

**UNIVERSITI MALAYSIA TERENGGANU**

**CSM3103 – FRONT-END PROGRAMMING**

**BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING) WITH HONORS**

**LAB 6**

**SEMESTER II 2023/2024**

**Prepared for:**

DR RABIEI BIN MAMAT

**Prepared by:**

AHMAD SHAZRUL IZZUAN BIN AHMAD FITIRI @ FITRI

(S67250)

**Link Github :**

[**https://github.com/Shazrul-Izzuan/S67250\_Lab6Front.git**](https://github.com/Shazrul-Izzuan/S67250_Lab6Front.git)

# Task 1

Code :

<!DOCTYPE html>

<head>

    <title>Task 1</title>

    <body>

        <script type="module">

            // Import the functions you need from the SDKs you need

            import { initializeApp } from "https://www.gstatic.com/firebasejs/10.12.1/firebase-app.js";

            // TODO: Add SDKs for Firebase products that you want to use

            // https://firebase.google.com/docs/web/setup#available-libraries

            // Your web app's Firebase configuration

            const firebaseConfig = {

              apiKey: "AIzaSyBqg261qX3zgEVR9rOzhJfvHqIguxYlBy0",

              authDomain: "lab-6-b3fc3.firebaseapp.com",

              databaseURL: "https://lab-6-b3fc3-default-rtdb.firebaseio.com",

              projectId: "lab-6-b3fc3",

              storageBucket: "lab-6-b3fc3.appspot.com",

              messagingSenderId: "1030180629249",

              appId: "1:1030180629249:web:24957e7d6f26137fa9c900"

            };

            // Initialize Firebase

            const app = initializeApp(firebaseConfig);

          </script>

    </body>

</head>

</html>

# Task 2

Code :

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Firebase Insert and Delete</title>

</head>

<body>

    <h2>Simple Input</h2>

    <div class="row">

        <form id="insertForm">

            <h4>Enter ID</h4><input type="text" id="inputID" name="id" required>

            <h4>Enter Name</h4><input type="text" id="inputName" name="name" required>

            <h4>Enter Age</h4><input type="text" id="inputAge" name="age" required><br>

            <button type="submit">Insert Data</button>

        </form>

    </div>

    <h2>Delete Data</h2>

    <div class="row">

        <form id="deleteForm">

            <h4>Enter ID to Delete</h4><input type="text" id="deleteID" name="id" required><br>

            <button type="submit">Delete Data</button>

        </form>

    </div>

    <script type="module">

        // Import the functions you need from the SDKs you need

        import { initializeApp } from "https://www.gstatic.com/firebasejs/10.12.1/firebase-app.js";

        import { getDatabase, set, ref, remove } from "https://www.gstatic.com/firebasejs/10.12.1/firebase-database.js";

        // Your web app's Firebase configuration

        const firebaseConfig = {

            apiKey: "AIzaSyDRJHP3Hn\_I8csYmvV3s1y38CaLLle6YoY",

            authDomain: "lab-6-task-2-6af0f.firebaseapp.com",

            databaseURL: "https://lab-6-task-2-6af0f-default-rtdb.firebaseio.com",

            projectId: "lab-6-task-2-6af0f",

            storageBucket: "lab-6-task-2-6af0f.appspot.com",

            messagingSenderId: "301491507942",

            appId: "1:301491507942:web:f0f12d883bc92a68512127"

        };

        // Initialize Firebase

        const app = initializeApp(firebaseConfig);

        const db = getDatabase(app);

        // Insert Data

        const insertForm = document.getElementById('insertForm');

        insertForm.addEventListener('submit', function(event) {

            event.preventDefault();

            const id = document.getElementById('inputID').value;

            const name = document.getElementById('inputName').value;

            const age = document.getElementById('inputAge').value;

            set(ref(db, 'people/' + id), {

                name: name,

                ID: id,

                age: age

            })

            .then(() => {

                alert('Data added successfully!');

                insertForm.reset();

            })

            .catch((error) => {

                alert('Error: ' + error);

            });

        });

        // Delete Data

        const deleteForm = document.getElementById('deleteForm');

        deleteForm.addEventListener('submit', function(event) {

            event.preventDefault();

            const id = document.getElementById('deleteID').value;

            remove(ref(db, 'people/' + id))

            .then(() => {

                alert('Data deleted successfully!');

                deleteForm.reset();

            })

            .catch((error) => {

                alert('Error: ' + error);

            });

