



**UNIVERSITY MALAYSIA TERENGGANU
FACULTY OF OCEAN ENGINEERING TECHNOLOGY &
INFORMATICS**

**[CSM3103]
FRONT-END PROGRAMMING**

LAB REPORT

[Lab 6]

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[BACHELOR OF SCIENCE COMPUTER(MOBILE COMPUTING)]
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Task 1

Source code (index.html)

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8" />
6      <meta http-equiv="X-UA-Compatible" content="IE=edge" />
7      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
8      <title>Document</title>
9  <style>
10     body {
11         background-image: url(/image/background.jpg);
12         background-size: 100%;
13         font-family: Arial, sans-serif;
14         background-color: #f2f2f2;
15         margin: 0;
16         padding: 0;
17     }
18
19     fieldset {
20         margin: 30px;
21         border: none;
22         border-radius: 5px;
23         background-color: #fff;
24         box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
25     }
26
27     legend {
28         font-size: 45px;
29         font-weight: bold;
30         color: #333;
31     }
32
33     table {
34         width: 100%;
35         border-collapse: collapse;
36     }
37
```

```
td {
  padding: 10px;
}

label {
  display: block;
  margin-bottom: 5px;
  font-weight: bold;
  color: #555;
}

input[type="text"],
input[type="number"] {
  width: 90%;
  padding: 8px;
  border-radius: 5px;
  border: 1px solid #ccc;
  transition: border-color 0.3s ease;
}

input[type="text"]:focus,
input[type="number"]:focus {
  outline: none;
  border-color: #6c63ff;
}

button {
  margin-top: 10px;
  padding: 10px 20px;
  font-size: 16px;
  font-weight: bold;
  color: #fff;
  background-color: #6c63ff;
  border: none;
  border-radius: 5px;
  cursor: pointer;
}
```

```

        footer {
            margin: 10px;
            text-align: center;
            color: #888;
        }
    </style>
</head>

<body>
    <fieldset>
        <legend>User Login</legend>

        <table>
            <tr>
                <td><label for="ID">ID</label></td>
                <td><input type="text" id="inputID" name="inputID" placeholder="Enter your ID" /></td>
            </tr>

            <tr>
                <td><label for="name">Name</label></td>
                <td><input type="text" id="inputName" name="inputName" placeholder="Enter your name" /></td>
            </tr>

            <tr>
                <td><label for="age">Age</label></td>
                <td><input type="number" id="inputAge" name="inputAge" placeholder="Enter your age" /></td>
            </tr>

            <tr>
                <td colspan="2">
                    <button id="btninsert">Submit</button>
                </td>
            </tr>
        </table>
    </fieldset>

```

```

<script type="module">
    // Import the functions you need from the SDKs you need
    import { initializeApp } from "https://www.gstatic.com/firebasejs/9.22.1/firebase-app.js";
    import { getAnalytics } from "https://www.gstatic.com/firebasejs/9.22.1/firebase-analytics.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
    // For Firebase JS SDK v7.20.0 and later, measurementId is optional
    const firebaseConfig = {
        apiKey: "AIzaSyAd22DaTidKmnAegLLAJkZMLhkUcuAeJ9E",
        authDomain: "aloha-a9dd0.firebaseio.com",
        databaseURL: "https://aloha-a9dd0-default-rtdb.asia-southeast1.firebaseio.com",
        projectId: "aloha-a9dd0",
        storageBucket: "aloha-a9dd0.appspot.com",
        messagingSenderId: "382680700417",
        appId: "1:382680700417:web:36b00bc4b6c4774da05200",
        measurementId: "G-1C2C9GTWES"
    };

    // Initialize Firebase
    const app = initializeApp(firebaseConfig);

```

```

import {
  getDatabase,
  set,
  get,
  remove,
  update,
  ref,
  child,
} from "https://www.gstatic.com/firebasejs/9.22/firebase-database.js";

const db = getDatabase();

var insertID = document.querySelector("#inputID");
var insertName = document.querySelector("#inputName");
var insertAge = document.querySelector("#inputAge");

function funInsertData() {
  set(ref(db, "person/" + insertID.value), {
    name: insertName.value,
    ID: insertID.value,
    age: insertAge.value,
  })
  .then(() => {
    alert("Data Added Successfully!");
    window.location.href = "status.html";
  })
  .catch((error) => {
    alert(error);
  });
}

var btnInsert = document.querySelector("#btninsert");

btnInsert.addEventListener("click", funInsertData);

