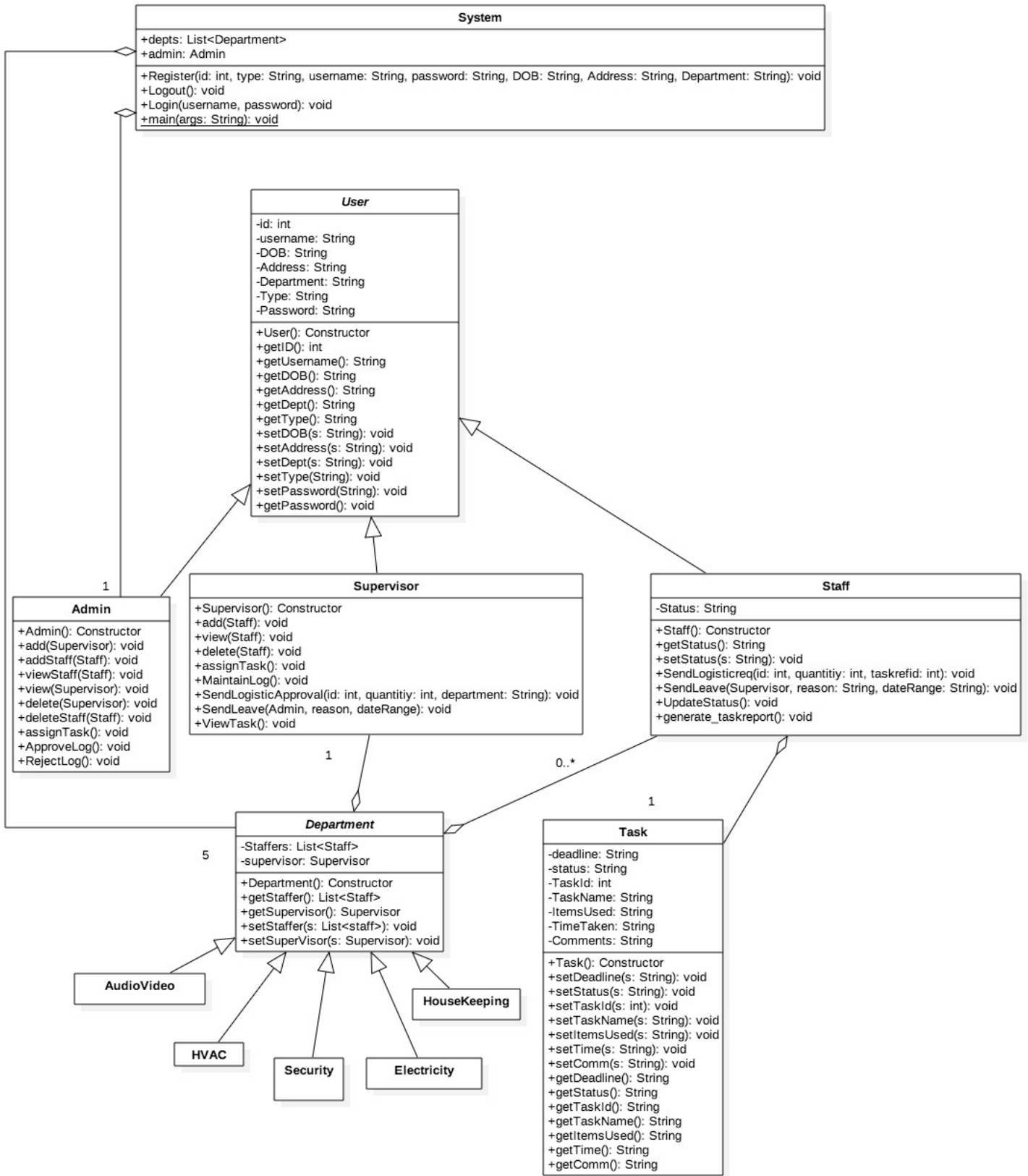


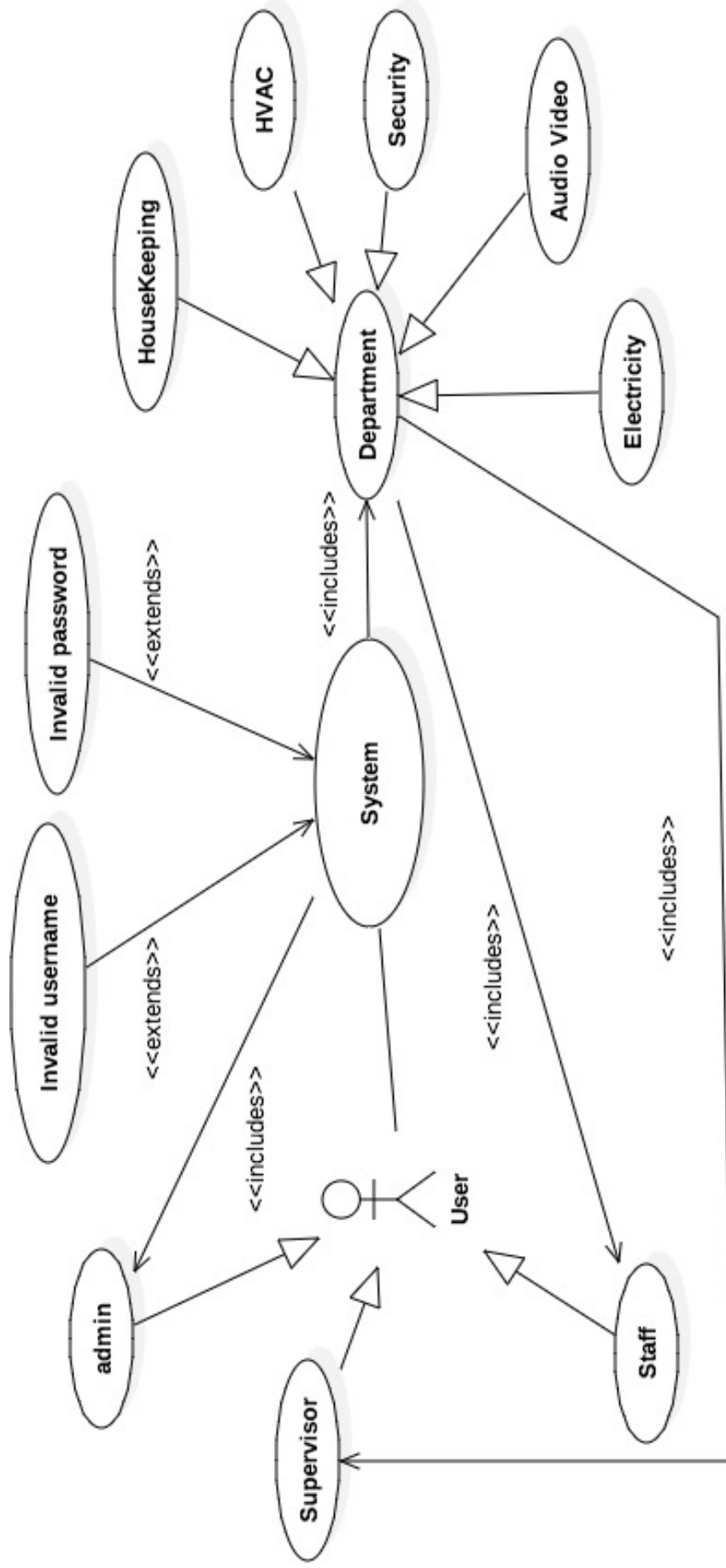
