**Student Name: Weight: 10%**

**Student ID:** **Marks:** **/60**

# Assignment: Database CRUD

## Introduction

In this assignment, you will make a database in Supabase that talks to an expo application. The application will have all the CRUD (Create, Read, Update and Delete) operations with a table in that database. You will demonstrate this functionality in class.

## Instructions

## Supabase Account Setup

## Create a Supabase account if you don’t already have one (refer to Lab 6: Data Fetching for steps).

## Set up a table in Supabase called user\_details with the following columns:

## UUID: uuid (Primary Key)

## First Name: String (cannot be null)

## Last Name: String (cannot be null)

## Email: String (cannot be null)

## Modify Assignment 2 (Sign-in and Landing Pages) Update your existing project to integrate Supabase authentication with the following features:

## Sign-in Page:

## Automatically display if the user is not signed in (e.g., on project restart).

## Allow users to sign in using email and password.

## Include a button to navigate to the sign-up page.

## Sign-up Page:

## Allow new users to sign up by entering their first name, last name, email, and password.

## Store user details (including UUID) in the user\_details table.

* + - RLS (Row level security) must be on for all CRUD operations with this table in supabase. You should security enabled in supabase and auth code in your repository that enables this functionality.

## Landing Page:

## Redirect users to this page after successful sign-in. This workflow should work by checking for a valid user object.

## Display a welcome message with the user’s full name.

* + - Have a working logout button this page that signs the user out and routes them to the sign-in page.

## Implementation Notes

## If this authentication workflow is already part of your project, demonstrate it in class instead of creating a new repository for Assignment 4.

* + If you feel more comfortable using firebase for authentication, you can implement all these same features using firebase instead of supabase.

## Marking Criteria

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Needs Improvement** | **Good** | **Excellent** | **Marks** |
| **Sign-up page** | There is no sign-up page or it is missing most features (0 marks) | There is a sign-up page, but it lacks some key features.  (10 marks) | Sign-up page exists, and works as intended.  (10 marks) | **/20** |
| **Sign-up page** | There is no sign-in page or it is missing most features (0 marks) | There is a sign-in page, but it lacks some key features.  (10 marks) | Sign-in page exists and works as intended.  (10 marks) | **/20** |
| **Landing page** | There is no landing page or it is missing most features (0 marks) | There is a landing page, but there is no logout or other stated features. (10 marks) | There is a landing page and it does all the things required.  (10 marks) | **/20** |
| Total | | | | **/60** |