

class Authentication

instances: administrator and employee - both administrator and employees can be an instance of this class to utilize methods to login and create accounts in the system.

Functions pseudocode:

1. add_user ():

Begin:

```
name = INPUT: "Enter the name of the employee"
position = INPUT: "Enter the position of the employee"
username = INPUT: "Enter the username for the employee"
slary = INPUT: "Enter salary"
IF username is in username_list:
    OUTPUT: "username exist. Try again:"
    GO TO 1
password = INPUT: "Enter the password for the new employee"
APPEND name, position, username in name_list, position_list, username_list
OUTPUT: "employee added successfully"
```

End

2. delete_user():

Begin:

```
1. username = INPUT: "Enter the username for the employee"
   for usernames in username_list:
       If username == usernames:
           index = index of username
           Delete username_list[index]
           Delete password_list[index]
           OUTPUT: "employee deleted successfully"
```

End

3. Log_in():

Begin:

1. username = INPUT: "Enter the username:"
2. IF username IS NOT in username_list:
 OUTPUT: "incorrect username: "
 GO TO 1
3. password = INPUT: "Enter password: "
4. IF password IS NOT in password_list:
 OUTPUT: "incorrect password: "
 GO TO 3

End

4. Log_out():

Begin:

1. CALL main_menu ()

End

Test_Senarios (Class01): -**Edited (8/12/2021).....**

Method Number	Test case description	Test data	Expected result	Actual result	Pass/Fail
1	Add Id to the temporary list before writing it back.	Id = 1	The details appended to the list successfully	The details appended to the list successfully	pass
2	Add Id to the and write it to the id_file from the temporary list	Id = 1	The id will be stored successfully in the file (The list we read from the file contains the same id)	The id will be stored successfully in the file (The list we read from the file contains the same id)	pass
3	Adding employee to the file and check if it has been added successfully	The employee specific details	Print a list that contains the same employee details	Print a list that contains the same employee details	pass
3	Delete the added employee from test (3)	The employee id Id = 1	Set his position into retired in the read list.	Set his position into retired in the read list.	pass
4	Test the whole method of delete an employee	The employee id: any	Set the position of the employee with the same id into retired	Set the position of the employee with the same id into retired	pass