STUDENT INFORMATION MANAGEMENT SYSTEM

User Manual

App13_Group178

Purpose: This is a user manual to guide a user **(marker)** to navigate through the Information Management System.

1. **Login to the application:** After running the program, the first thing you need to do is log in to the application. You will be asked to enter your username and password. If the entered credentials are correct, you will be logged in and directed to a menu that lists the available operations based on your role.

2. **User Roles:** There are three user roles in the system: **Admin**, **Teacher**, and **Student**. Each role has a set of operations that they can perform.

3. **Admin Role:** As an Admin, you can perform the following operations:
- Search user information: You can search for information about a specific user by entering their username. Just input the username of the user you want to search for.
- List all users' information: You can view information about all users in the system.
- List all units' information: You can view information about all units in the system.
- Enable/Disable user: You can enable or disable a user's account by entering their username. The input is the username of the user.
- Add: You can add user to the system The imputs are the username, password, role, status. If the Role is TA then need to add the teach units in a format like this: ['FIT9136'], if the role is ST then need to add the enroll units which will contain the course_code and the marks for it in a format like this: [('FIT9136', 90)]
- Delete user: You can delete a user from the system. The input is the username of the user.
- Log out: You can log out of the application.
- **Admin login credentials: Username - admin; Password: password (case sensitive)**

4. **Teacher Role:** As a teacher, you can perform the following operations:
- List all teaching units information: You can view information about all units that you teach.
- Add: You can add a unit that you teach. The inputs are unit_code, unit_name and the capacity of the unit.

- **Delete a unit:** You can delete a unit that you teach. The input is the unit_code of the unit.
- **List all students' information and scores of one unit:** You can view information about all students who are enrolled in one of your units, including their scores. Input is the unit_code for the unit.
- **Show the avg/max/min score of one unit:** You can view the average, maximum, and minimum scores of one of your units. Input is the unit_code of the unit.
- **Log out:** You can log out of the application.

5. **Student Role:** As a student, you can perform the following operations:
- **List all available unit's information:** You can view information about all units that are available to you.
- **List all enrolled units:** You can view information about all units that you are enrolled in.
- **Enroll:** You can enroll in a unit that is available to you. The input is the unit_code of the unit.
- **Drop a unit:** You can drop a unit that is available to you. The input is the unit_code of the unit.
- **Check the unit score:** You can view your score for one you are enrolled in. The input is the unit_code of the unit.
- **Generate score:** You can generate a random score for a unit that you are enrolled in. The input is the unit_code of the unit.
- **Log out:** You can log out of the application.

Default data guidelines for testing:

Users in this tool can log into the system under:

Access Type	Username(s)	Password	User roles	Units
Admin	admin	password	AD	NA
Teacher	Sakib, Musa, Rix	password	TA	FIT9136, FIT5047, FIT5157
Student	user_0 to user_10	password	ST	FIT9136, FIT5047, FIT5157