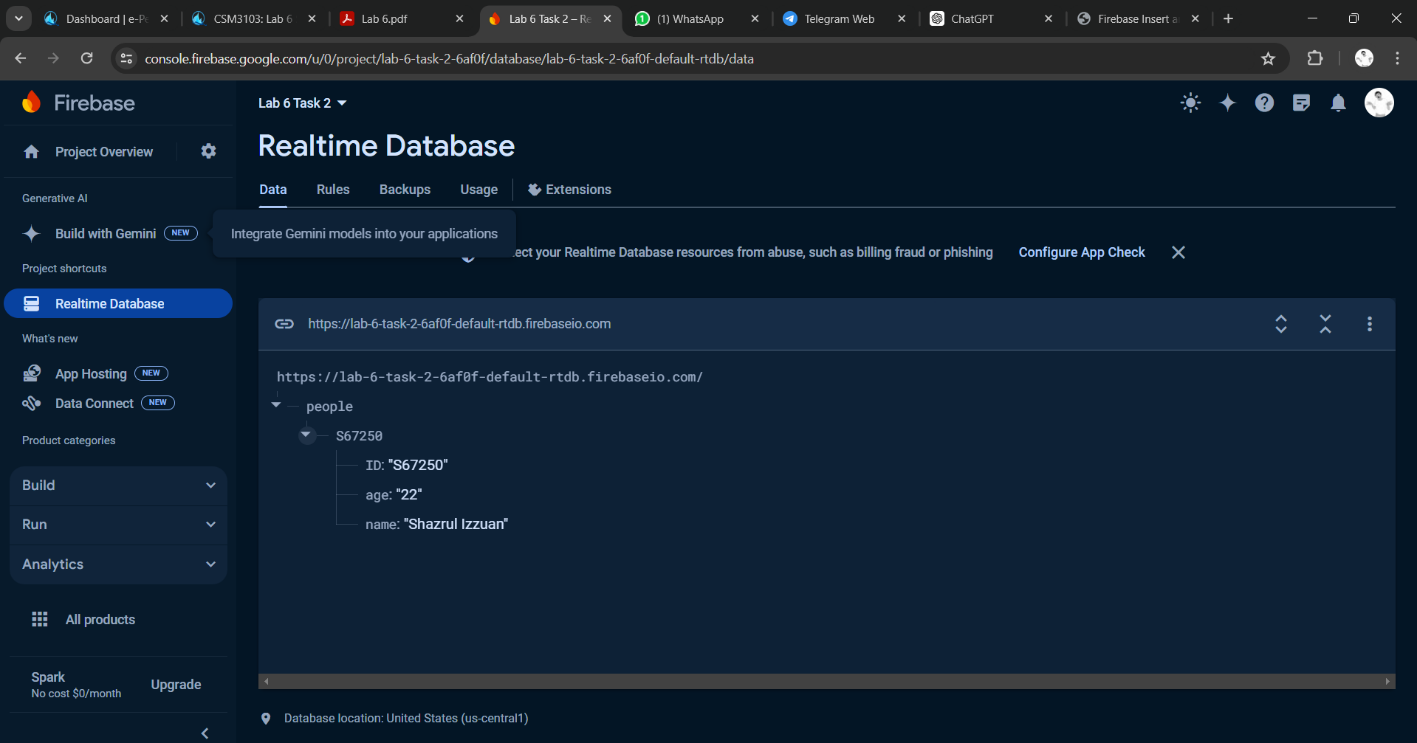
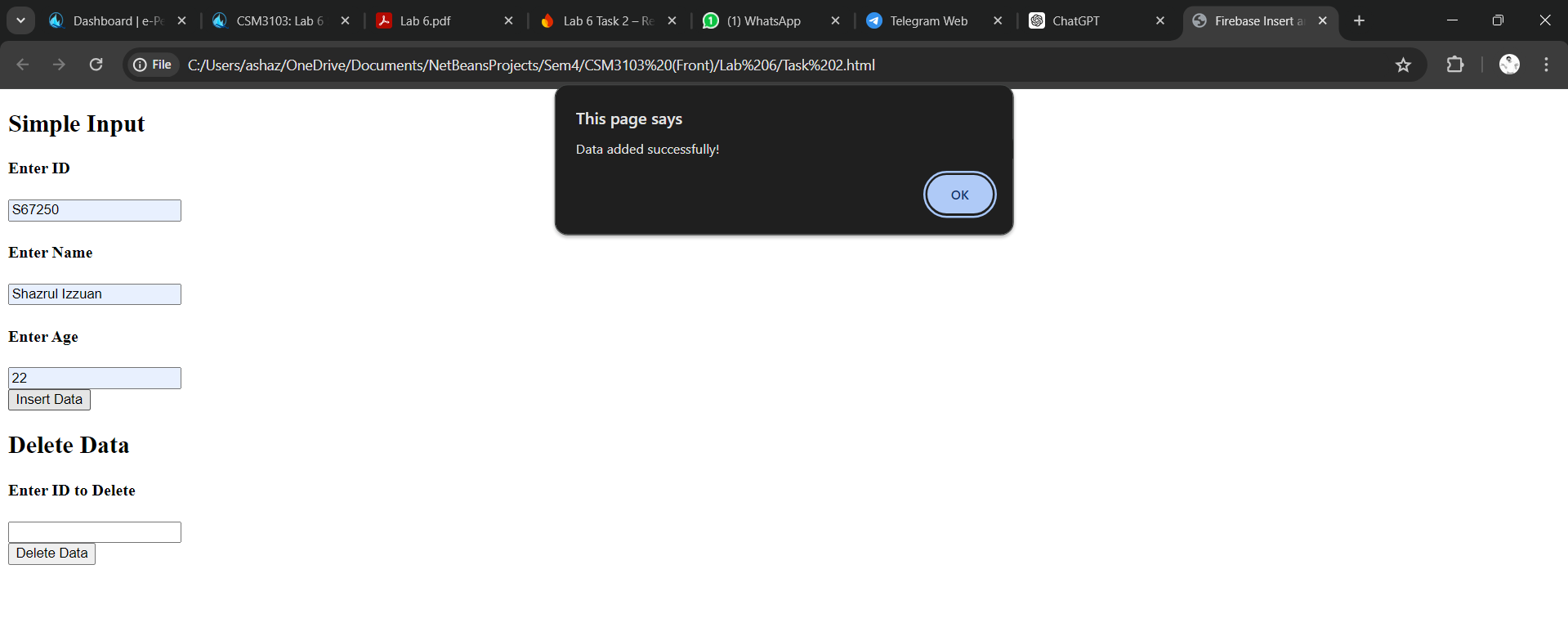
