Lab: User login system

Create a user login system. Your code should do the following:

1.Load your user database from “UD.txt” (USE THE EXACT FILE NAME, file is given in the folder)

2.Display “Login or create a new user? Select L to login, select C to create new user.”

3. If wrong selection is entered, take the user back to step 2.

4. If the user entered “L”, display “Please enter your user name and hit enter”

5. Check to see if the user is in UD.txt, if not, display “User not found” take the user back to 2

6. If the username is in UD.txt, then prompt user to enter password by displaying: “Enter password”

7. check to see if the user has the correct password, if yes, display “you are logged in”, else, display “wrong password” and take the user back to 2.

8. If the user entered C at step 2, prompt the user to create a new username by displaying “Please enter your first name, last name, and student ID, separated by a space”. The user name should be the First letter of the first name, the first two letters of the last name, and the first three numbers of the student ID. For example: if the user entered “Tom Waits 567890”, the user ID should be “twa567”.

9. Once username is generated, then prompted the user for password by displaying “Please enter password”

10. Prompt the user to reenter password “Please reenter password:”

11: Check to see if the two passwords are the same, if not, display: “Password did not match”, and go to step 10.

12. If two passwords match, save the new generated username and password into “UD.txt”, and display “User created.”

13 Take the user back to 2, and make sure the new username and password works.

Some sample codes:

sample\_list=[]#create a sample list

for line in exampleline: # get each line from the file

if line[0:4] == 'USER': #ignore the the header line

continue # skip header line

line\_list = line.split(',') #split the lines

Deliverables:

1. A flowchart of your program.
2. Save your code in the following format: CS132\_Labnumber\_Last name.py

**Execution Example:**

Login or create a new user? Select L to login, select C to create new user.

*H #(user input, go back to step 2)*

Login or create a new user? Select L to login, select C to create new user.

*L (user input)*

Please enter your user name and hit enter

*Zzz (user input)*

User not found

Login or create a new user? Select L to login, select C to create new user.

*L (user input)*

Please enter your user name and hit enter

*dcf987 (user input)*

Enter password

*Test22 (user input)*

Wrong password

Login or create a new user? Select L to login, select C to create new user.

*L (user input)*

Please enter your user name and hit enter

*dcf987 (user input)*

Enter password

*BHYW4fw (user input)*

you are logged in

Login or create a new user? Select L to login, select C to create new user.

*C (user input)*

Please enter your first name, last name, and student ID, separated by a space

*Tom Waits 567890 (user input)*

Please enter password

*123456 (user input)*

Please reenter password:

*456789 (user input)*

Please enter password

*123456 (user input)*

Please reenter password:

*123456 (user input)*

User created