A logo of a university

Description automatically generated

**UNIVERSITI MALAYSIA TERENGGANU**

**Faculty Of Computer Sciences and Mathematics**

**Front End Programming**

**CSM3103**

Lab Report 6

**Prepared by:**

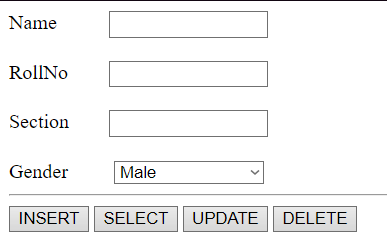
Muhammad Imran Bin Abd Hamid (S66803)

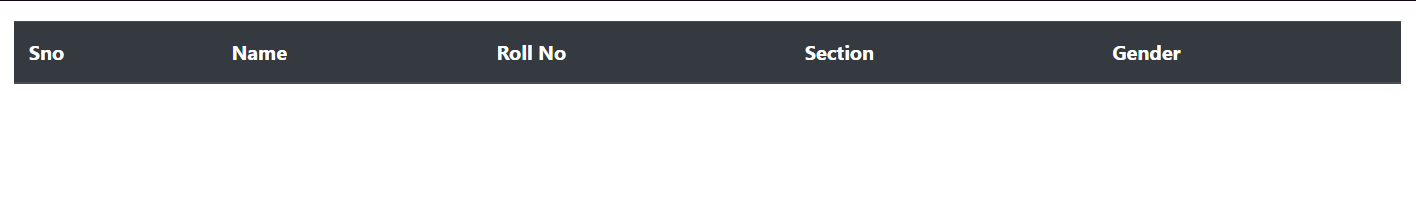
Bachelor of Computer Science (Mobile Computing) with Honors.

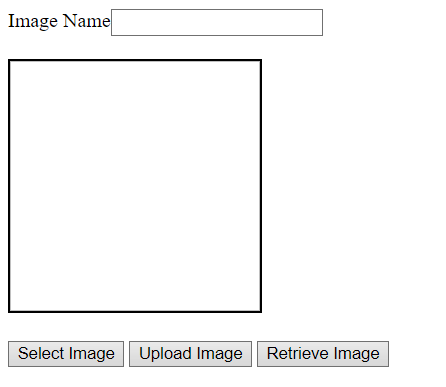
Sem 2 2023/2024

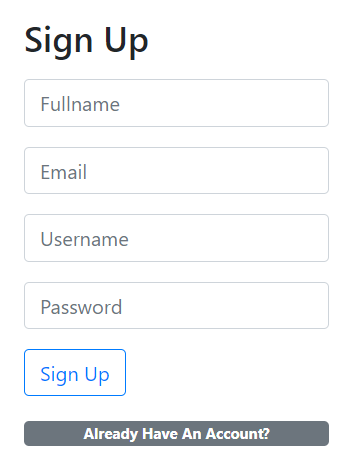
YT tutorial:

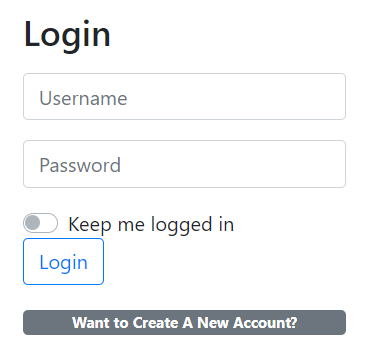
Output:

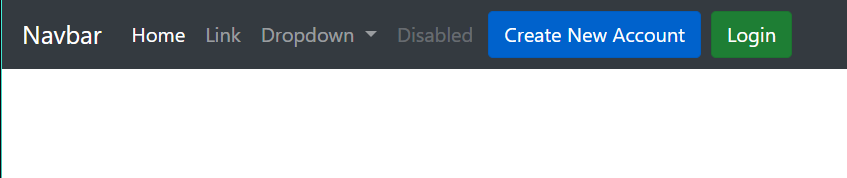


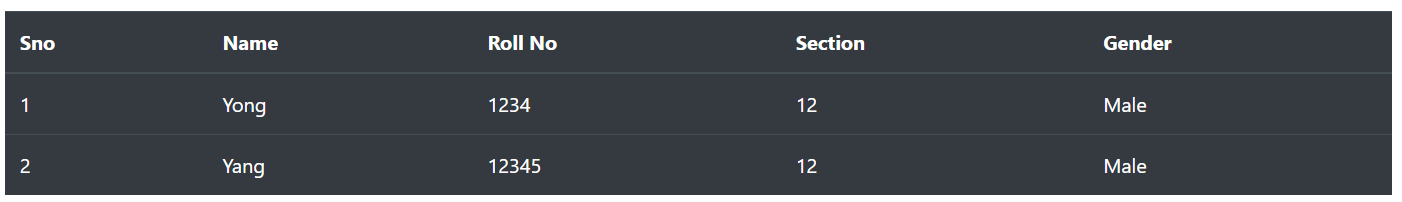


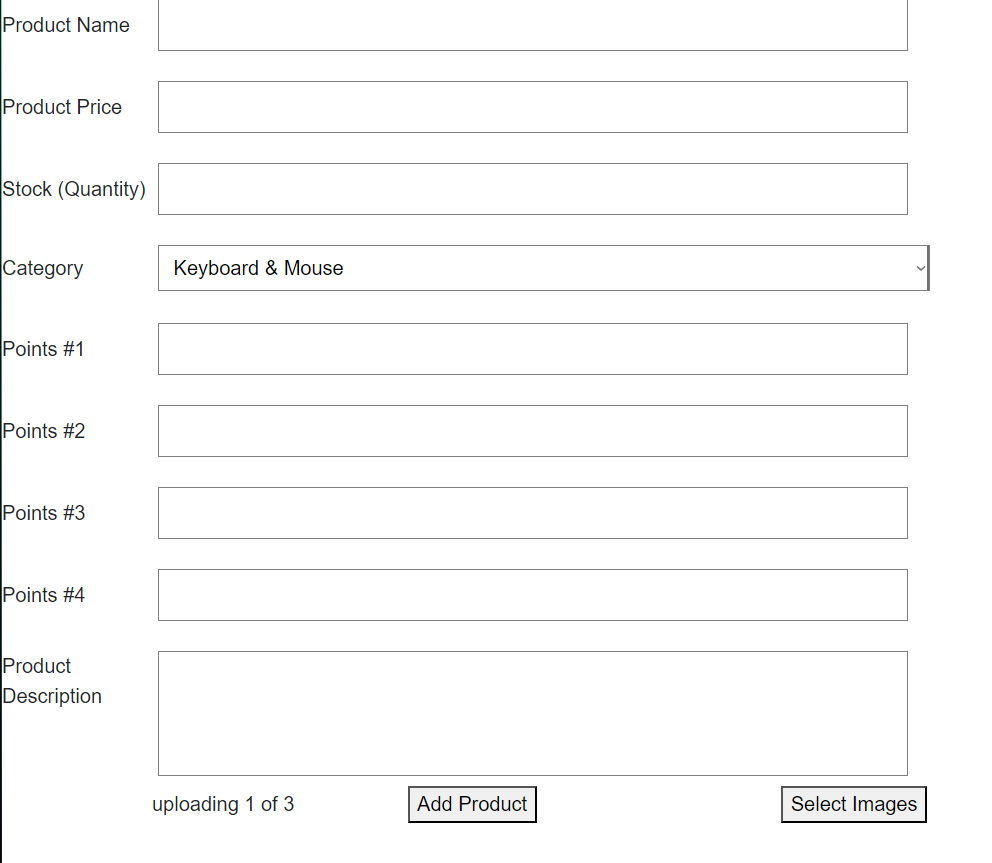