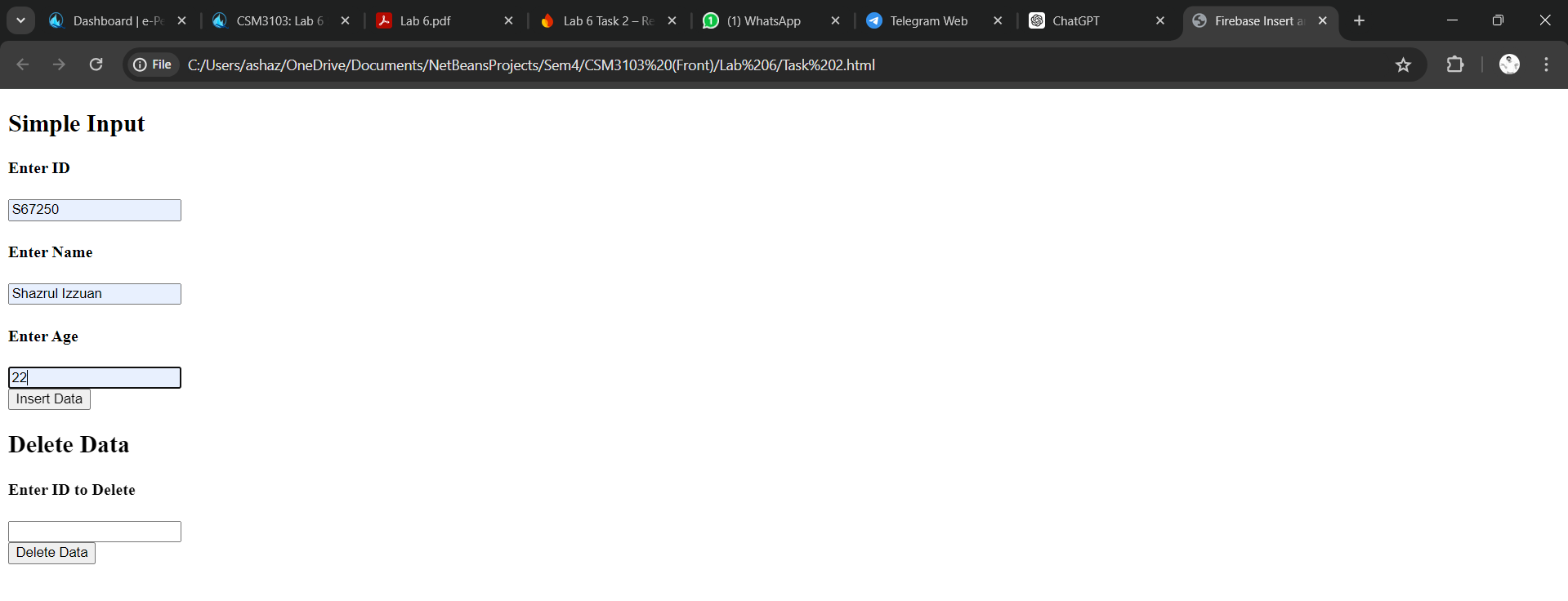
        });

