

DBMS PROJECT DELIVERABLE 3

Group Members -

Shreyash Arya , 2015097

Tushita Rathore , 2015108

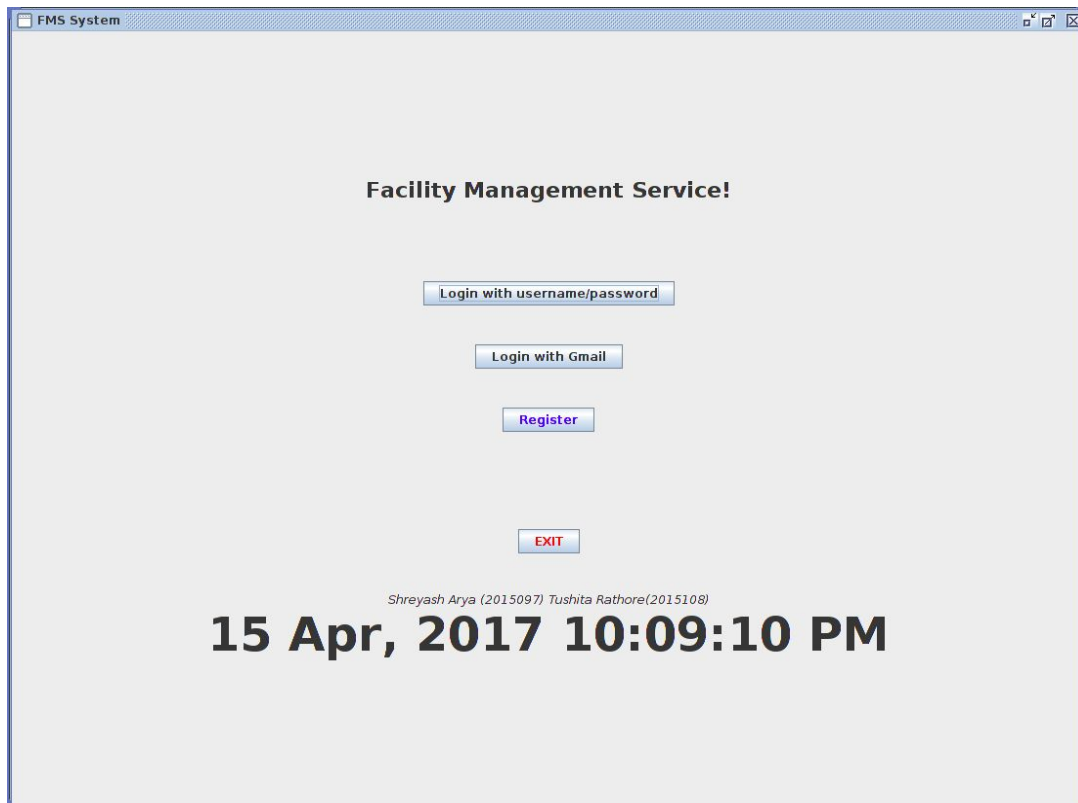
Project -

Facility Management System

The system uses the following table -

1. AdminInfo
2. SupervisorInfo
3. StaffInfo
4. NewReg
5. Inventory
6. InventoryReq
7. Task
8. DOES

Screenshots of the System -



FMS System

Login Panel

Enter username:

Enter password:

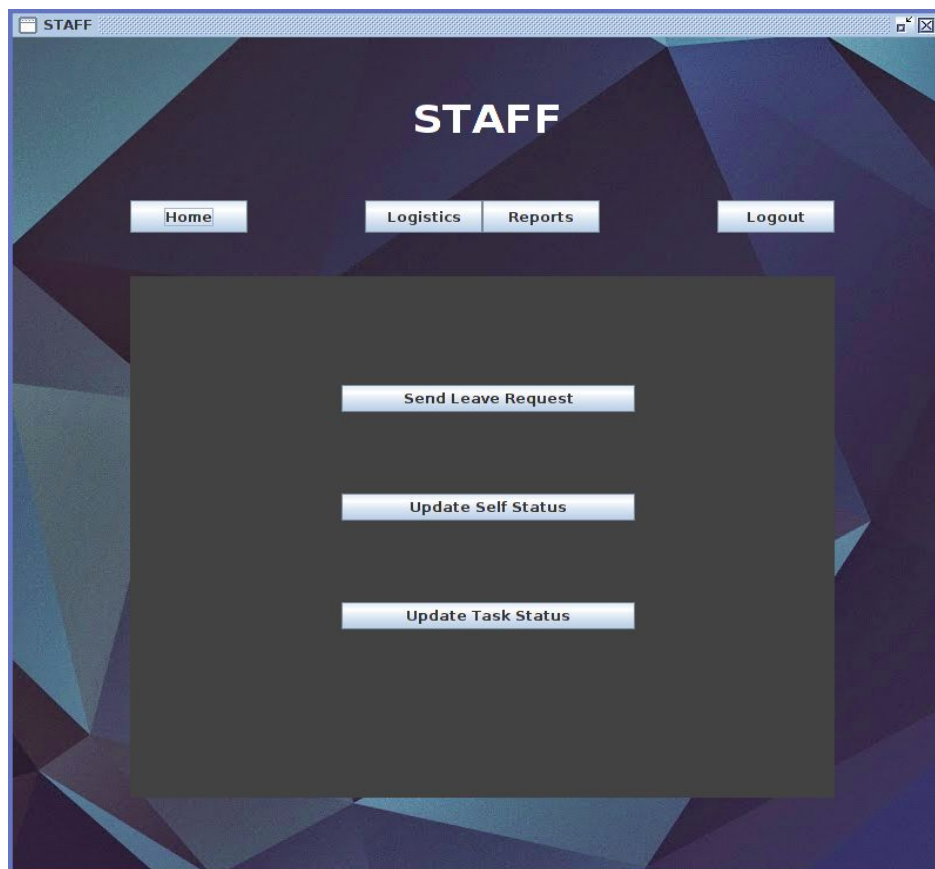
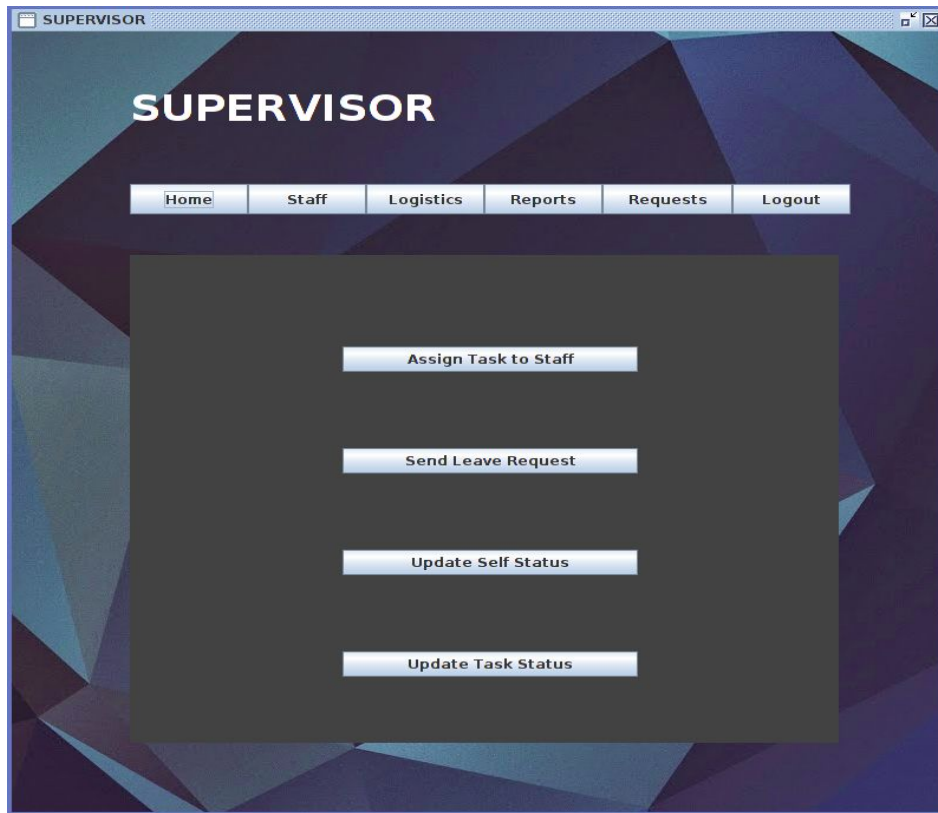
GM

