Assignment-2 FIT9136

Group -18

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Follow the steps given below to start the program:

1. Run main.py file.
2. There will be a welcome message and following 2 instructions:
      i.   Log in: If the user selects 1, the user will aske to enter username and password to log into the system.
      ii.   Exit: If the user selects 2, the user will be logged out of the program with successful log out message.
3. After the user logs in the system, the program will display further menu option based on the role of the user. E.g., if the user role is student, student menu will be displayed
4. There are error messages displayed when the user enters invalid details or unexpected inputs.

Based on the role of the user, they will be able to perform different operations.

For Admin:

- Enter '1': Search user information (Asks for user name, then searches for a user in user.txt and then displays the information.)
- Enter '2': List all users' information: Displays the information of all users present in user.txt
- Enter '3': List all units' information: Displays the information of all units present in unit.txt
- Enter '4': Enable/Disable User: Asks for user name and enables or disables the user based on the current user status.
- Enter '5': Add User: Asks for user name, password, and user role then adds the user information in user.txt. user id Is randomly generated and user status is set to ENABLE by default.
- Enter '6': Delete User: Asks for user name and deletes that particular user from user.txt file
- Enter '7': Log out: Logs out the user from the user menu, and returns to main menu.

For Teacher:

- Enter '1': List all teaching units: Displays all the units taught by that particular teacher.
- Enter '2': Add a unit: Asks for unit code and unit name to add unit to teaching unit list and unit.txt. unit capacity is randomly generated.
- Enter '3': Delete a unit: Asks for unit code and deletes unit from unit.txt.
- Enter '4': List all student's information: Displays the information of those students who are enrolled in particular teacher's unit
- Enter '5': Show avg/min/max score: Displays the average, minimum and maximum marks in a particular unit taught by teacher.
- Enter '6': Log out: Logs out the user from the user menu, and returns to main menu.

For Student:

- Enter '1': List available unit: Displays the units available to student for enrollment
- Enter '2': List enrolled units: Displays the units in which the student is already enrolled in.
- Enter '3': Enroll a unit: Asks for unit code in which the student wishes to enroll.
- Enter '4': Delete a unit: Asks for unit code from which student wants to drop.
- Enter '5': Check your score: Asks for unit code, if unit code is not provided displays marks of all the units student is enrolled in, else displays particular unit's marks.
- Enter '6': Generate score: Asks for unit code and randomly generates marks for that particular unit.
- Enter '7': Log out: Logs out the user from the user menu, and returns to main menu.

Sample Information:

- Admin, user name = "admin", password = "password"
- Teacher, username = "Chaya", password = "qwerty"
- Student, username = "faith", password = "Hello11"