</script>

```

```

<footer>
  &copy; 2023 - Muhammad Irfan Hakim
</footer>
</body>

</html>

```

Status.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>User Data</title>
  <style>
    body {
      background-image: url(/image/background.jpg);
      background-size: 100%;
      font-family: Arial, sans-serif;
      background-color: #f2f2f2;
      margin: 0;
      padding: 0;
    }

    h1 {
      font-size: 24px;
      color: #163878;
      text-align: center;
      margin-top: 20px;
    }

    table {
      margin: 20px;
      border-collapse: collapse;
      width: 97%;
      background-color: #fff;
      box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
    }
  </style>
</html>
```

```
th,
td {
  padding: 12px;
  text-align: left;
}

th {
  background-color: #6c63ff;
  color: #fff;
  font-weight: bold;
  text-transform: uppercase;
}

td {
  border-bottom: 1px solid #ccc;
}

.deleteBtn,
.updateBtn {
  padding: 6px 12px;
  font-size: 14px;
  border: none;
  border-radius: 5px;
  cursor: pointer;
  transition: background-color 0.3s ease;
}

.deleteBtn {
  background-color: #ff6b6b;
  color: #fff;
}

.updateBtn {
  background-color: #6c63ff;
  color: #fff;
  margin-left: 10px;
}
```

```

        .deleteBtn:hover,
        .updateBtn:hover {
            background-color: #e05252;
        }

        .deleteBtn:active,
        .updateBtn:active {
            transform: translateY(1px);
        }
    }
</style>
</head>

<body>
    <h1>USER STATUS</h1>
    <table id="userData">
        <tr>
            <th>ID</th>
            <th>Name</th>
            <th>Age</th>
            <th>Action</th>
        </tr>
    </table>

    <script type="module">
        // Import the functions you need from the SDKs you need
        import { initializeApp } from "https://www.gstatic.com/firebasejs/9.22.1/firebase-app.js";
        import {
            getDatabase,
            ref,
            onValue,
            remove,
        } from "https://www.gstatic.com/firebasejs/9.22.1/firebase-database.js";
    </script>

```

```

// Your web app's Firebase configuration
// Make sure to replace this with your own Firebase project's config
const firebaseConfig = {
    apiKey: "AIzaSyAd22DaTidKmnAegLLAJkZMLhkUcuAeJ9E",
    authDomain: "aloha-a9dd0.firebaseio.com",
    databaseURL: "https://aloha-a9dd0-default-rtdb.asia-southeast1.firebaseio.com",
    projectId: "aloha-a9dd0",
    storageBucket: "aloha-a9dd0.appspot.com",
    messagingSenderId: "382680700417",
    appId: "1:382680700417:web:36b00bc4b6c4774da05200",
    measurementId: "G-1C2C9GTWES"
};

// Initialize Firebase
const app = initializeApp(firebaseConfig);
const db = getDatabase();

// Reference to the "person" collection in Firebase
const peopleRef = ref(db, "person");

// Function to handle the data snapshot updates
function handleDataSnapshot(snapshot) {
    // Clear existing table rows
    const userData = document.querySelector("#userData");
    userData.innerHTML = `
    <tr>
        <th>ID</th>
        <th>Name</th>
        <th>Age</th>
        <th>Action</th>
    </tr>
    `;
}

```



```

    // Loop through each child snapshot
    snapshot.forEach((childSnapshot) => {
        const { ID, name, age } = childSnapshot.val();

        // Create a new table row for each user
        const newRow = document.createElement("tr");
        newRow.innerHTML = `
<td>${ID}</td>
<td>${name}</td>
<td>${age}</td>
<td>
    <button class="deleteBtn" data-id="${ID}">Delete</button>
    <button class="updateBtn" data-id="${ID}">Update</button>
</td>
`;

        // Append the row to the table
        userData.appendChild(newRow);
    });

    // Add event listeners to the "Delete" buttons
    const deleteBtns = document.querySelectorAll(".deleteBtn");
    deleteBtns.forEach((btn) => {
        btn.addEventListener("click", handleDelete);
    });

    const updateBtns = document.querySelectorAll(".updateBtn");
    updateBtns.forEach((btn) => {
        btn.addEventListener("click", handleUpdate);
    });
}

```

```

function handleDelete(event) {
    const id = event.target.dataset.id;

    // Delete the data from Firebase
    remove(ref(db, `person/${id}`))
        .then(() => {
            alert("Data Deleted Successfully!");
        })
        .catch((error) => {
            alert(error);
        });
}

function handleUpdate(event) {
    const id = event.target.dataset.id;

    // Redirect the user to the updateInfo.html page with the ID of the user to update in the URL query string
    window.location.href = `update.html?id=${id}`;
}

// Listen for value changes in the "people" collection
onValue(peopleRef, handleDataSnapshot);
</script>
</body>
</html>