ADMIN

Home	Staff	Logistics	Tasks	Requests	Logout
------	-------	-----------	-------	----------	--------

Choose Supervisor Dept to view:

Choose Staff Dept to view:



SQL Queries -

1. Displaying list of staff or department heads of a particular department.

SQL - Select *

From StaffInfo or From SupervisorInfo

Where Dept = "deptname"

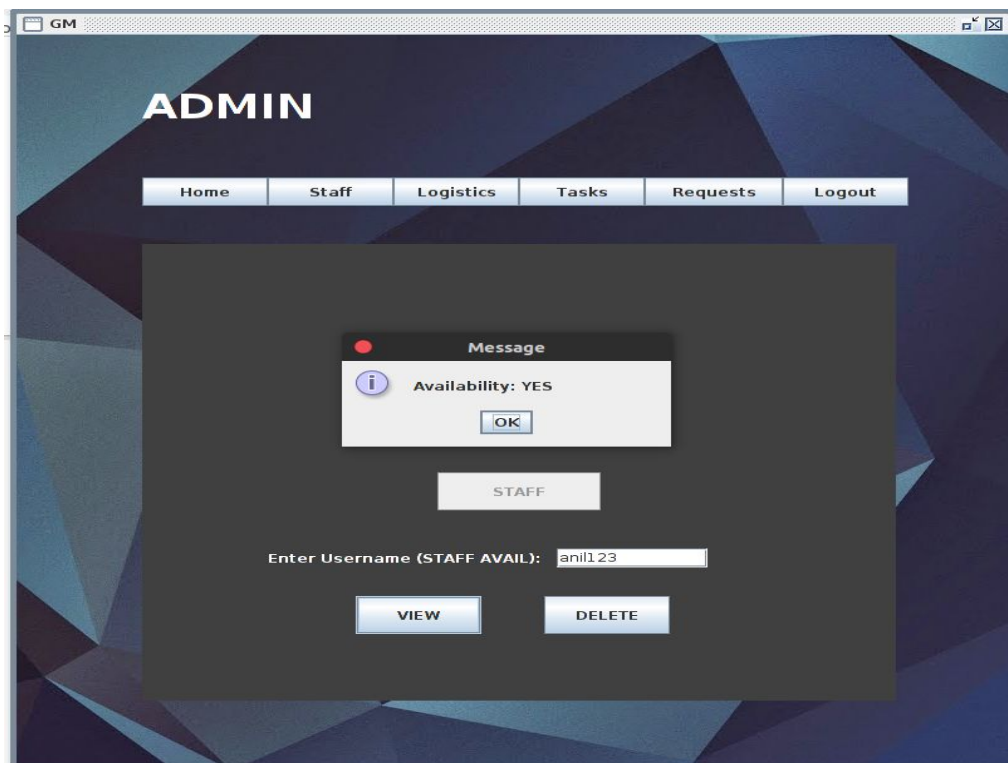
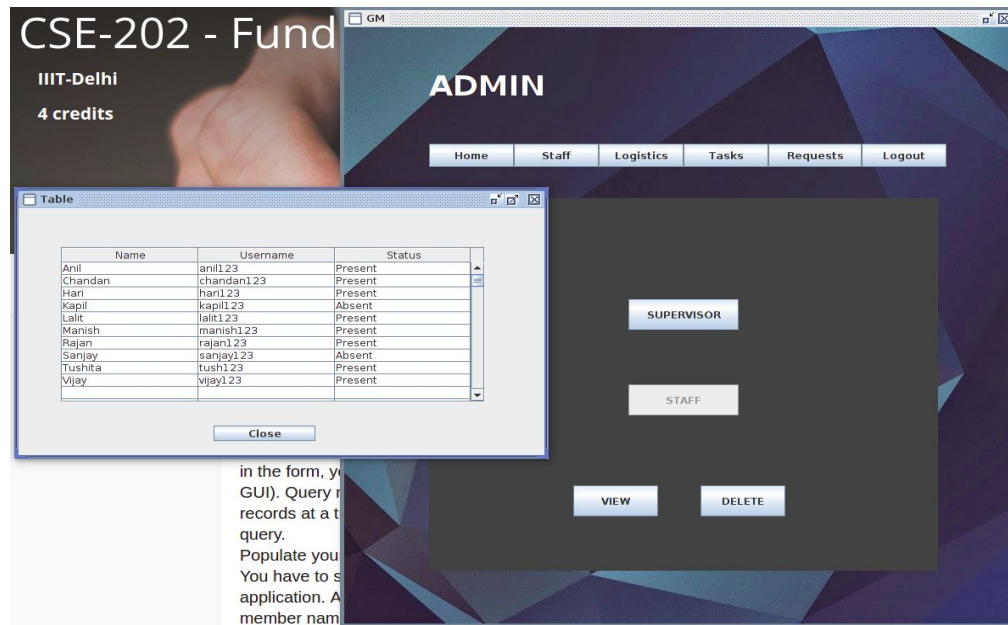
2. Displaying availability of a staff member/Supervisor.