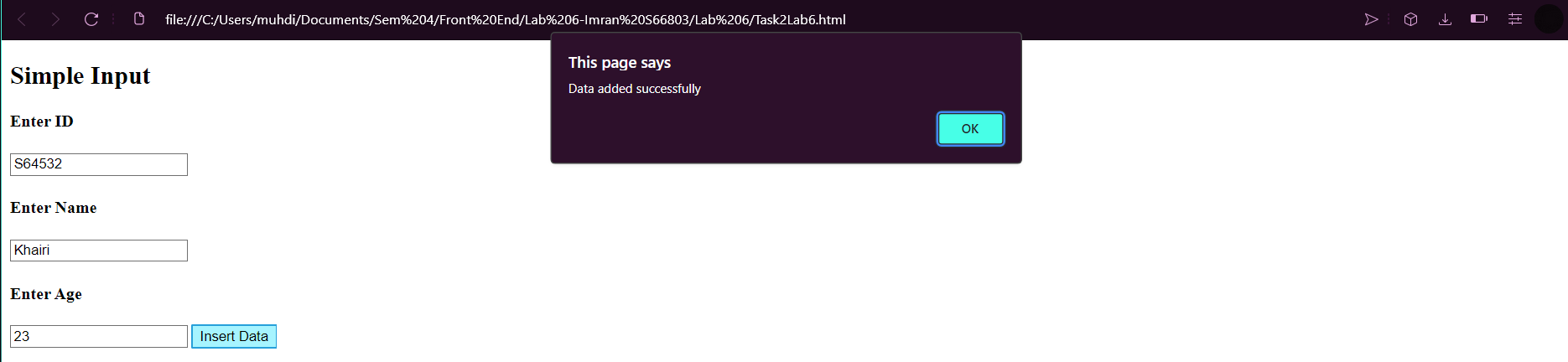


Task 2:

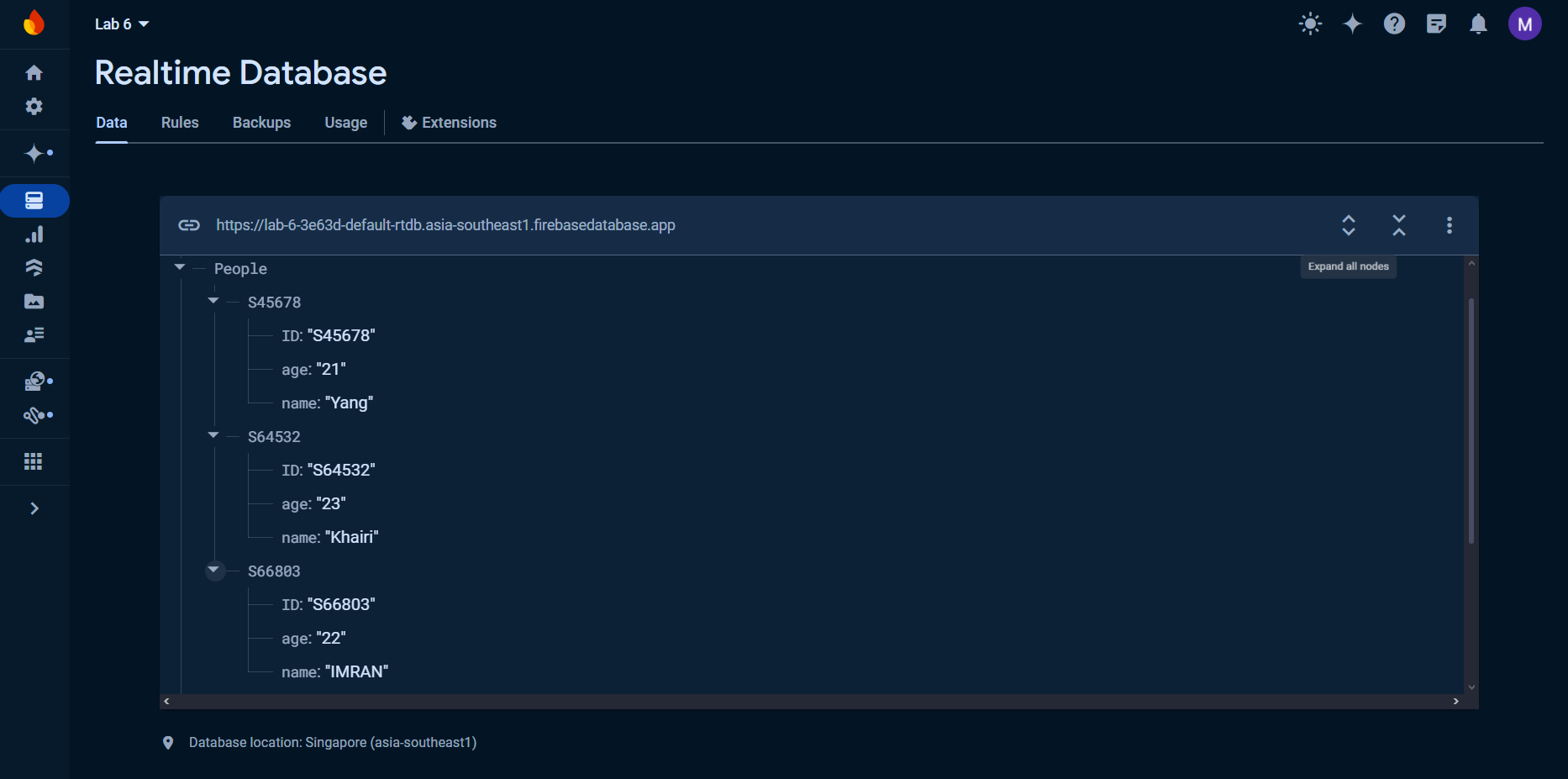
Code:

