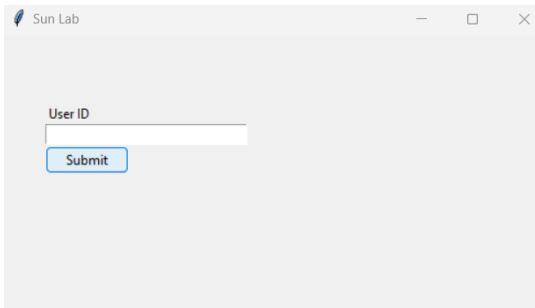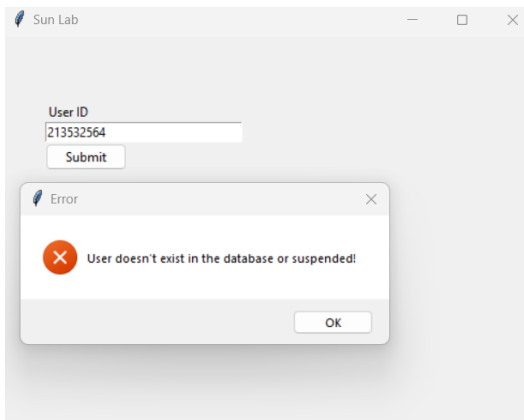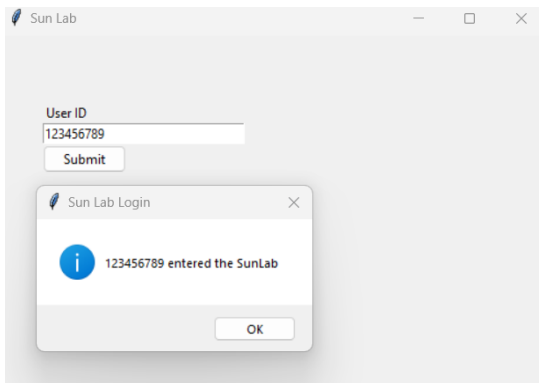Caleb Nhkum
CMPSC 487W
Project 1

SunLab

Assume that this is the SunLab in virtual, where user would enter thier ID to enter and exist the SunLab.

When the invilad ID or suspended user entered into the SunLab, it will prom the error and access will be denailed.
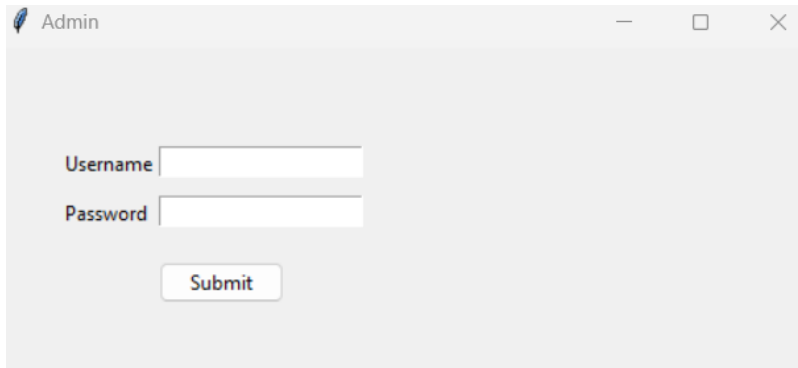

When the valid user is entered ID, it will grand the access to user and display the message of the user's current status.

* In this case user just entered the SunLab
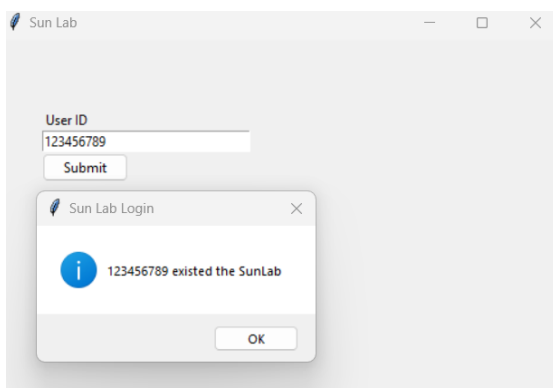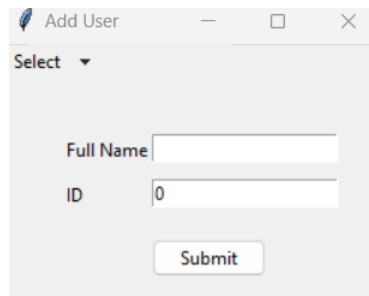

* In this case user just existed the SunLab

Admin

Once admin open the desktop app to manage database, firstly it will ask admin's username and password. This is added for the security reason.

