USER MANUAL

How to run application in PyCharm: open "main.py" file and run it

Program starts:

- Enter "1" to log in the program.
- **Enter your username and password:**
  - You may use one of the test data usernames with password being **"password"** to log in as either an Admin, Teacher or Student.
    - All test data users have same password which is **"password".**
    - All passwords are case-sensitive - for test data, make sure to enter "password" and not "PASSWORD".
  - If your username/password is invalid, you will need to enter "1" to log in again before entering username/password.
- Depending on the type of user you're logged in as **(Admin, Teacher or Student),** three different menus will be displayed as below.
  - Enter "1", "2", "3", "4", "5", or "6" (for Admin/Student) to execute the function you wish.
  - You may choose to log out by entering "6" (for Teacher) or "7" (for Admin/Student)
  - After logging out, you may choose to login again by entering "1" or to exit the program by entering "2".


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ADMIN MENU:
1. Search user information  ⇒  input username you wish to search for
2. List all users' information
3. List all units' information
4. Enable/Disable user  ⇒  input username you wish to enable or disable
5. Add user  ⇒  input new username and password > select user role ("1" for Teacher/ "2" for Student) and user status ("1" for enabled / "2" for disabled)
6. Delete user  ⇒  input username you wish to delete
7. Log out
Enter menu number: |
```

- **Admin Menu:**
  - **Add User:** only Teacher or Student users can be added. There will be only one admin which already exists in the database.
    - When adding new username, entering only "_" is invalid. Username can only consist of a combination of numbers, letters, and underscores.
  - **Enable/Disable User:** only users with "enabled" status can be logged in. For example: "teach3" Teacher test user is initially disabled hence you will fail to log in. To enable "teach3" to be successfully logged in, log in as admin and change "teach3" user status to be enabled.

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TEACHER MENU
1. List all teaching units
2. Add a unit            enter new unit code (format must be 3 letters followed by 3 numbers only e.g. MKF211)
3. Delete a unit         enter unit code you wish to delete (unit code has to already exist in unit.txt)
4. List all students' information and scores of one unit      enter unit code
5. Show the avg/max/min score of one unit      enter unit code
6. Logout
Enter menu number: |
```

- **Teacher Menu:**
  - **List all students' information and scores of one unit:**
    - Teacher can do so for any unit (including those they don't teach)
  - **Show the avg/max/min score of one unit:**
    - Teacher can do so for any unit (including those they don't teach)
  - **Add Unit:**
    - Valid input: MKF211 (3 letters followed by 3 numbers)
    - Invalid input: MK3@11 or MK2111 or MKF2112 or MKFA21

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STUDENT MENU
1. List all available units information
2. List all enrolled units
3. Enrol a unit      enter unit code
4. Drop a unit       enter unit code
5. Check the score of a unit      enter unit code
6. Generate score      enter unit code
7. Logout
Enter menu number: |
```

- **Student Menu:**
  - **Enrol a Unit:** Student can only enrol in maximum 3 units.
  - **Generate Score:** Student can generate score multiple times for a unit.