SQL (a)- Select Name,Username,Avail_Status

From StaffInfo

SQL (b)- Select Name,Username,Avail_Status

From StaffInfo where Username = 'anil123';



3. Displaying list of member who have registered(approval pending).

SQL - Select Name,Username,Post,Dept,DOB,City

From NewReg

CSE-202 - Funda

GM

Member Registration Requests

Name	Username	Post	Department	DOB	City
Arya	arya123	staff	Audio/Video	10/10/10	IIITD

Approve Disapprove Enter Username:

Cancel

Logistics Tasks Requests Logout

+ Required Inventory: --Inventory--

LOGISTICS

MEMBERS

Akanksha M

Due: Saturd

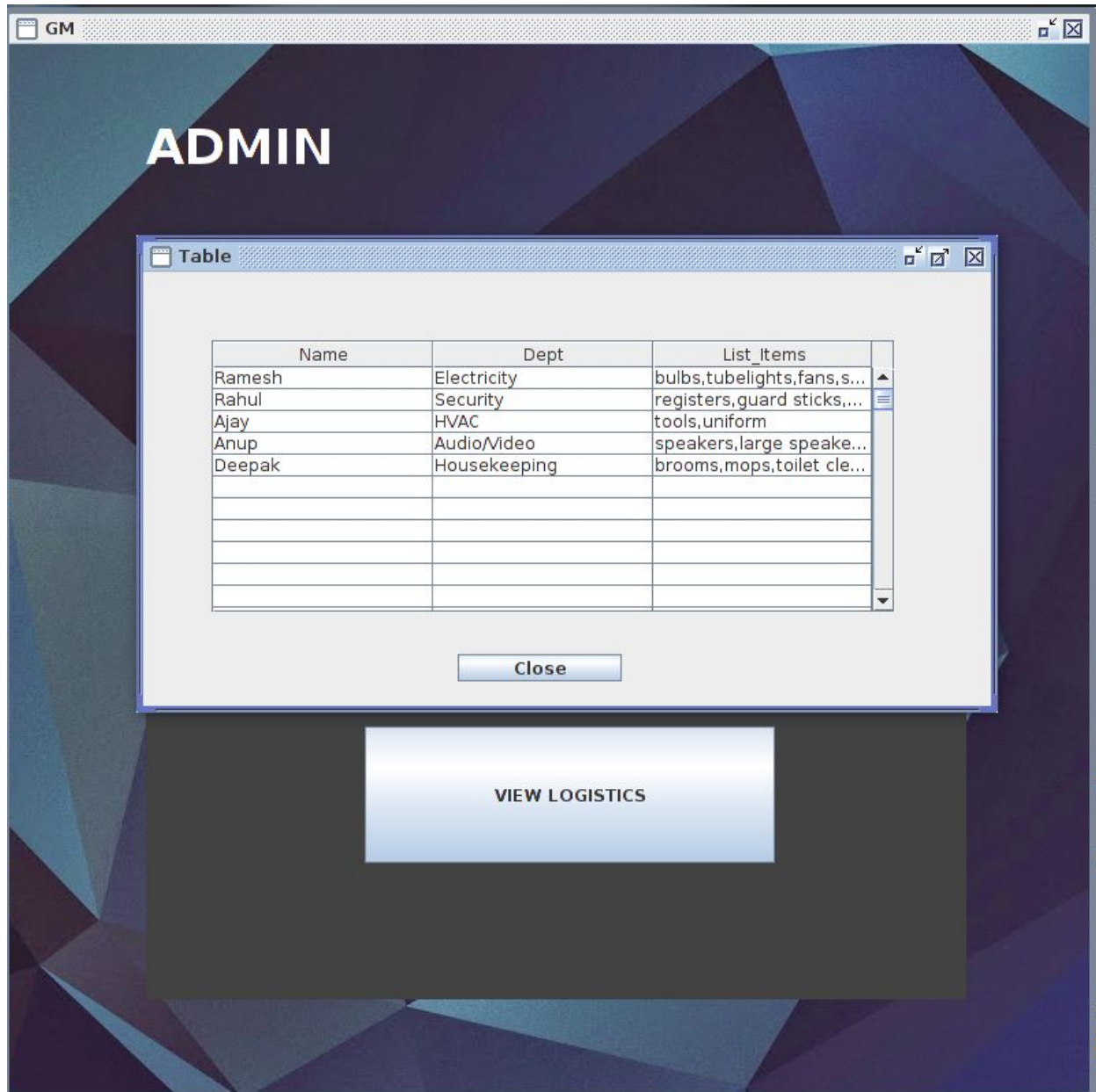
You will design in the form, you GUI). Query records at a time query. Populate your You have to s application. A member name

- Where Task.TID=DOES.TID



5. Displaying Inventory of a department.

SQL - Select SupervisorInfo.Name, SupervisorInfo.Dept, List_items
From SupervisorInfo, Inventory
Where SupervisorInfo.Dept = Inventory.Dept



6. Details of task assigned to staffs of particular department.

SQL - Select StaffInfo.Username,StaffInfo.Dept,Title,Location,Status,Deadline
From Task natural join DOES natural join StaffInfo

The screenshot displays a web application interface. At the top, a window titled "Table" is open, showing a table with the following data:

Username	Dept	Title	Location	Status	Deadline
lalit123	Housekee...	Fan clean...	In B104 b...	Completed	10 April

Below the table is a "Close" button. In the background, the main interface has a dark grey panel with two dropdown menus and a button:

- "Choose Dept to view task:" with a dropdown menu showing "Housekeeping".
- "Choose Dept to count ON-task:" with a dropdown menu showing "--ONGOING--".
- A large "View All Tasks" button at the bottom.