After admin has entered correct username and password, the new window pops up, named "Admin Home". In this window, admin is granted to modifie and view database.
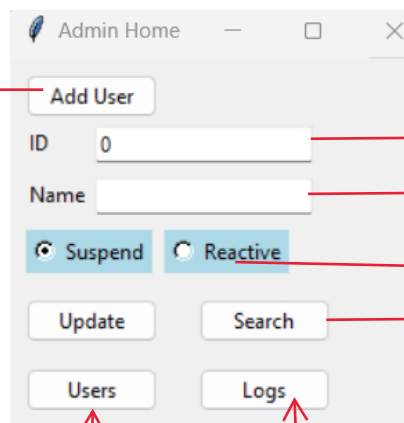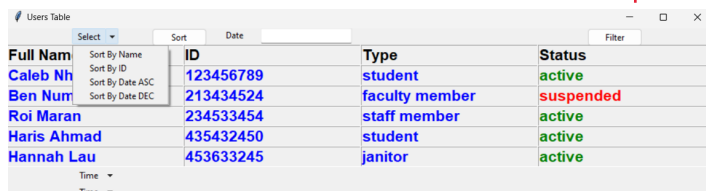
input for user's ID

input for user's name

radio button that has two choices, "Suspend and "Reactive", that update the user's status

"Search" allows admin to search the log history of user by ID or name
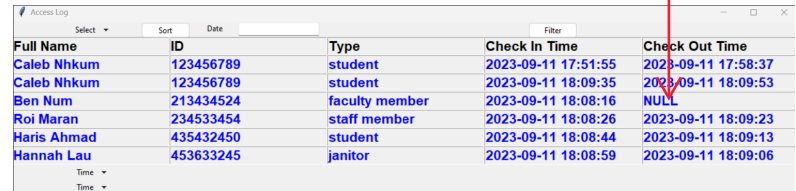"Update" allows admin to update the user status, suspended or active, by user's ID

"Add User" is where admin can activate user into the database. (Select given type of user, enter user's full name in the given field, and user's ID) Note* user is active after on submit

('NULL' indicate that user have not left the room)

"Users" return all the user in the database as shown below

"Logs" return all the log history as shown below

Users Table

Full Name	ID	Type	Status
Caleb Nh	123456789	student	active
Ben Num	213434524	faculty member	suspended
Roi Maran	234533454	staff member	active
Haris Ahmad	435432450	student	active
Hannah Lau	453633245	janitor	active

Sort By Name
Sort By ID
Sort By Date ASC
Sort By Date DEC

Access Log

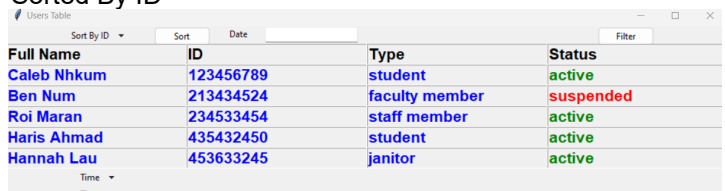| Full Name	ID	Type	Check In Time	Check Out Time
Caleb Nhkum	123456789	student	2023-09-11 17:51:55	2023-09-11 17:58:37
Caleb Nhkum	123456789	student	2023-09-11 18:09:35	2023-09-11 18:09:53
Ben Num	213434524	faculty member	2023-09-11 18:08:16	NULL
Roi Maran	234533454	staff member	2023-09-11 18:08:26	2023-09-11 18:09:23
Haris Ahmad	435432450	student	2023-09-11 18:08:44	2023-09-11 18:09:13
Hannah Lau	453633245	janitor	2023-09-11 18:08:59	2023-09-11 18:09:06

Note* In all the table windows, it contains sort fucntion(By name, id, date asc/dec) and filter by date and time range. Some of sort function and filter are disabled due to invalid data in the tabel.
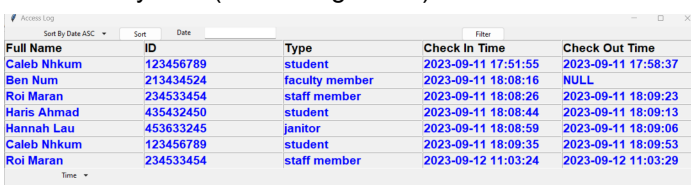
Sorted By Name

Users Table

Full Name	ID	Type	Status
Ben Num	213434524	faculty member	suspended
Caleb Nhkum	123456789	student	active
Hannah Lau	453633245	janitor	active
Haris Ahmad	435432450	student	active
Roi Maran	234533454	staff member	active

Sorted By ID
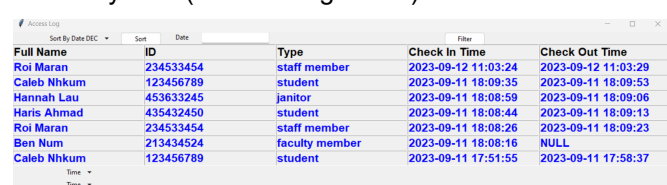
Users Table

Full Name	ID	Type	Status
Caleb Nhkum	123456789	student	active
Ben Num	213434524	faculty member	suspended
Roi Maran	234533454	staff member	active
Haris Ahmad	435432450	student	active
Hannah Lau	453633245	janitor	active

Sorted By Date(Ascending Order)