Lab Assignment 7

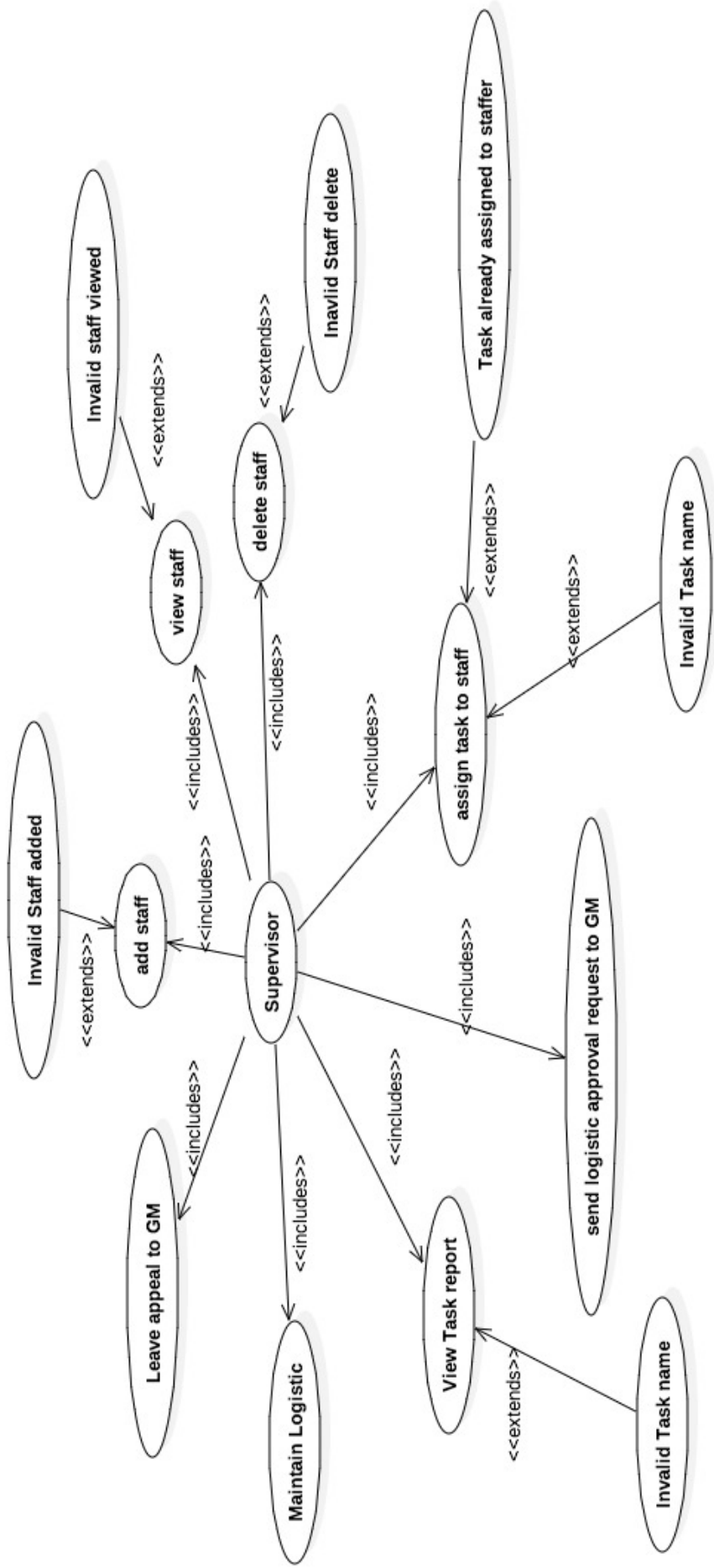
-Shaan Chopra(2015090)
-Gunkirat Kaur(2015032)

