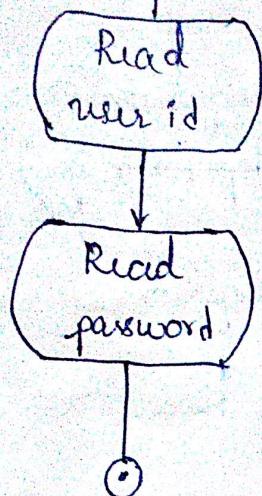
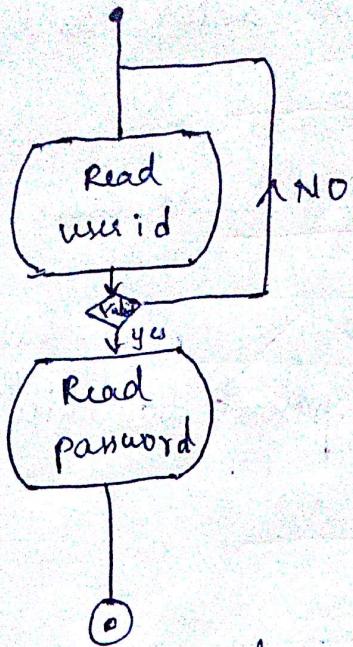


① Activity diagrams :-  
signing in :-

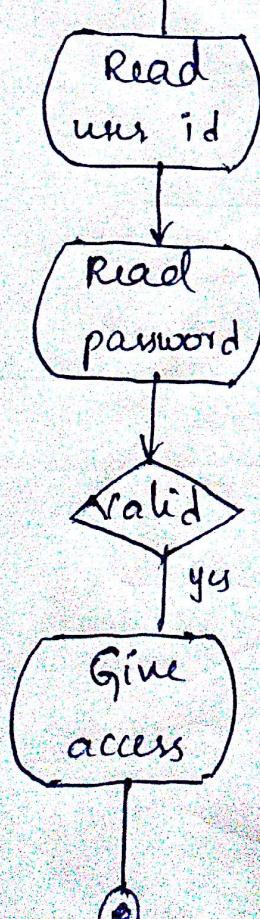


Normal flow

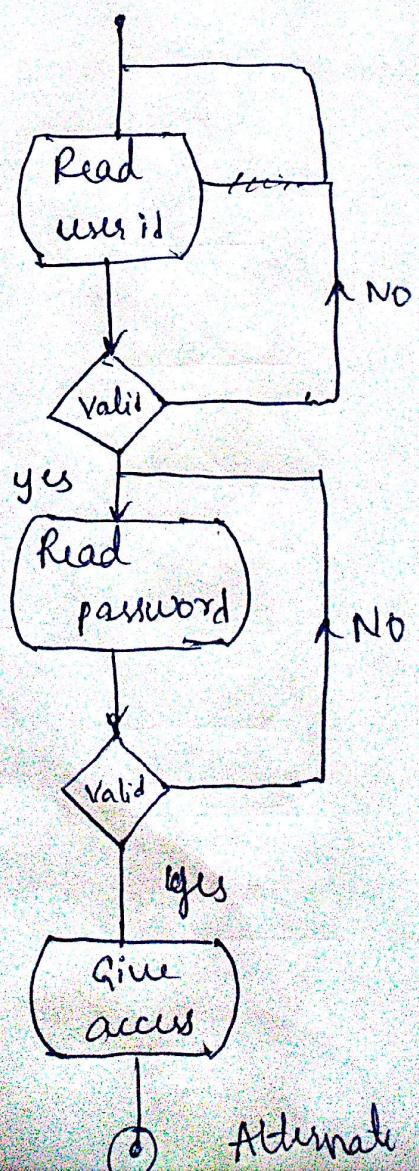


Alternate flow

② Logging in :-

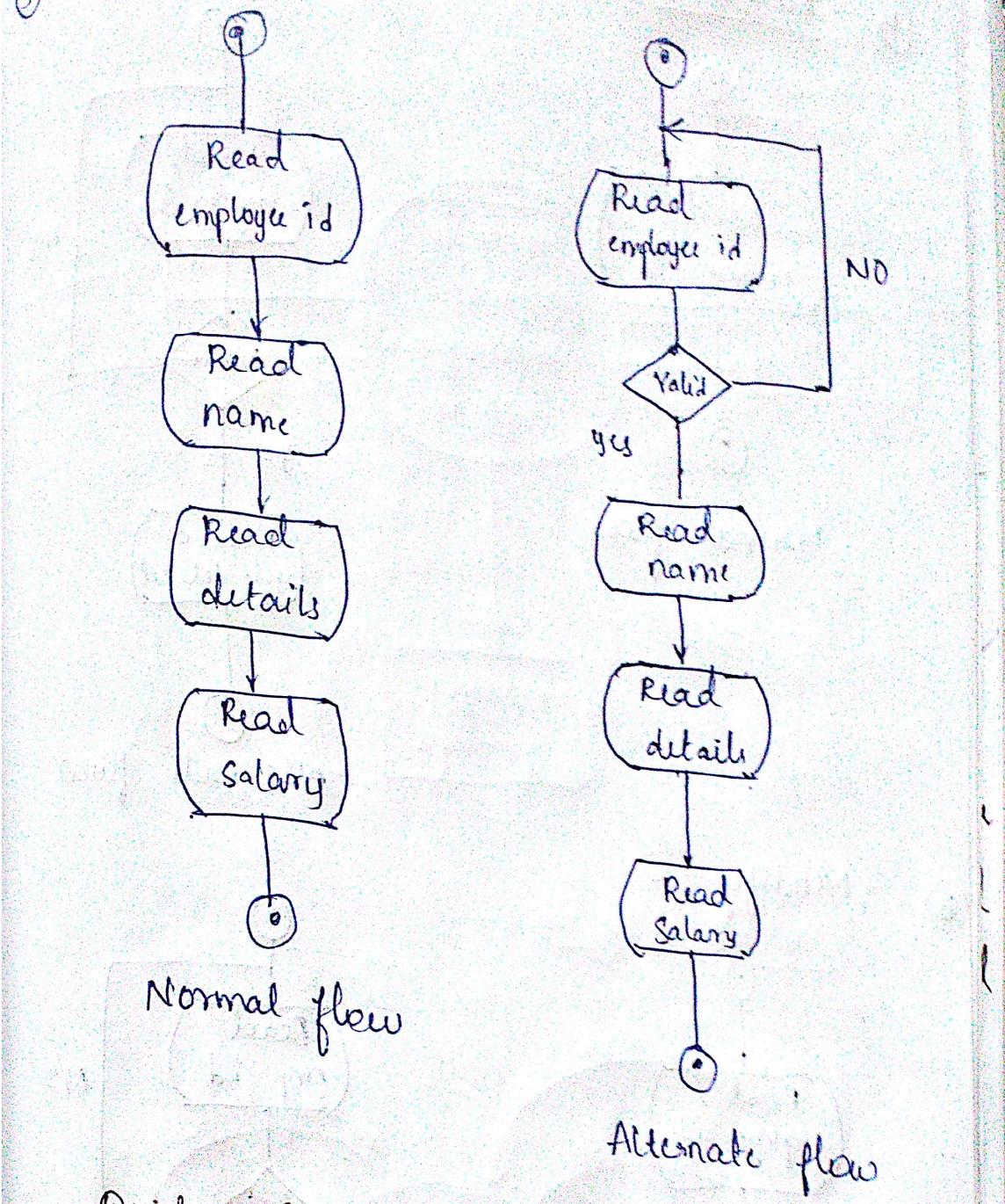


Normal flow

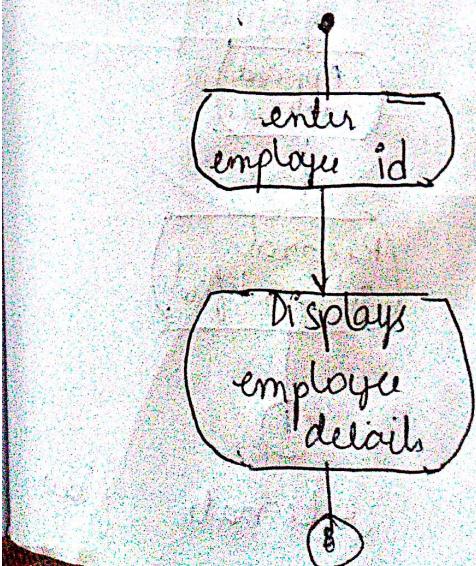


Alternate flow

### ③ Add new employee :-



### ④ Displaying :-

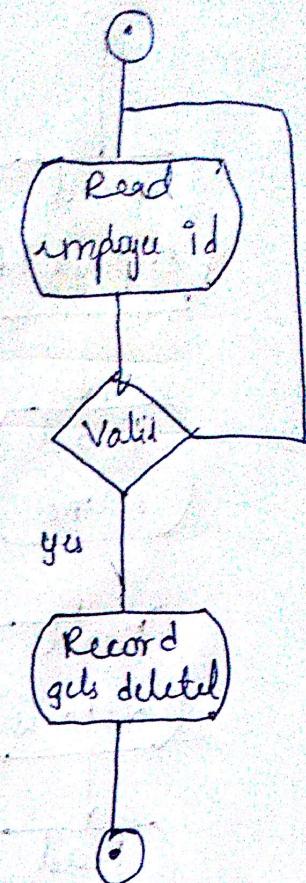


5

Deletion :-



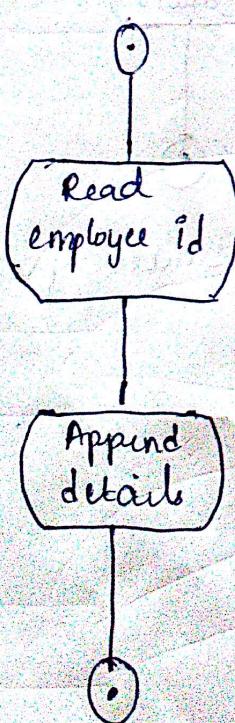