|  |
| --- |
| <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>Lab 6</title>  </head>  <body>  <h2>Simple Input</h2>  <div class="row">  <h4>Enter ID</h4><input type="text" id="inputID">  <h4>Enter Name</h4><input type="text" id="inputName">  <h4>Enter Age</h4><input type="number" id="inputAge">  <button id="btnInsert">Insert Data</button>  </div>  <script type="module">  //Firebase code  // Import the functions you need from the SDKs you need  import { initializeApp } from "https://www.gstatic.com/firebasejs/10.11.1/firebase-app.js";  import { getAnalytics } from "https://www.gstatic.com/firebasejs/10.11.1/firebase-analytics.js";  import { getDatabase, ref, set } from "https://www.gstatic.com/firebasejs/10.11.1/firebase-database.js";  // Your web app's Firebase configuration  // For Firebase JS SDK v7.20.0 and later, measurementId is optional  const firebaseConfig = {  apiKey: "AIzaSyCDs2oFuCOtecjEiZ\_F5gf2UZgN554T4SE",  authDomain: "lab-6-3e63d.firebaseapp.com",  databaseURL: "https://lab-6-3e63d-default-rtdb.asia-southeast1.firebasedatabase.app",  projectId: "lab-6-3e63d",  storageBucket: "lab-6-3e63d.appspot.com",  messagingSenderId: "1041402007751",  appId: "1:1041402007751:web:c437b89600a6c01e4f6ee2",  measurementId: "G-T2BD64K7F6"  };  // Initialize Firebase  const app = initializeApp(firebaseConfig);  const analytics = getAnalytics(app);  //Create the holder for the database using the imported method getDatabase()  const db = getDatabase();  //Retrieve the object from html into the JavaScript  var inputID = document.querySelector("#inputID");  var inputName = document.querySelector("#inputName");  var inputAge = document.querySelector("#inputAge");  var btnInsert = document.querySelector("#btnInsert");  //Add a listener for a click event on btnInsert  btnInsert.addEventListener("click", funInsertData);  //Add the function funInsertData with the following code  function funInsertData() {  set(ref(db, "People/" + inputID.value), {  name: inputName.value,  ID: inputID.value,  age: inputAge.value  })  .then(() => {  alert("Data added successfully");  })  .catch((error) => {  alert(error);  });  }  </script>  </body>  </html> |

Output:



Firebase:



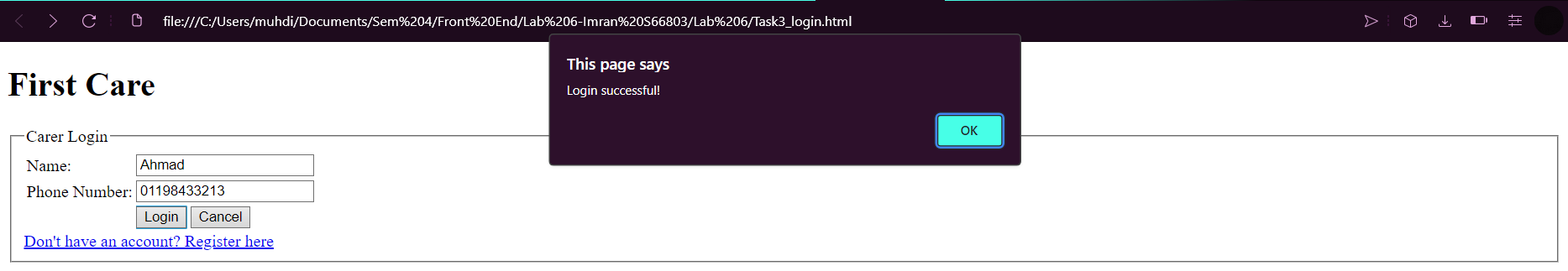
Task 3

**Login**

Code:

|  |
| --- |
| <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>First Care - Login</title>  </head>  <body>  <h1>First Care</h1>  <fieldset>  <legend>Carer 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>  <a href="register.html">Don't have an account? Register here</a>  </fieldset>  <script type="module">  import { initializeApp } from "https://www.gstatic.com/firebasejs/10.11.1/firebase-app.js";  import { getDatabase, ref, get, child } from "https://www.gstatic.com/firebasejs/10.11.1/firebase-database.js";  const firebaseConfig = {  apiKey: "AIzaSyCDs2oFuCOtecjEiZ\_F5gf2UZgN554T4SE",  authDomain: "lab-6-3e63d.firebaseapp.com",  databaseURL: "https://lab-6-3e63d-default-rtdb.asia-southeast1.firebasedatabase.app",  projectId: "lab-6-3e63d",  storageBucket: "lab-6-3e63d.appspot.com",  messagingSenderId: "1041402007751",  appId: "1:1041402007751:web:c437b89600a6c01e4f6ee2",  measurementId: "G-T2BD64K7F6"  };  const app = initializeApp(firebaseConfig);  const db = getDatabase(app);  document.getElementById('loginForm').addEventListener('submit', function(event) {  event.preventDefault();  const lName = document.querySelector("#loginName").value;  const 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';  } 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> |

Output:

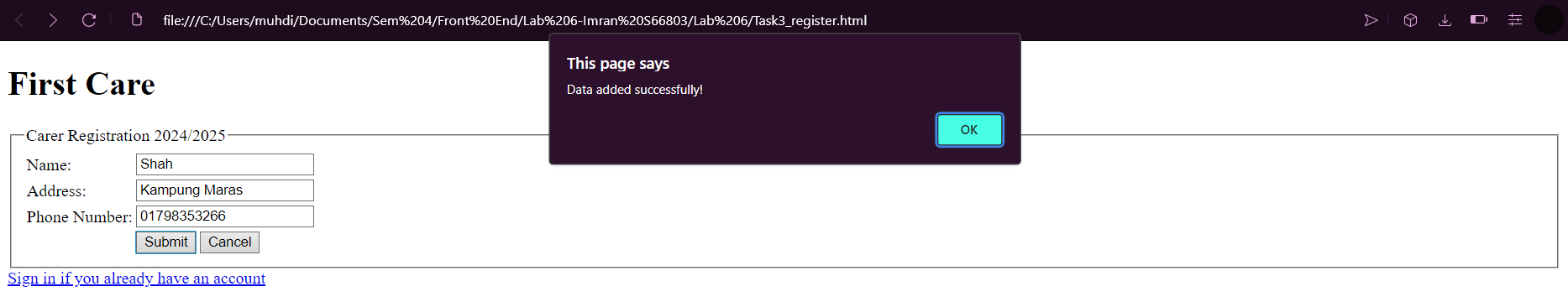


**Register**

Code:

|  |
| --- |
| <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>First Care</title>  </head>  <body>  <h1>First Care</h1>  <fieldset>  <legend>Carer Registration 2024/2025</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 an account</a>  <script type="module">  import { initializeApp } from "https://www.gstatic.com/firebasejs/10.11.1/firebase-app.js";  import { getDatabase, set, ref } from "https://www.gstatic.com/firebasejs/10.11.1/firebase-database.js";  const firebaseConfig = {  apiKey: "AIzaSyCDs2oFuCOtecjEiZ\_F5gf2UZgN554T4SE",  authDomain: "lab-6-3e63d.firebaseapp.com",  databaseURL: "https://lab-6-3e63d-default-rtdb.asia-southeast1.firebasedatabase.app",  projectId: "lab-6-3e63d",  storageBucket: "lab-6-3e63d.appspot.com",  messagingSenderId: "1041402007751",  appId: "1:1041402007751:web:c437b89600a6c01e4f6ee2",  measurementId: "G-T2BD64K7F6"  };  const app = initializeApp(firebaseConfig);  const db = getDatabase(app);  document.getElementById('registerForm').addEventListener('submit', function(event) {  event.preventDefault();  const cName = document.querySelector("#name").value;  const cAddress = document.querySelector("#address").value;  const 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';  })  .catch((error) => {  alert("Error: " + error.message);  });  });  </script>  </body>  </html> |

Output:

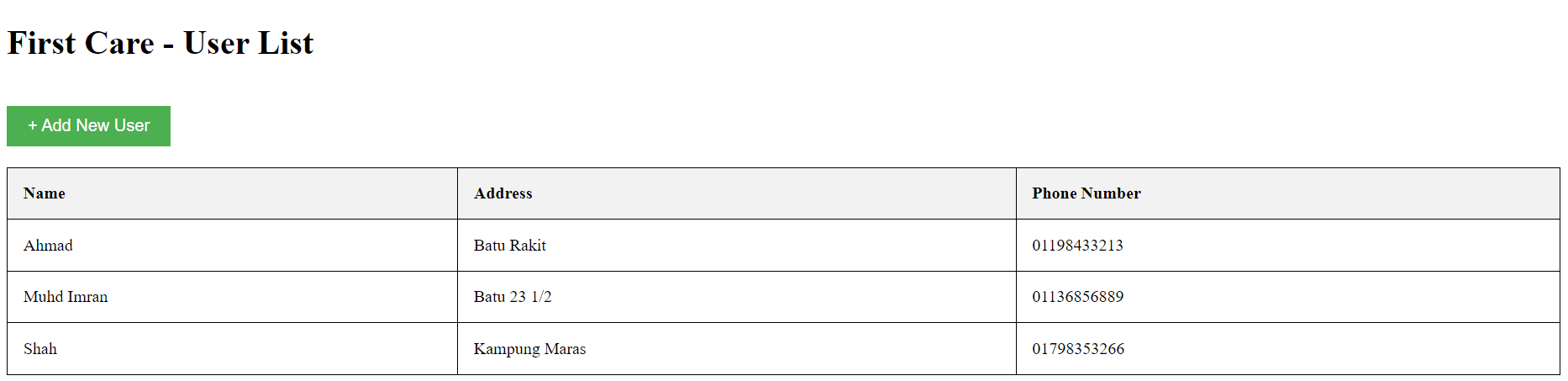


**User List**

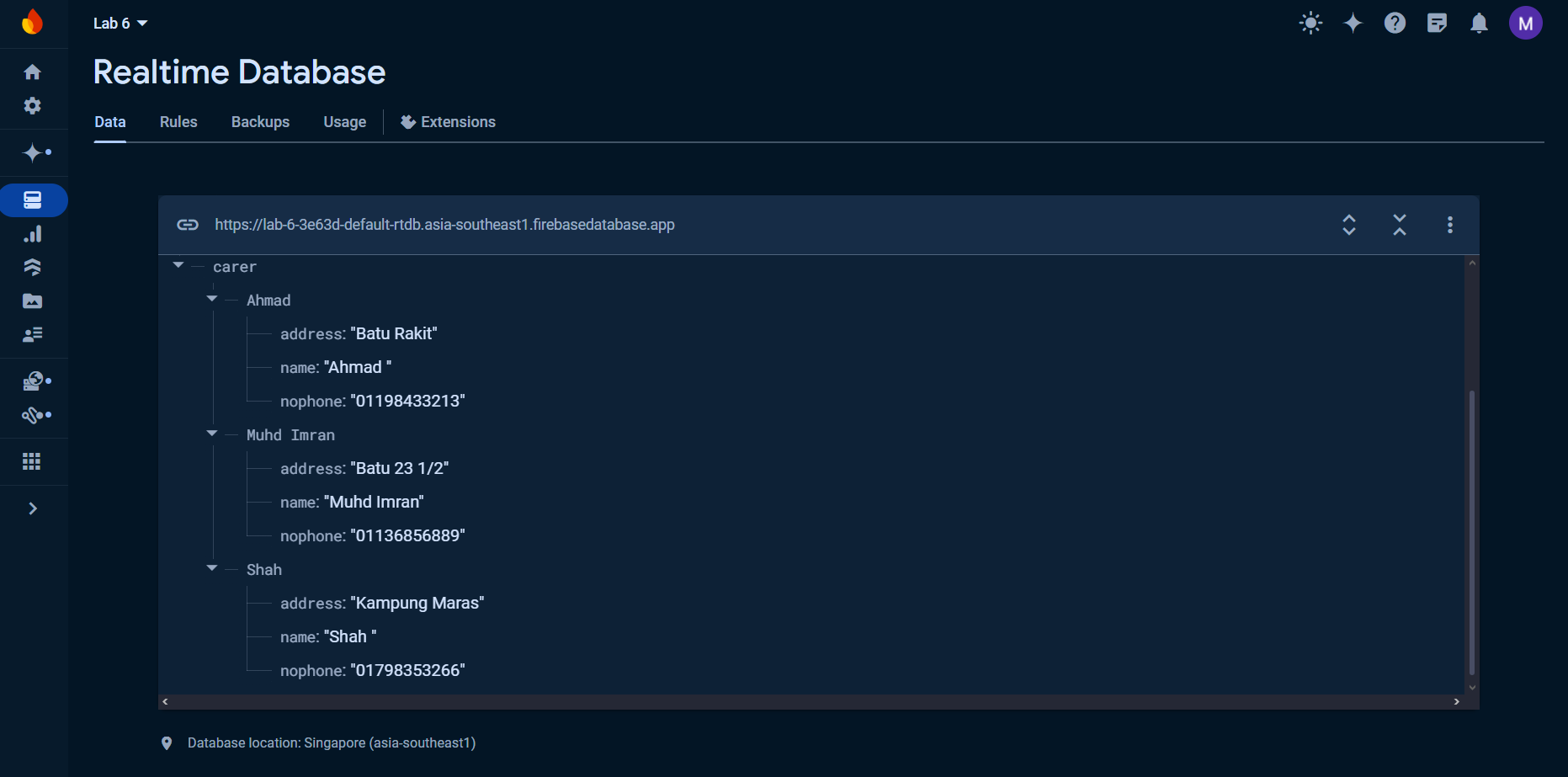
Code:

|  |
| --- |
| <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>First Care - 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>First Care - 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 { initializeApp } from "https://www.gstatic.com/firebasejs/10.11.1/firebase-app.js";  import { getDatabase, ref, get, child } from "https://www.gstatic.com/firebasejs/10.11.1/firebase-database.js";  const firebaseConfig = {  apiKey: "AIzaSyCDs2oFuCOtecjEiZ\_F5gf2UZgN554T4SE",  authDomain: "lab-6-3e63d.firebaseapp.com",  databaseURL: "https://lab-6-3e63d-default-rtdb.asia-southeast1.firebasedatabase.app",  projectId: "lab-6-3e63d",  storageBucket: "lab-6-3e63d.appspot.com",  messagingSenderId: "1041402007751",  appId: "1:1041402007751:web:c437b89600a6c01e4f6ee2",  measurementId: "G-T2BD64K7F6"  };  const app = initializeApp(firebaseConfig);  const db = getDatabase(app);  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 = '';  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);  });  }  displayUsers();  document.getElementById('addUserButton').addEventListener('click', function() {  window.location.href = 'register.html';  });  </script>  </body>  </html> |

Output:



Firebase:



Link Github: <https://github.com/S66803/CSM3103-Front-End->