    </script>

</body>

</html>

Output :



# Task 3

Code :

**LOGIN**

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Silylate - Login</title>

</head>

<body>

  <h1>Silylate</h1>

  <fieldset>

    <legend>Login</legend>

    <form id="loginForm">

      <table>

        <tr>

          <td>

            <label for="loginName">Name:</label>

          </td>

          <td>

            <input type="text" id="loginName" name="name" required>

          </td>

        </tr>

        <tr>

          <td>

            <label for="loginPhone">Phone Number:</label>

          </td>

          <td>

            <input type="text" id="loginPhone" name="phone" required>

          </td>

        </tr>

        <tr>

          <td></td>

          <td>

            <button type="submit" id="loginSubmit">Login</button>

            <button type="reset" id="loginReset">Cancel</button>

          </td>

        </tr>

      </table>

    </form>

  </fieldset>

  <script type="module">

    // Import the functions you need from the SDKs you need

    import { initializeApp } from "https://www.gstatic.com/firebasejs/10.12.1/firebase-app.js";

    import { getDatabase, ref, get, child } from "https://www.gstatic.com/firebasejs/10.12.1/firebase-database.js";

    // Your web app's Firebase configuration

    const firebaseConfig = {

      apiKey: "AIzaSyC7Pt3OrOO4bSz4D5oJk22\_kr9nhgmNcoA",

      authDomain: "lab-6-task-3.firebaseapp.com",

      databaseURL: "https://lab-6-task-3-default-rtdb.firebaseio.com",

      projectId: "lab-6-task-3",

      storageBucket: "lab-6-task-3.appspot.com",

      messagingSenderId: "54747174785",

      appId: "1:54747174785:web:e1bc4a3ad0f007bad97a80"

    };

    // Initialize Firebase

    const app = initializeApp(firebaseConfig);

    const db = getDatabase(app);

    document.getElementById('loginForm').addEventListener('submit', function(event) {

      event.preventDefault();

      var lName = document.querySelector("#loginName").value;

      var lPhone = document.querySelector("#loginPhone").value;

      const dbRef = ref(db);

      get(child(dbRef, `carer/${lName}`)).then((snapshot) => {

        if (snapshot.exists()) {

          const carerData = snapshot.val();

          if (carerData.nophone === lPhone) {

            alert("Login successful!");

            window.location.href = 'userList.html'; // Redirect to the user list page

          } else {

            alert("Phone number does not match our records.");

          }

        } else {

          alert("No carer found with that name.");

        }

      }).catch((error) => {

        alert("Error: " + error.message);

      });

    });

  </script>

</body>

</html>

**REGISTER**

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Silylate - Register</title>

</head>

<body>

  <h1>Silylate</h1>

  <fieldset>

    <legend>Registration</legend>

    <form id="registerForm">

      <table>

        <tr>

          <td>

            <label for="name">Name:</label>

          </td>

          <td>

            <input type="text" id="name" name="name" required>

          </td>

        </tr>

        <tr>

          <td>

            <label for="address">Address:</label>

          </td>

          <td>

            <input type="text" id="address" name="address" required>

          </td>

        </tr>

        <tr>

          <td>

            <label for="nophone">Phone Number:</label>

          </td>

          <td>

            <input type="text" id="nophone" name="nophone" required>

          </td>

        </tr>

        <tr>

          <td></td>

          <td>

            <button type="submit" id="submit">Submit</button>

            <button type="reset" id="reset">Cancel</button>

          </td>

        </tr>

      </table>

    </form>

  </fieldset>

  <a href="login.html">Sign in if you already have account</a>

  <script type="module">

    // Import the functions you need from the SDKs you need

    import { initializeApp } from "https://www.gstatic.com/firebasejs/10.12.1/firebase-app.js";

    import { getDatabase, ref, set } from "https://www.gstatic.com/firebasejs/10.12.1/firebase-database.js";