Normal flow



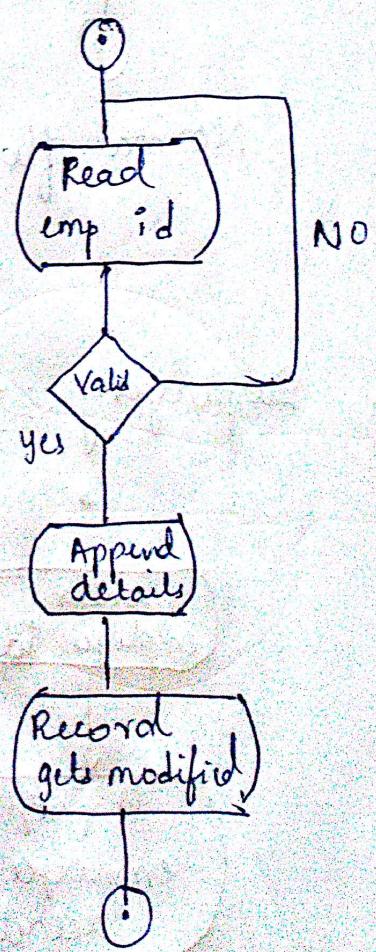
Alternate flow

6

Modify :-

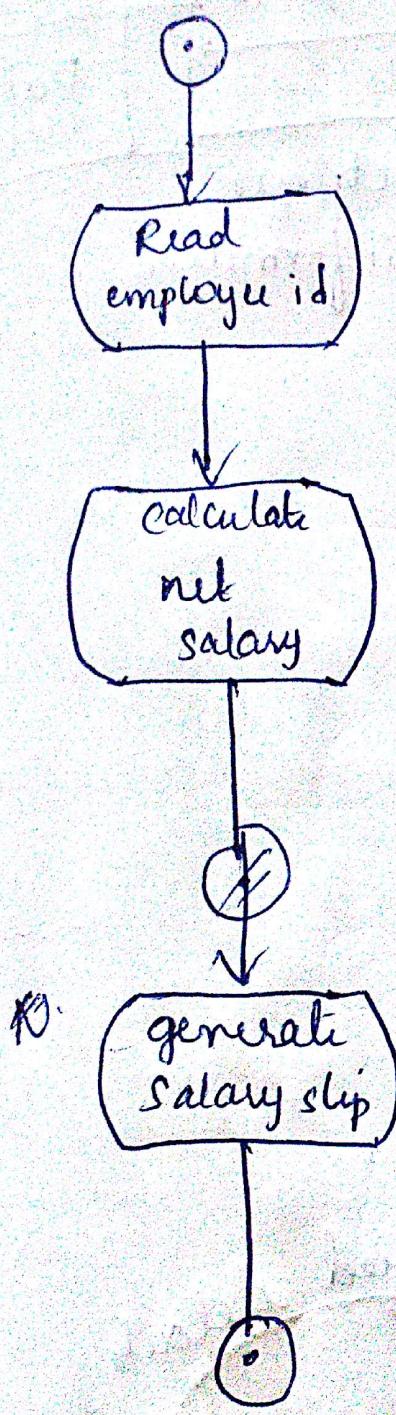


Normal flow

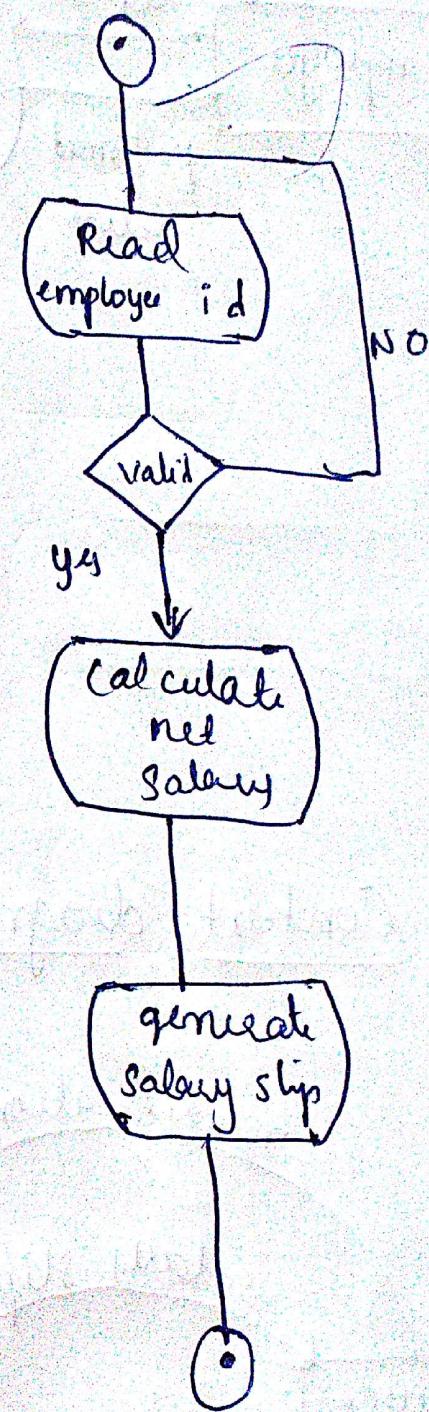


Alternate flow

# salary slip

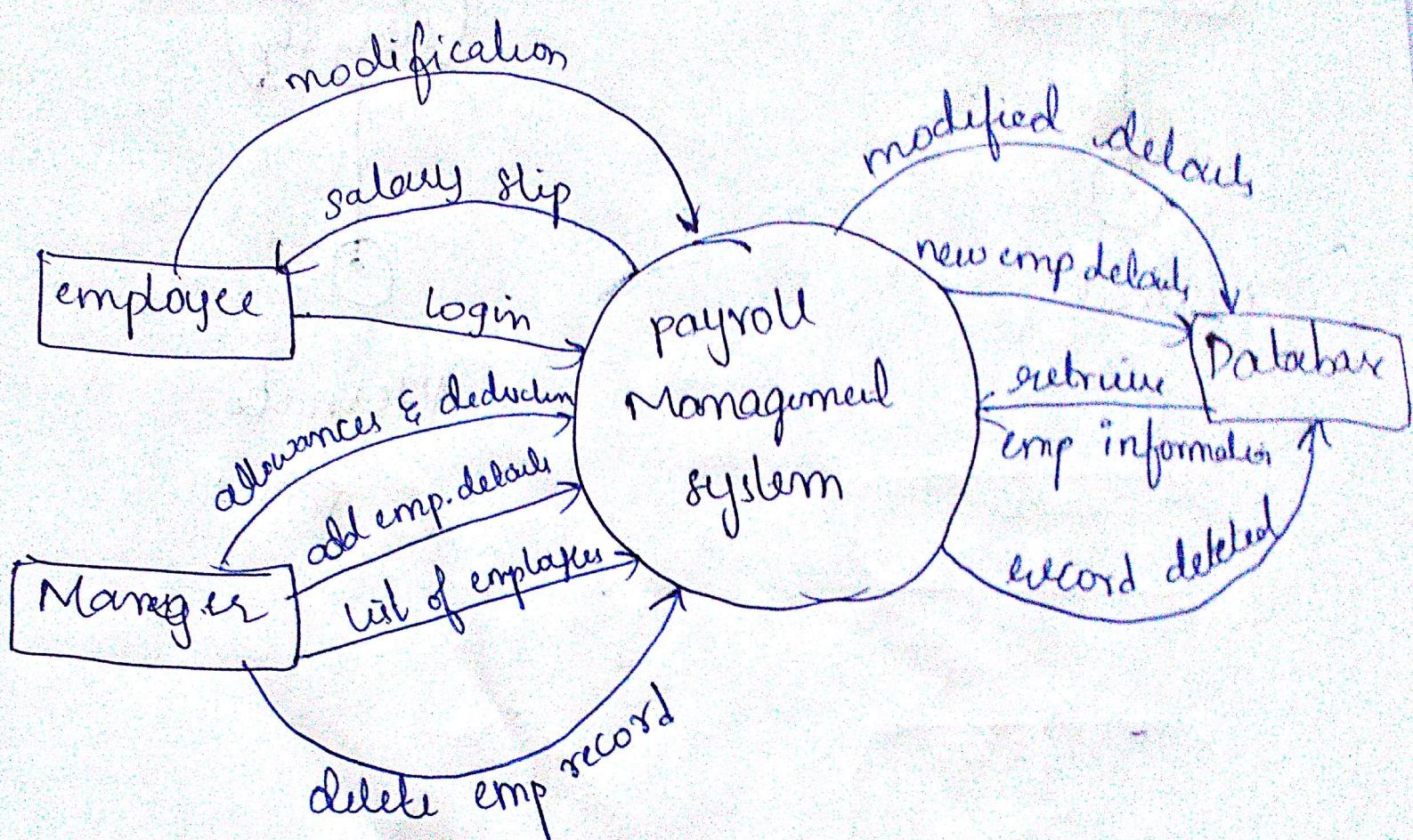


Normal flow



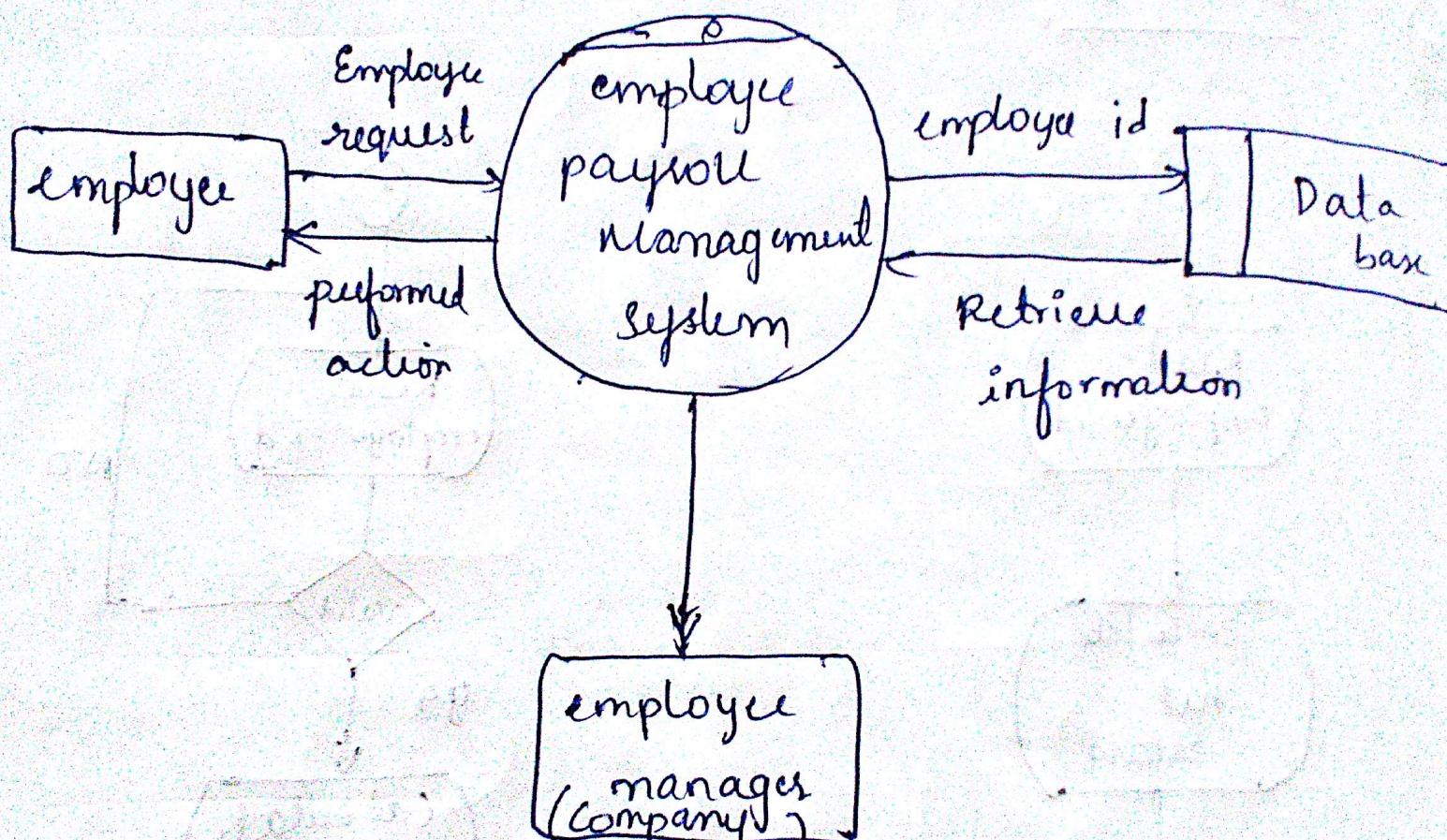
Alternate flow

## Context diagram :-

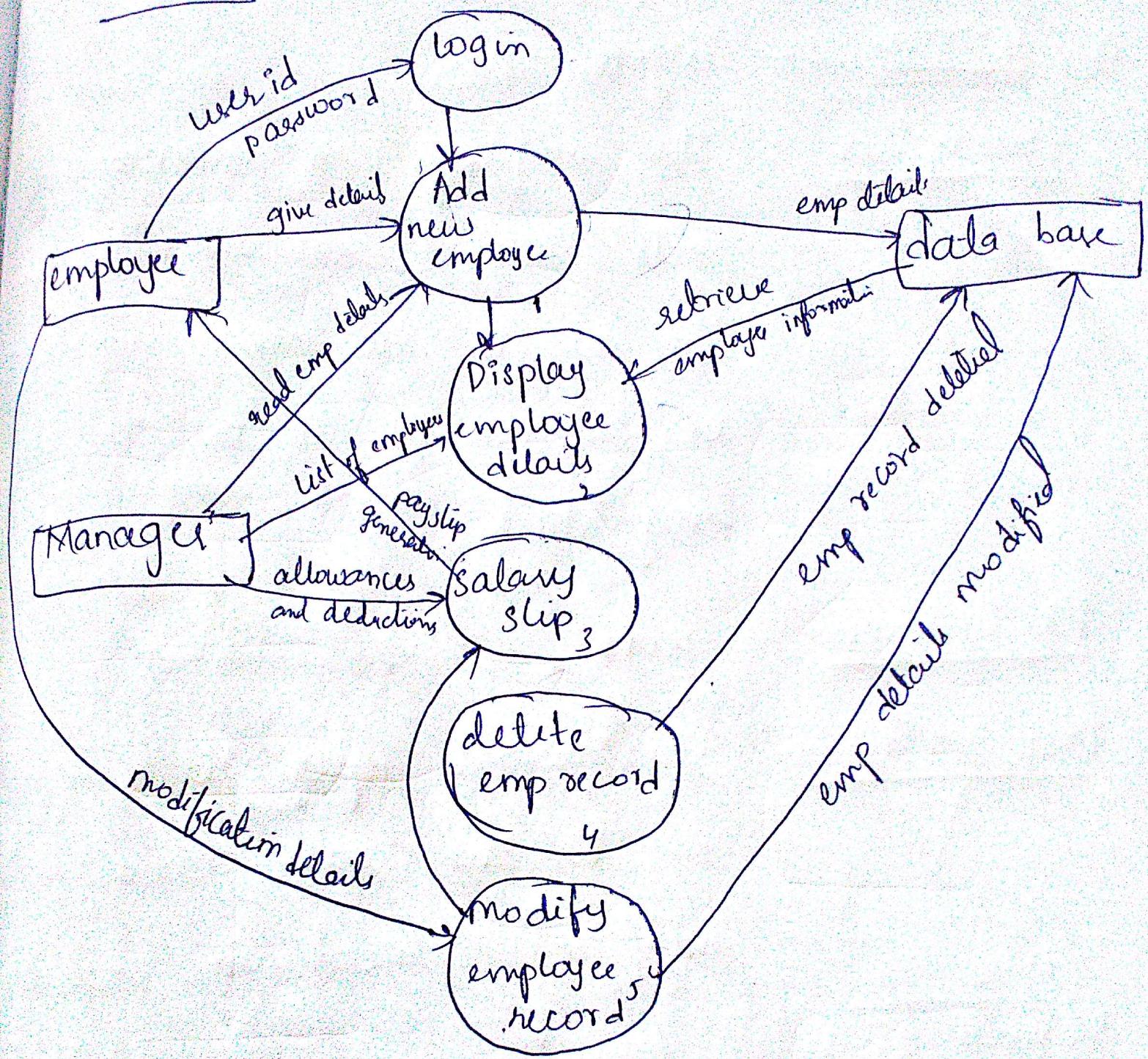


## DFD

level 0 :-



level 1 :-



## Use case Descriptions

1) usecase :- login