```

Update.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Update User Data</title>
  <style>
    body {
      background-image: url(/image/background.jpg);
      background-size: 100%;
      font-family: Arial, sans-serif;
      background-color: #f2f2f2;
      margin: 0;
      padding: 0;
    }

    h1 {
      margin-top: 20px;
      font-size: 24px;
      color: #163878;
      text-align: center;
      margin-top: 20px;
    }

    form {
      max-width: 400px;
      margin: 0 auto;
      /* Center the form horizontally */
      margin-top: 40px;
      /* Add a top margin for spacing */
      padding: 20px;
      background-color: #fff;
      box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
    }
  </style>
</html>
```

```

    input[type="text"],
    input[type="number"] {
      width: 100%;
      padding: 8px;
      border: 1px solid #ccc;
      border-radius: 4px;
      box-sizing: border-box;
    }

    button[type="submit"] {
      margin-top: 20px;
      padding: 8px 16px;
      font-size: 14px;
      background-color: #6c63ff;
      color: #fff;
      border: none;
      border-radius: 4px;
      cursor: pointer;
    }

    button[type="submit"]:hover {
      background-color: #574fed;
    }
  </style>
</head>

```

```

<body>
  <h1>Update Form</h1>
  <form id="updateForm">
    <label for="name">Name:</label>
    <input type="text" id="name" name="name">

    <label for="age">Age:</label>
    <input type="number" id="age" name="age">

    <button type="submit">Update</button>
  </form>

  <script type="module">
    // Import the functions you need from the SDKs you need
    import { initializeApp } from "https://www.gstatic.com/firebasejs/9.22.1/firebase-app.js";
    import {
      getDatabase,
      ref,
      update,
      onValue,
    } from "https://www.gstatic.com/firebasejs/9.22/firebase-database.js";

    // Your web app's Firebase configuration
    // Make sure to replace this with your own Firebase project's config
    const firebaseConfig = {
      apiKey: "AIzaSyAd22DaTidKmnAegLLAJkZMLhkUcuAeJ9E",
      authDomain: "aloha-a9dd0.firebaseio.com",
      databaseURL: "https://aloha-a9dd0-default-rtdb.asia-southeast1.firebaseio.com",
      projectId: "aloha-a9dd0",
      storageBucket: "aloha-a9dd0.appspot.com",
      messagingSenderId: "382680700417",
      appId: "1:382680700417:web:36b00bc4b6c4774da05200",
      measurementId: "G-1C2C9GTWES"
    };
  </script>

```

```

// Initialize Firebase
const app = initializeApp(firebaseConfig);
const db = getDatabase();

// Reference to the "person" collection in Firebase
const peopleRef = ref(db, "person");

// Get the ID of the user to update from the URL query string
const urlParams = new URLSearchParams(window.location.search);
const id = urlParams.get("id");

// Get the form element
const updateForm = document.querySelector("#updateForm");

// Add an event listener to the form submit button
updateForm.addEventListener("submit", handleUpdate);

// Function to handle the form submit event
function handleUpdate(event) {
    event.preventDefault();

    // Get the updated data from the form
    const name = updateForm.name.value;
    const age = updateForm.age.value;

    // Update the data in Firebase
    update(ref(db, `person/${id}`), {
        name,
        age,
    })
    .then(() => {
        alert("Data Updated Successfully!");
        // Redirect the user to the userInfo.html page after successful update
        window.location.href = "status.html";
    })
}

```

```

    })
    .catch((error) => {
        alert("Error updating data: " + error);
    });
}

// Listen for changes to the data in Firebase
onValue(peopleRef, (snapshot) => {
    // Loop through each child snapshot
    snapshot.forEach((childSnapshot) => {
        const { ID, name, age } = childSnapshot.val();

