**Flowchart:**

Enter AccountType, inuser

Star

No

End

No

Contact Administrator

Yes

Case Staff

Case Student

Case Admin

"Welcome Staff! You can update, read, add, delete file"

"Welcome Student! You can only read file."

"Welcome Admin! You can update and read file"

input

No

trial=trial+0

Yes

“Invalid Username”

“Enter Username”

Inuser != “fuad” and trial<limit

Yes

Yes

No

trial<limit

“Invalid Password”

“Enter Password”

Inpw != “123”

Yes

Inpw != “123”

And trial<limit

trial=trial+1

“Enter

Password”

Yes

trial<limit

No

trial=trial+0

trial=trial+1

Inuser != “fuad”

Read AccountType, limit=3, trial=0, inuser

**Pseudocode:**

PROMT for inuser, AccountType, input

READ inuser, AccountType, input, limit = 3, trial=0

If Inuser != “fuad”

* Then trial = trial+1
  + While Inuser != “fuad” & trial<limit
  + Invalid Username, Enter Username
  + If Inuser != “fuad”
    - Then trial = trial+1
    - Else trial = trial+0
* Else DISPLAY “Contact Administration”

If trial<limit

* Then PROMT for, READ inpw & trial = trial+1
  + While inpw != “123” & trial<limit
  + Invalid Password, Enter Password
  + If inpw != “123”
    - Then trial = trial + 1
    - Else trial = trial + 0

If trial<limit

* Then Switch input
  + Case Admin:
    - DISPLAY “Welcome Admin! You can update and read file.”
  + Case Student:
    - DISPLAY “Welcome Student! You can only read file.”
  + Case Staff:
    - DISPLAY “Welcome Staff! You can update, read, add, delete file.”
* Else DISPLAY “Contact Administration”