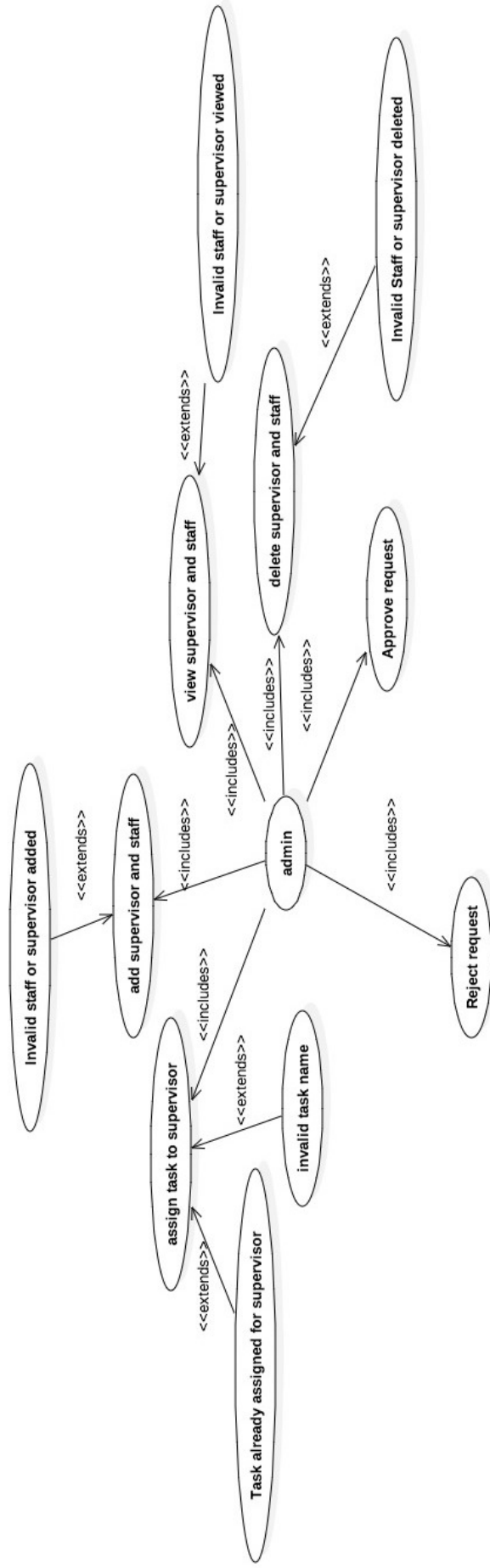
Class Diagram

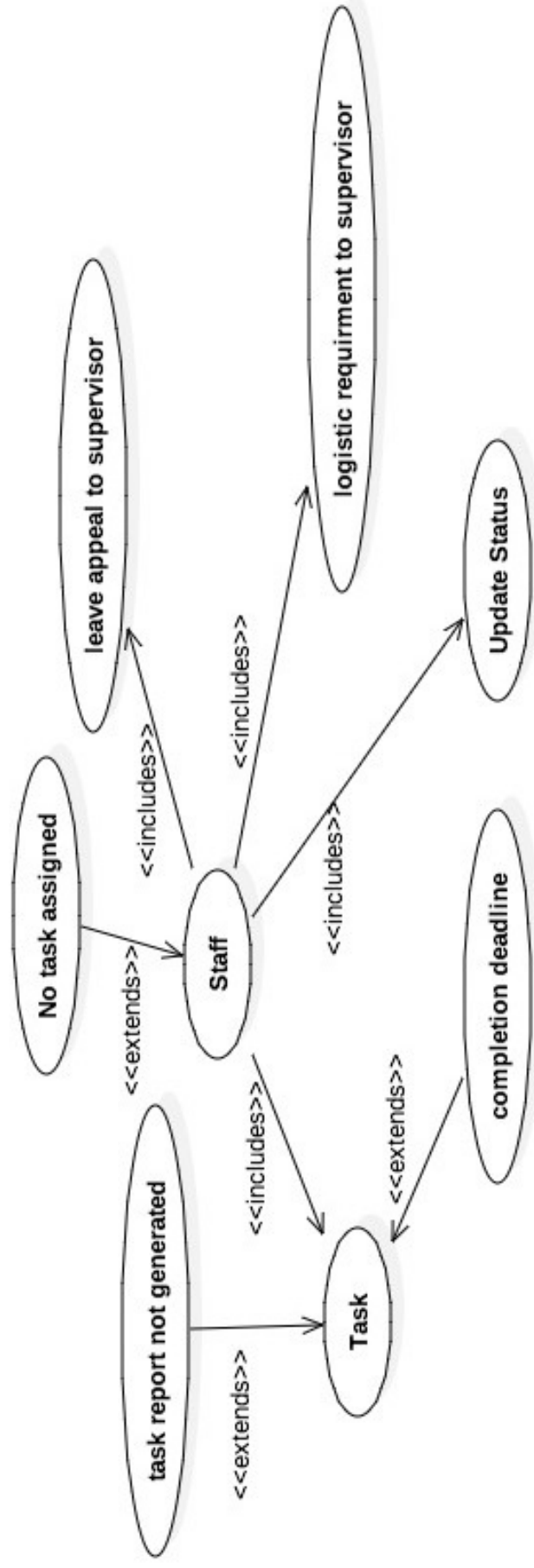


Use-case Diagrams









Variables and method description

1.System Class

Variables:

- public depts- List of Departments
- public admin of type Admin

Methods:

- void Register(int id, String username ,String type ,String password ,String DOB ,String address ,String Department) – Registers the supervisor, staff, admin and assign them the following parameters.
- void Login(String username ,String password)-Logins admin, supervisor, staff with following username and password.
- void Logout()-Logout admin, supervisor, staff.
- void main(String args[])

2.User Class(Abstract)

Variables:

- private id of type int
- private username of type String
- private password of type String
- private DOB of type String
- private Address of type String
- private Type of type String
- private Department of type String

Methods:

- getter/Setter for private attribute
 - int getID()
 - String getUsername()
 - String getDOB()
 - String getAddress()
 - String getDept()

- String getType()
- String getPassword()
- void setDOB(String s)
- void setAddress(String s)
- void setDept(String s)
- void setType (String s)
- void setPassword(String s)

3.Admin Class

Methods:

- void add(Supervisor s)-add Supervisor s
- void addStaff(Staff s)-add Staff s
- void view(Supervisor s)-view Supervisor s
- void viewStaff(Staff s)-view Staff s
- void delete(Supervisor s)-delete Supervisor s
- void deleteStaff
- (Staff s)-delete Staff s
- void assignTask()-assign Task to supervisor
- void ApproveLog()-approve logistic by supervisor
- void RejectLog()-reject logistic by supervisor

4.Supervisor Class

Methods:

- void add(Staff s)-add Staff s
- void view(Staff s)-view Staff s