7. Details of inventory of a particular department ,waiting for approval and already present.

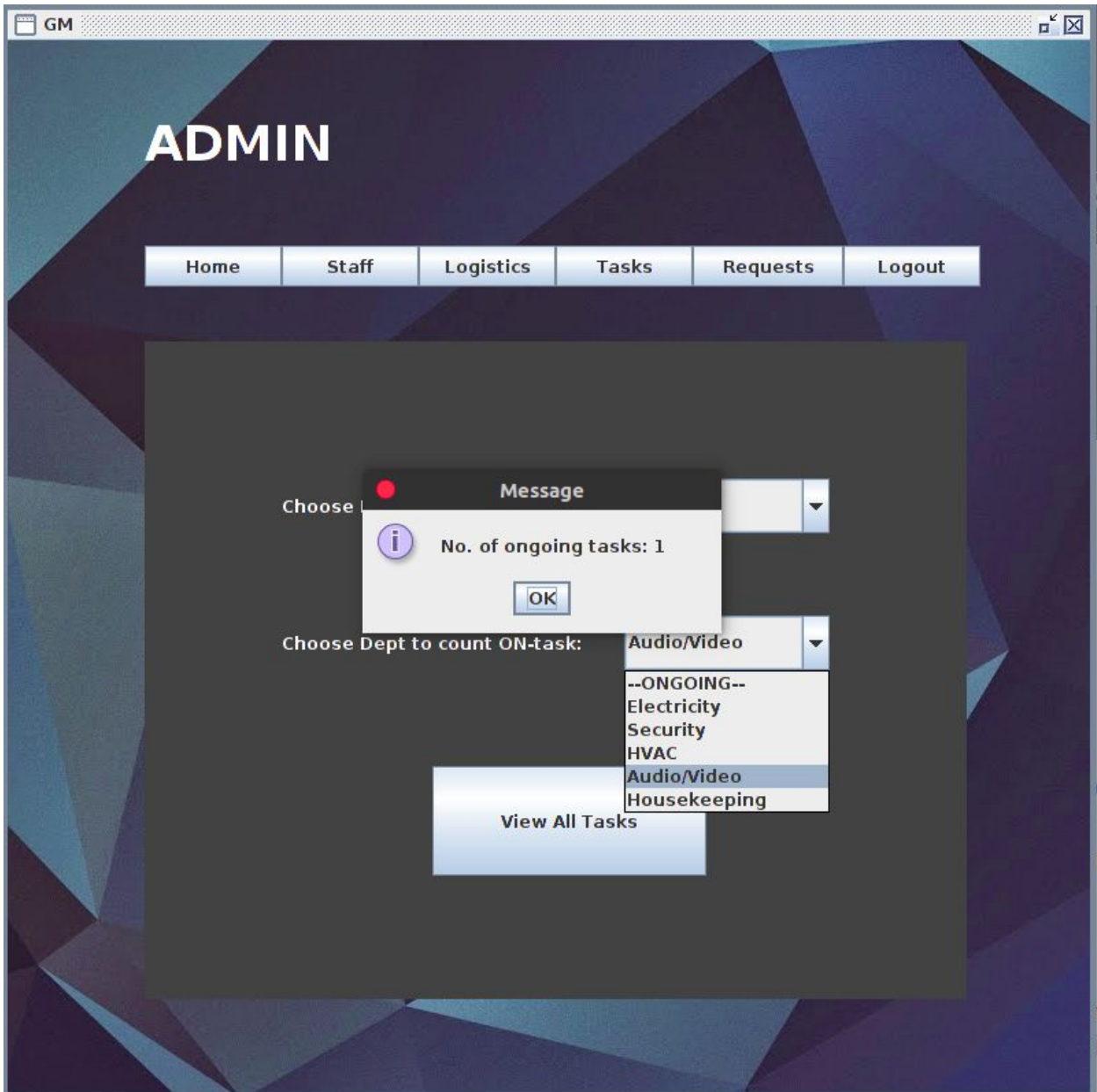
SQL - Select SupervisorInfo.Name,SupervisorInfo.Dept, List_items,Req_Items
From SupervisorInfo natural join Inventory natural join InventoryReq
Where Supervisor.Dept='Dep'

