
81
82 if(sizeof($data) === 0) {
83     $table_html .= "<tr class=\"border\">
84         <td scope=\"col\" class=\"px-6 py-2\" colspan=4> NO RECORDS FOUND
85     YET.</td>
86     </tr>";
87 }
88 // Finish building the HTML table
89 $table_html .= "</table>";
90
91 // Close the statement
92 $stmt->close();
93
94 if(isset($_GET["mode"]) && $_GET["mode"] === "api") {
95     // Return the data in JSON format
96     header("Content-Type: application/json");
97     echo json_encode($data);
98 } else {
99     // Output the table HTML
100     echo $table_html;
101 }
102
103 ?>' > /var/www/html/get_data.php
104
105 # Create a save_data.php script file to store data in database
106 echo '<?php
107 ini_set("display_errors", 1);

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107 ini_set("display_startup_errors", 1);
108 error_reporting(E_ALL);
109 // Database configuration
110 include("config.php");
111
112 // Create a new database connection
113 $mysqli = new mysqli($db_host, $db_user, $db_pass, $db_name);
114
115 // Check for connection errors
116 if ($mysqli->connect_error) {
117     die("Connection Error: " . $mysqli->connect_error);
118 }
119
120 try {
121     // Check if the form was submitted
122     if ($_SERVER["REQUEST_METHOD"] === "POST") {
123         // Retrieve the data from the POST request
124         $name = $_POST["name"];
125         $address = $_POST["address"];
126
127         // Prepare the INSERT statement
128         $stmt = $mysqli->prepare("INSERT INTO $db_table (name, address) VALUES (?, ?)");
129         $stmt->bind_param("ss", $name, $address);
130
131         // Execute the statement
132         header("Content-Type: application/json");
133         if ($stmt->execute()) {
134             echo "Data added successfully.";
135         } else {
136             echo "Error adding data.";
137         }
138
139         // Close the statement
140         $stmt->close();
141     }
142
143     // Close the database connection
144     $mysqli->close();
145 } catch (\Throwable $th) {
146     throw $th;
147 }
148
149 ?>' > /var/www/html/save_data.php
150
151
152
153 # Create a index.html file to submit and preview the submitted data
154 echo '<!DOCTYPE html>
155 <html>
156 <head>
157     <title>Project 01</title>
158     <link href="https://cdn.jsdelivr.net/npm/tailwindcss@2.2.19/dist/tailwind.min.css"
159     rel="stylesheet">
160     <style>
161         .container {
162             max-width: 640px;

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162     margin: 0 auto;
163 }
164 </style>
165 </head>
166 <body>
167     <div class="container">
168         <h1 class="text-2xl font-bold mt-4 mb-8">Add Your Data:</h1>
169
170         <form id="dataForm" class="flex items-end justify-center gap-4">
171             <div>
172                 <label for="name" class="block">Name:</label>
173                 <input type="text" id="name" name="name" required class="border border-gray-300
rounded px-4 py-2">
174             </div>
175
176             <div>
177                 <label for="address" class="block">Address:</label>
178                 <input type="text" id="address" name="address" required class="border border-gray-300
rounded px-4 py-2">
179             </div>
180
181             <button type="submit" class="bg-blue-500 hover:bg-blue-700 text-white font-bold py-2
px-4 rounded">Add Data</button>
182         </form>
183         <hr class="my-8">
184         <h2 class="text-xl font-bold mt-4">Employees Data:</h2>
185         <div id="dataTable"></div>
186     </div>
187
188     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
189     <script>
190         $(document).ready(function() {
191             var baseURL = "";
192             // Function to handle form submission
193             $("#dataForm").submit(function(event) {
194                 event.preventDefault();
195
196                 var name = $("#name").val();
197                 var address = $("#address").val();
198
199                 // AJAX request to save data to the database
200                 $.ajax({
201                     url: baseURL + "save_data.php",
202                     type: "POST",
203                     data: {
204                         name: name,
205                         address: address
206                     },
207                     complete: function (response) {
208                         // Clear the form inputs
209                         $("#name").val("");
210                         $("#address").val("");
211                         alert(response.responseText);
212                         // Refresh the data table
213                         loadData();
214                     }
215                 });

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216     });
217
218     // Function to load data from the database
219     function loadData() {
220         $.ajax({
221             url: baseUrl + "get_data.php",
222             type: "GET",
223             success: function(response) {
224                 $("#dataTable").html(response);
225             }
226         });
227     }
228
229     // Load initial data on page load
230     loadData();
231 });
232 </script>
233 </body>
234 </html>' > /var/www/html/index.php
235
236 chown -R ubuntu:www-data /var/www
237 find /var/www -type d -exec chmod 2750 {} \+
238 find /var/www -type f -exec chmod 640 {} \+
239
240 # Restart Apache2 to apply changes
241 systemctl restart apache2
242
```