        // If the ID matches the selected ID, update the form fields with the previous data
        if (ID === id) {
            updateForm.name.value = name;
            updateForm.age.value = age;
        }
    });
});
</script>
</body>
</html>

```

Output :
User login page

User Login

ID: S62734

Name: Muhammad Rahman

Age: 25

Submit

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User data page

USER STATUS

ID	NAME	AGE	ACTION
S23623	Pak Maliki	64	Delete Update
S62113	Muhammad Irfan	21	Delete Update
S62734	Muhammad Rahman	25	Delete Update
S75482	Muhammad Akmal	32	Delete Update

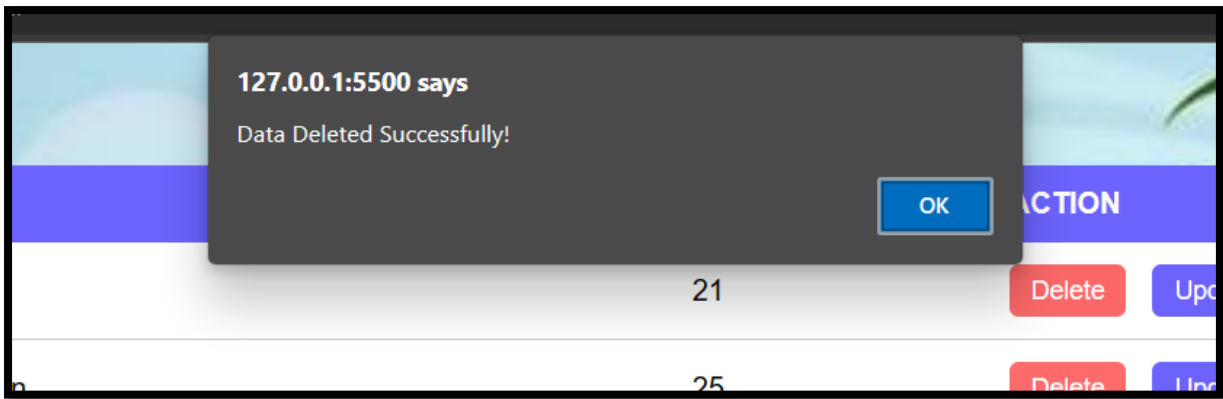
Update page

Update Form

Name: Muhammad Rahman

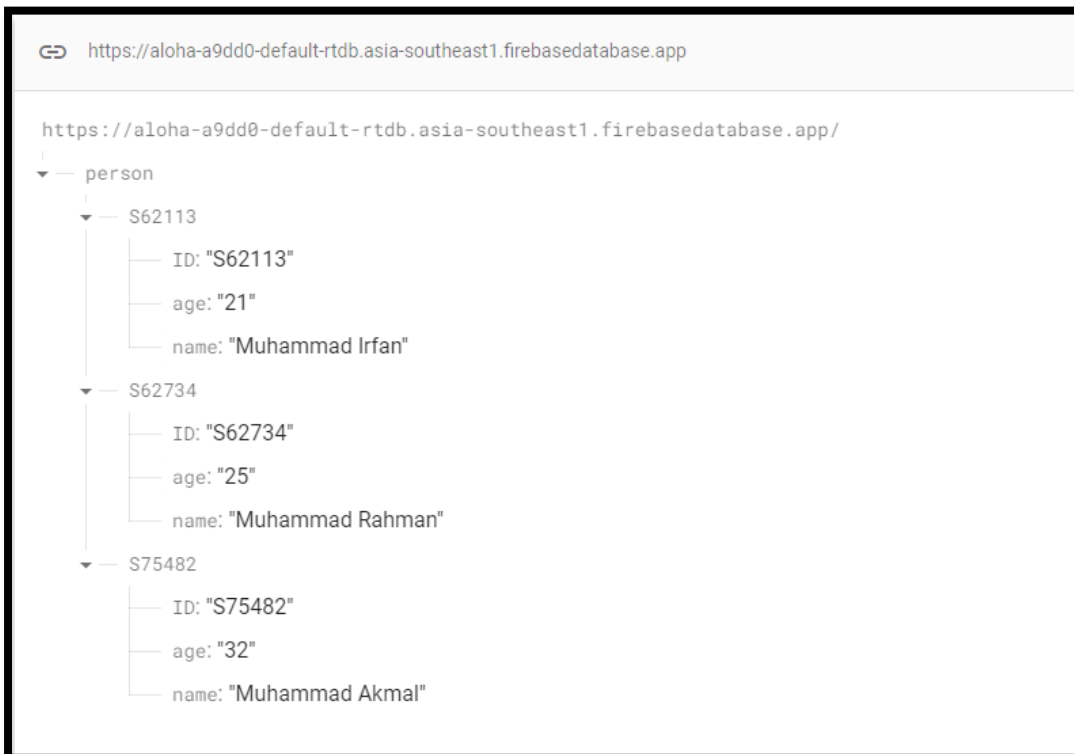
Age: 25

Update



Pak Maliki data have been deleted

In firebase database



Github link

<https://github.com/Ifnhkm/S62113-Front-End.git>