The screenshot displays a web application interface. At the top, there is a window titled "Table" containing a table with the following data:

Name	Dept	Current inventory	Requested Inventory
Rahul	Security	registers, guard sticks, uniforms	New Uniforms men

Below the table is a "Close" button. In the background, there is a dark grey panel with the text "Current + Required Inventory:" followed by a dropdown menu currently set to "Security". Below this are two buttons labeled "LOGISTICS" and "MEMBERS".

8. Count the number of staff members of a particular department who have some assigned task with status="ongoing"
- SQL - select count(*) from StaffInfo natural join DOES natural join Task where Status = 'ongoing' and Dept='Audio/Video'



9. Deleting any member from staff using his username only if the staff member does not have an ongoing task, otherwise delay deletion.

SQL -

```
delete from StaffInfo
```

```
where StaffInfo.Username='tush123'
```

```
and ( not exists (select Username from DOES
```

```
where Username='tush123')
```

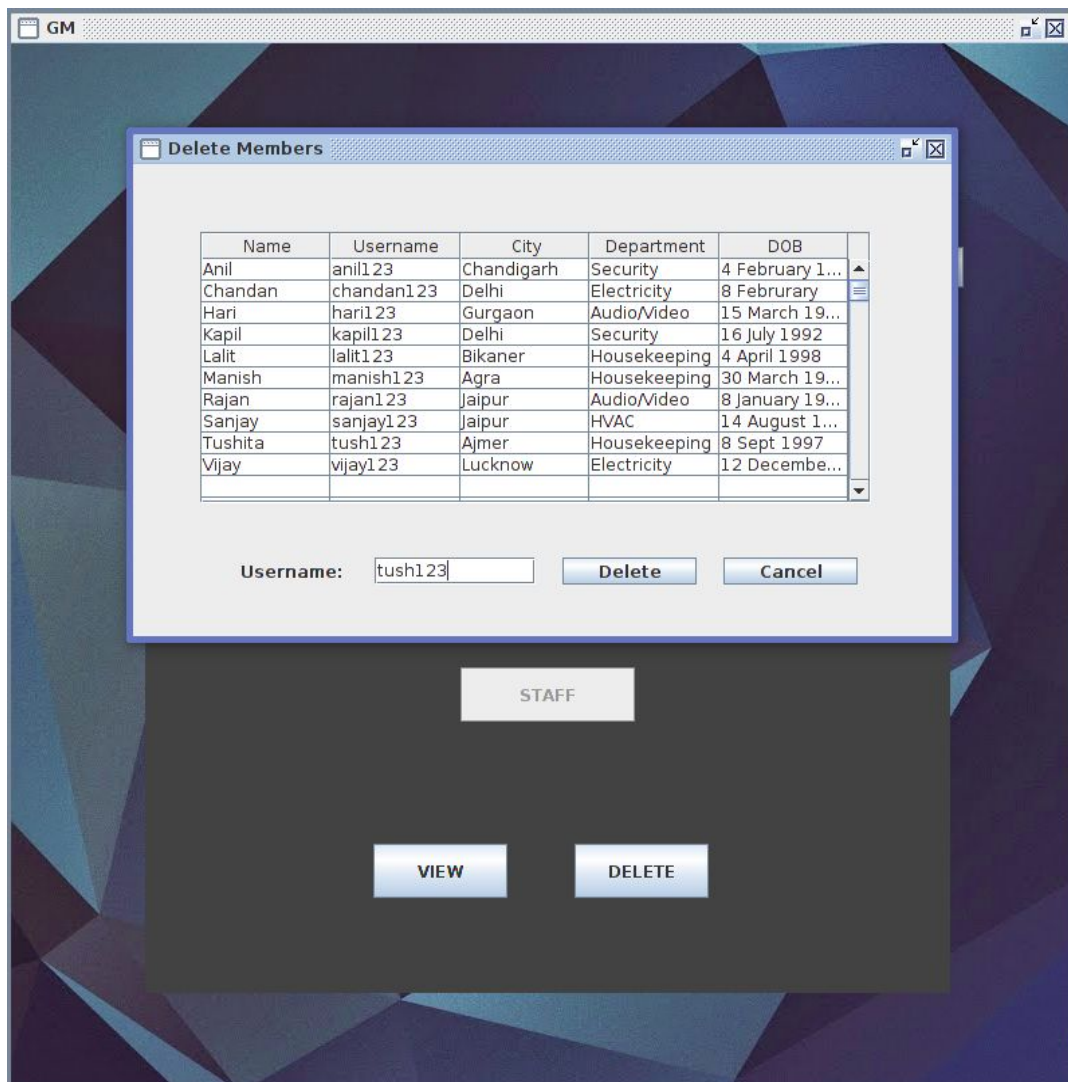
```
or exists ( select Username,Status from DOES,Task
```

```
where Task.TID=DOES.TID and Username = 'tush123' and Status='Completed') );
```

```
delete From Task
```

```
where TID in ( select TID from StaffInfo natural join DOES
```

```
where Username = 'tush123');
```



