

USER MANUAL : Student Information Management System

The contents of this document explains the instructions to successfully implement the code for a Student Information Management System that presents multiple users(admin, teacher, student) with respective operations.

The program utilizes two files (user.txt, unit.txt) located in the "data" folder for successful implementation. Please ensure to retain the files in the same folder.

Instructions to follow:

1. Run the main.py file for the program to display a main menu prompt as follows:

```
Welcome to Student Information Management System!
1.Admin
2.Teacher
3.Student
4.Exit
Please enter your choice:
```

Select any one of the users by entering your choice in the prompt to proceed further else enter choice as '4' to exit the program. For example:

```
Welcome to Student Information Management System!
1.Admin
2.Teacher
3.Student
4.Exit
Please enter your choice: 1
Enter user name:
```

2. Proceed to enter the username and password for the selected user. For testing purposes, you can use the following login credentials:

- Admin account: username = admin, password = password
- Teacher accounts: username = any one of the names indicated below (case and character sensitive) and the password = same as the username

```
12222,Taylor,^^^w!J#8$U%X&1($$$,TA,enabled, FIT9136
13333,Bruno,^^^e!1#4$W%X&$$$ ,TA,enabled, FIT9131
14444,Chen,^^^f!Q#N$W%$$$ ,TA,enabled, FIT9132
```

- Student accounts: username = any one of the names indicated below (case and character sensitive) and the password = same as the username

```
15555,Tom,^^^w!X#V$$$ ,ST,enabled,['FIT9136', 80), ('FIT9131', 70)]
16666,Jack,^^^m!J#L$T$$$ ,ST,enabled,['FIT9132', 60), ('FIT9136', 50), ('FIT9131', 40)]
17777,John,^^^m!X#Q$W%$$$ ,ST,enabled,['FIT9132', 70)]
18888,Cindy,^^^f!R#W$M%8&$$$ ,ST,enabled,['FIT9136', 30)]
19999,Quinn,^^^t!4#R$W%W%$$$ ,ST,disabled,['FIT9131', 20), ('FIT9136', 40)]
21111,Brian,^^^e!1#R$J%W&$$$ ,ST,enabled,['FIT9132', 60), ('FIT9136', 50)]
22222,Linda,^^^o!R#W$M%J&$$$ ,ST,enabled,['FIT9136', 50), ('FIT9132', 40)]
23333,Wendy,^^^z!N#W$M%8&$$$ ,ST,enabled,['FIT9132', 50), ('FIT9136', 60)]
24444,Kony,^^^n!X#W$8%$$$ ,ST,enabled,['FIT9131', 60), ('FIT9136', 70)]
25555,Gina,^^^j!R#W$J$$$ ,ST,enabled,['FIT9131', 40), ('FIT9136', 90), ('FIT9132', 70)]
```

3. Once the user has successfully logged in, the program will display a menu option with the available operations pertaining to the user. Proceed to test each operation by entering your choice in the prompt.

```
Admin menu:
1. Search user information
2. List all user information
3. List all unit information
4. Enable/Disable user
5. Add user
6. Delete user
7. Logout
Please enter your choice:
```

```
Teacher menu:
1. List all taught units
2. Add a new unit
3. Delete a taught unit
4. List the enrolled students in a unit
5. Show the average, max, and min score in a unit
6. Log out
```

```
Student menu:
1. List available units
2. List enrolled units
3. Enrol a unit
4. Drop a unit
5. Check unit score
6. Generate the score for a unit
7. Log out
Please enter your choice:
```

4. Follow the prompts and instructions for each operation per user to proceed running the code.
5. To test the program's functionality as a different user, log out of the current account by selecting the "Logout" option from the menu. This will return you to the main menu prompt where you can enter the credentials for a different user.
6. Once each menu function has been tested, logout from the user to return to the main menu and select the "Exit" option to exit the program