

User Manual

After running the source code file, you will see a welcome interface. Follow the prompts to enter the corresponding number to access different menu interfaces:

```
-----Welcome to Student Information Management System-----
1. Admin
2. Teacher
3. Student
4. Exit
```

Logging In as Admin, Teacher or Student

If you enter 1, 2, or 3, you will log in as an admin, teacher, or student, respectively. The system will prompt you to input a username (1-30 characters, case-insensitive) and password (1-30 characters).

The initial password for all users is "password".

Note that if you choose a role and enter a valid username and password that belong to another role, you will **not** be able to log in.

If you enter the correct username and password, you will be directed to a menu with several options:

ADMIN:

```
-----Admin menu:-----
1. Search user
2. List all users
3. List all units
4. Enable/disable user
5. Add user
6. Delete user
7. Logout
```

TEACHER:

```
-----Teacher Options:-----
1. List teach units
2. Add teach unit
3. Delete teach unit
4. List enrol students
5. Show avg, max, and min score of a unit
6. Logout
```

STUDENT:

```
-----Student options:-----
1. List available units
2. List enrolled units
3. Enrol a unit
4. Drop a unit
5. Check score
6. Generate score
7. Logout
```

All units have a remaining capacity of 15, excluding the students who were already registered when the program started.

Please note that after completing a sub-item operation, the program will return to the main interface of the logged-in role.

Invalid Input Handling

Input of names and unit names are **case-insensitive** in the entire program.

If you enter a number that is not among the available options on the screen, the system will prompt you to enter a valid option.

Logging Out

If you select "Logout," the system will return you to the **main interface** for logging in again.

Exiting the Program

If you select 4 in the welcome menu, you will exit the program.