10. Details of equipments required by a staff member for a particular task, and the availability of equipments.

```
SQL - Select StaffInfo.Username,StaffInfo.Dept,Task.Title,Task.Tools
      From Task natural join StaffInfo natural join DOES
```

The screenshot shows a Java Swing application window titled "Table". The window contains a table with the following data:

Name	Dept	Title	Tools required	Available-Yes...
rajan123	Audio/Video	Repair Proje...	tools,wires	Not Available
vijay123	Electricity	Repair tubeli...	tools,tubelig...	Available
lalit123	Housekeeping	Fan cleaning	cleaning clot...	Available

Below the table is a "Close" button. The background of the application is dark gray with two light blue buttons: "VIEW Availability of Tools for Task" and "VIEW LOGISTICS".

----> **Extra Queries implemented -**

11. Insert values of registrations in Table and delete from NewReg if request approved.
SQL - select* from NewReg where Username=""+Uname+";
Insert into StaffInfo(Name,Username,Dept,DOB,City) values "+ "(?,?,?,?);
delete from NewReg where Username = '"+Uname+'";
12. Delete values from NewReg whose requests are disapproved.
SQL - Delete from NewReg Where Username = ?
13. Insert details into NewReg of people who register.
SQL - Insert into NewReg(Name,Username,Post,Dept,DOB,City) values "
+ "(? , ? , ? , ? , ? , ?)

CSE-202 -

Register

Type:

Name:

Username:

DOB:

Address:

Department:

Facility Management Service!

Shreyash Arya (2015097) Tushita Rathore(2015108)

15 Apr, 2017 10:11:17 PM

14. Displaying requested inventory of a department.

SQL - SELECT SupervisorInfo.Name,SupervisorInfo.Dept,Req_Items
FROM SupervisorInfo natural join InventoryReq

The screenshot displays a web application interface. A modal window titled "Table" is open, showing a table with the following data:

Name	Department	Required_Items
Ajay	HVAC	-
Deepak	Housekeeping	-
Ramesh	Electricity	-
Rahul	Security	New Uniforms men
Anup	Audio/Video	XLR cable,Mic stand

Below the table, there are three buttons: "Approve", "Disapprove", and "Cancel". To the right of these buttons is a text input field labeled "Enter Username:". The background of the application shows a sidebar with two buttons: "LOGISTICS" and "MEMBERS".