Description : The employee or manager gets logged in whenever he / she wants to access information or to modify it or to do any task

Precondition :- None

Post condition :- Once the employee gets logged in, he / she can access to the info i.e stored in database

Normal flow :- After getting logged in, monitor displays all options that one can do with data

Alternate flow :- If the username or password gets invalid, then the flow of execution gets altered again it asks for valid authentication codes

2) use case :- Display

Description :- Whenever the employee or manager gets logged in and chooses the display option, the screen shows all the data i.e. present in database.

Precondition :- login

Post condition :- getting or viewing details of several ~~particular~~ employees

Normal flow :- The details about all the employees ~~that~~ that are present are displayed.

Alternate flow :- If there is no data, it results with message showing no data available.

3) use case :- Deletion

Description :- If the user opts deletion option, he must enter the id and then it gets deleted in database.

precondition :- login and valid id number

post condition :- the data that is associated with the id number gets deleted from database

Normal flow :- Deletion of employee record

Alternate flow :- If the ~~user~~ employee manager don't enter valid id numbers, then it shows that no such ~~user~~ exists

4) use case :- Adding

Description :- If the employee <sup>or manager</sup> enters adding option, he has to enter several details of the ~~user~~ to be ~~user~~ employee entered

precondition :- login

post condition :- Adding of employee details in database

Normal flow :- whenever the employee gives several details, ~~about~~ it gets entered into database.

3) use case :- Modify

Description :- If the employee or manager enters modify option, he has to enter the details to be modified

precondition :- login and valid id number

postcondition :- The data that is associated with id number gets modified from database

Normal flow :- Modification of employee details

Alternate flow :- If manager don't enter valid id number, then it shows that no such record exists

6) use case :- Salary slip

Description :- If employee or manager enters this option, the basic salary is calculated

precondition :- login and valid id

post condition :- salary slip generation

Normal flow :- Calculation of net salary

Alternate flow :- If the id number entered is not valid, then it shows that no such record exists