Access Log

Full Name	ID	Type	Check In Time	Check Out Time
Caleb Nhkum	123456789	student	2023-09-11 17:51:55	2023-09-11 17:58:37
Ben Num	213434524	faculty member	2023-09-11 18:08:16	NULL
Roi Maran	234533454	staff member	2023-09-11 18:08:26	2023-09-11 18:09:23
Haris Ahmad	435432450	student	2023-09-11 18:08:44	2023-09-11 18:09:13
Hannah Lau	453633245	janitor	2023-09-11 18:08:59	2023-09-11 18:09:06
Caleb Nhkum	123456789	student	2023-09-11 18:09:35	2023-09-11 18:09:53
Roi Maran	234533454	staff member	2023-09-12 11:03:24	2023-09-12 11:03:29

Sorted By Date(Descending Order)

Access Log

Full Name	ID	Type	Check In Time	Check Out Time
Roi Maran	234533454	staff member	2023-09-12 11:03:24	2023-09-12 11:03:29
Caleb Nhkum	123456789	student	2023-09-11 18:09:35	2023-09-11 18:09:53
Hannah Lau	453633245	janitor	2023-09-11 18:08:59	2023-09-11 18:09:06
Haris Ahmad	435432450	student	2023-09-11 18:08:44	2023-09-11 18:09:13
Roi Maran	234533454	staff member	2023-09-11 18:08:26	2023-09-11 18:09:23
Ben Num	213434524	faculty member	2023-09-11 18:08:16	NULL
Caleb Nhkum	123456789	student	2023-09-11 17:51:55	2023-09-11 17:58:37

Filerted By Date

Access Log

Full Name	ID	Type	Check In Time	Check Out Time
Roi Maran	234533454	staff member	2023-09-12 11:03:24	2023-09-12 11:03:29

Logs From Date: 2023-09-12

Full Name	ID	Type	Check In Time	Check Out Time
Roi Maran	234533454	staff member	2023-09-11 18:08:26	2023-09-11 18:09:23
Ben Num	213434524	faculty member	2023-09-11 18:08:16	NULL
Caleb Nhkum	123456789	student	2023-09-11 17:51:55	2023-09-11 17:58:37

Filtered By Time

Access Log (Time: 17-18)

Full Name	ID	Type	Check In Time	Check Out Time
Caleb Nhkum	123456789	student	2023-09-11 17:51:55	2023-09-11 17:58:37
Caleb Nhkum	123456789	student	2023-09-11 18:09:35	2023-09-11 18:09:53
Ben Num	213434524	faculty member	2023-09-11 18:08:16	NULL
Roi Maran	234533454	staff member	2023-09-11 18:08:26	2023-09-11 18:09:23
Haris Ahmad	435432450	student	2023-09-11 18:08:44	2023-09-11 18:09:13
Hannah Lau	453633245	janitor	2023-09-11 18:08:59	2023-09-11 18:09:06

Filerted By Date and Time

Logs From Date: 2023-09-11 (Time: 18-18)

Full Name	ID	Type	Check In Time	Check Out Time
Caleb Nhkum	123456789	student	2023-09-11 18:09:35	2023-09-11 18:09:53
Ben Num	213434524	faculty member	2023-09-11 18:08:16	NULL
Roi Maran	234533454	staff member	2023-09-11 18:08:26	2023-09-11 18:09:23
Haris Ahmad	435432450	student	2023-09-11 18:08:44	2023-09-11 18:09:13
Hannah Lau	453633245	janitor	2023-09-11 18:08:59	2023-09-11 18:09:06

Search By Name

Search By Name: (caleb)

Full Name	ID	Type	Check In Time	Check Out Time
123456789	Caleb Nhkum	student	2023-09-11 17:51:55	2023-09-11 17:58:37
123456789	Caleb Nhkum	student	2023-09-11 18:09:35	2023-09-11 18:09:53

Search By ID

Search By ID: 435432450

Full Name	ID	Type	Check In Time	Check Out Time
Haris Ahmad	435432450	student	2023-09-11 18:08:44	2023-09-11 18:09:13

Error

Error

User: John, doesn't exist in the databse!

OK

Error

User ID: 43543234, doesn't exist in the databse!

OK

Update User

Add...

Add User

ID 435432450

Name John

( ) Suspend   ( ) Reactive

Update   Search

Users   Logs

Status Change

435432450 is suspended!

OK

Before

Users Table

Full Name	ID	Type	Status
Caleb Nh	123456789	student	active
Ben Num	213434524	faculty member	suspended
Roi Maran	234533454	staff member	active
Haris Ahmad	435432450	student	active
Hannah Lau	453633245	janitor	active

After suspended on (Haris Ahmad)

Users Table

Full Name	ID	Type	Status
Caleb Nhkum	123456789	student	active
Ben Num	213434524	faculty member	suspended
Roi Maran	234533454	staff member	active
Haris Ahmad	435432450	student	suspended
Hannah Lau	453633245	janitor	active

After reactivated on (Ben Num)

Users Table

Full Name	ID	Type	Status
Caleb Nhkum	123456789	student	active
Ben Num	213434524	faculty member	active
Roi Maran	234533454	staff member	active
Haris Ahmad	435432450	student	suspended
Hannah Lau	453633245	janitor	active