- void delete(Staff s)-delete Staff s
- void assignTask()-assign task to staff
- void MaintainLog()-maintain logistic of their respective department.
- void SendLogisticApproval(int id,int quantity,String Department)-send logistic approval to GM
- void SendLeave(Admin s,String[] reason,String dateRange)-Send leave to GM
- void viewTask()

5.Staff Class

Variables:

- private status of type String

Methods:

- getter/Setter
 - String getStatus()
 - void setStatus(String s)
- void SendLogisticreq (int id, int quantity, int taskrefid)-send logistic requirement to Supervisor
- void SendLeave(Supervisor s,String[] reason,String daterange)- send leave to department Supervisor
- void UpdateStatus():Update task to ongoing or complete.
- void generate_taskreport(): generate task report and saved in pdf or text format.

6.Department Class(Abstract)

variables:

- private Staffers of type List<Staff>
- private supervisor of type Supervisor

Methods:

- getter/setters
 - Supervisor getSupervisor()
 - List<Staff> getStaffers()
 - void setStaffers(List<Staff> s)
 - void setSuperVisor(Supervisor s)

7.Task Class

variables:

- private deadline of type String
- private Status of type String
- private TaskName of type String

- private TaskId of type int
- private ItemsUsed of type String
- private TimeTaken of type String
- private Comments of type String

Methods:

- getter/setters
 - void setDeadline(String s)
 - void setStatus(String s)
 - void setTaskId(int s)
 - void setTaskName(String s)
 - void setDeadline(String s)
 - void setItemsused(String s)
 - void setTime(String s)
 - void setComm(String s)
 - String getDeadline()
 - String getStatus()
 - int getTaskId()
 - String geTaskName()
 - String getItemsUsed()
 - String getTime()
 - String getComm()