Assignment Title: Ace360 Degree App Developer Challenge: Building a User Authentication and Profile Management System

Description: This assignment tasks you with developing a user authentication and profile management system for the Ace360 Degree app. As an iOS and Android app developer, you will be responsible for implementing key features including signup, login, dashboard display with weather information, profile management, and backend API integration.

1. **Signup Page**:
   * Users fill out a form with their name, email, username, password, location, and date of birth.
   * Ensure all required fields are filled and validate email format, password strength, and date format.
   * Send user data to the server for validation and storage.
2. **Login Page**:
   * Users enter their username and password.
   * Check that both fields are filled out.
3. **Dashboard Page**:
   * After logging in, users are taken to a dashboard.
   * Display weather information for the user's chosen location, fetched from a weather API. (Any weather API)
   * Users select their preferred location during signup, and this is stored for future visits.
4. **Profile Page**:
   * Users can view and edit their personal details.
   * Display name, email, username, location, and date of birth.
   * Provide options to make changes and ensure validations.
5. **Logout Button**:
   * Include a button to log out on the dashboard or in the menu.
   * When clicked, clear the session and redirect to the login page.
6. **Backend Implementation**:
   * Create APIs to handle user actions like signup, login, profile updates, and password resets.
   * Store passwords securely using encryption techniques like bcrypt.