    // Your web app's Firebase configuration

    const firebaseConfig = {

      apiKey: "AIzaSyC7Pt3OrOO4bSz4D5oJk22\_kr9nhgmNcoA",

      authDomain: "lab-6-task-3.firebaseapp.com",

      databaseURL: "https://lab-6-task-3-default-rtdb.firebaseio.com",

      projectId: "lab-6-task-3",

      storageBucket: "lab-6-task-3.appspot.com",

      messagingSenderId: "54747174785",

      appId: "1:54747174785:web:e1bc4a3ad0f007bad97a80"

    };

    // Initialize Firebase

    const app = initializeApp(firebaseConfig);

    const db = getDatabase(app);

    document.getElementById('registerForm').addEventListener('submit', function(event) {

      event.preventDefault();

      var cName = document.querySelector("#name").value;

      var cAddress = document.querySelector("#address").value;

      var cNophone = document.querySelector("#nophone").value;

      set(ref(db, "carer/" + cName), {

        name: cName,

        address: cAddress,

        nophone: cNophone

      })

      .then(() => {

        alert("Data added successfully!");

        window.location.href = 'login.html'; // Redirect to the login page after registration

      })

      .catch((error) => {

        alert("Error: " + error.message);

      });

    });

  </script>

</body>

</html>

**USER LIST**

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Silylate - User List</title>

  <style>

    table {

      width: 100%;

      border-collapse: collapse;

    }

    table, th, td {

      border: 1px solid black;

    }

    th, td {

      padding: 15px;

      text-align: left;

    }

    th {

      background-color: #f2f2f2;

    }

    #addUserButton {

      margin: 20px 0;

      padding: 10px 20px;

      font-size: 16px;

      background-color: #4CAF50;

      color: white;

      border: none;

      cursor: pointer;

    }

    #addUserButton:hover {

      background-color: #45a049;

    }

  </style>

</head>

<body>

  <h1>User List</h1>

  <button id="addUserButton">+ Add New User</button>

  <table>

    <thead>

      <tr>

        <th>Name</th>

        <th>Address</th>

        <th>Phone Number</th>

      </tr>

    </thead>

    <tbody id="userTableBody">

      <!-- User data will be appended here -->

    </tbody>

  </table>

  <script type="module">

    // Import the functions you need from the SDKs you need

    import { initializeApp } from "https://www.gstatic.com/firebasejs/10.12.1/firebase-app.js";

    import { getDatabase, ref, get, child } from "https://www.gstatic.com/firebasejs/10.12.1/firebase-database.js";

    // Your web app's Firebase configuration

    const firebaseConfig = {

      apiKey: "AIzaSyC7Pt3OrOO4bSz4D5oJk22\_kr9nhgmNcoA",

      authDomain: "lab-6-task-3.firebaseapp.com",

      databaseURL: "https://lab-6-task-3-default-rtdb.firebaseio.com",

      projectId: "lab-6-task-3",

      storageBucket: "lab-6-task-3.appspot.com",

      messagingSenderId: "54747174785",

      appId: "1:54747174785:web:e1bc4a3ad0f007bad97a80"

    };

    // Initialize Firebase

    const app = initializeApp(firebaseConfig);

    const db = getDatabase(app);

    // Function to fetch and display users

    function displayUsers() {

      const dbRef = ref(db);

      get(child(dbRef, 'carer')).then((snapshot) => {

        if (snapshot.exists()) {

          const carers = snapshot.val();

          const userTableBody = document.getElementById('userTableBody');

          userTableBody.innerHTML = ''; // Clear the table body

          for (const key in carers) {

            if (carers.hasOwnProperty(key)) {

              const user = carers[key];

              const row = document.createElement('tr');

              row.innerHTML = `

                <td>${user.name}</td>

                <td>${user.address}</td>

                <td>${user.nophone}</td>

              `;

              userTableBody.appendChild(row);

            }

          }

        } else {

          alert("No data available");

        }

      }).catch((error) => {

        alert("Error: " + error.message);

      });

    }

    // Call the function to display users

    displayUsers();

    // Add event listener to the add user button

    document.getElementById('addUserButton').addEventListener('click', function() {

      window.location.href = 'register.html'; // Redirect to the registration page

    });

  </script>

</body>

</html>

Output :

