UNIVERSITI MALAYSIA TERENGGANU

CSM3103 – FRONT-END PROGRAMMING

BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING) WITH HONORS

LAB 6

SEMESTER II 2023/2024

Prepared for:

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(S67250)

Link Github :

https://github.com/Shazrul-Izzuan/S67250_Lab6Front.git

Task 1

Code :

```html
<!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 :

```html
<!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",
```
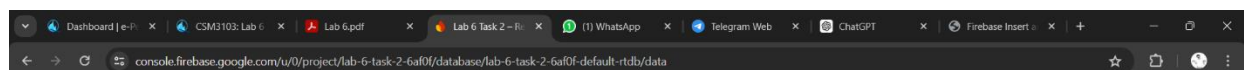
```
                projectId: "lab-6-task-2-6af0f",
                storageBucket: "lab-6-task-2-6af0f.appspot.com",
                messagingSenderId: "301491507942",
                appId: "1:301491507942:web:f0f12d883bc92a68512127"
            };

            // 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>
```
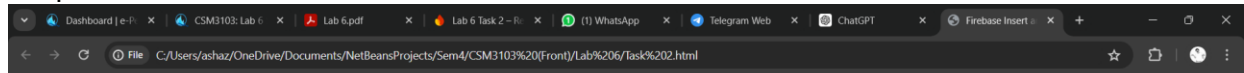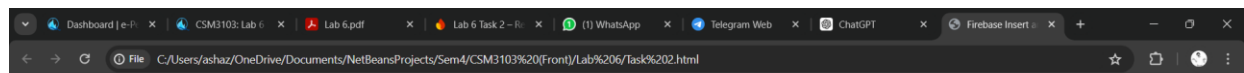
```
</body>
</html>
```

Output :

Task 3

Code :

LOGIN

```html
<!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

```html
<!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>
```

```html
      </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

```html
<!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 :

Silylate

Registration

Name: Shazrul Izzuan
Address: No 7 Lorong Kampong Pad
Phone Number: 0132537989

Submit   Cancel

Sign in if you already have account

This page says

Data added successfully!

OK

Silylate

Login

Name: Shazrul Izzuan
Phone Number: 0132537989

Login   Cancel

This page says

Login successful!

OK

User List

+ Add New User

Name	Address	Phone Number
Shazrul Izzuan	No 7 Lorong Kampong Padang 7 Taman Impianku	0132537989