

Employee class

Types

Empl
hour

→ hourly rate

→ Date / Time (Use case)

> 8 → 1.5 → Nox-rate

Salary

• Flat

• paid at last
word of
month.

• month sal
→ one field.

Some Commissioned
sale Comm rate → field

Method of Payment

✓ ↓ ↓

Union Member

Consider a virtual DB class which stores

Employee Object

→ add ✓

→ Remove ✓

→ Top emp ID ✓

Update Empla Object

Just delete emp T

→ INTEGERS

Employee Class

Fields

int empID (final)

Name ✓

Address ✓

Type → hourly Pay ✓

→ Salaried Pay ✓

hourly rate

hours till pay date

is pay date → is paid

Pay Choice

Methods

~~Can~~ lotren

bool can be par

is pay (Date)

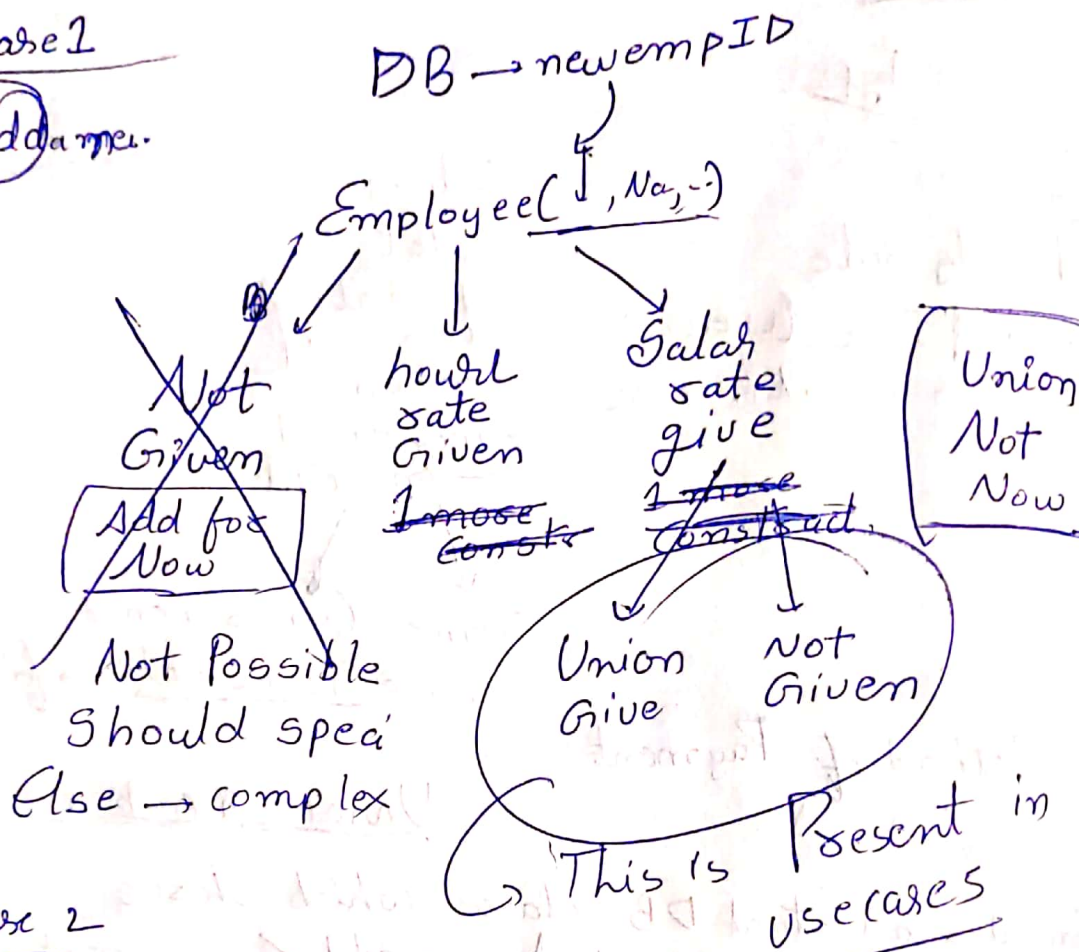
hourly → field

Salat → ~~Sat~~ Monday

Use Cases → implement a Action Interface

Use case 1

Add new.



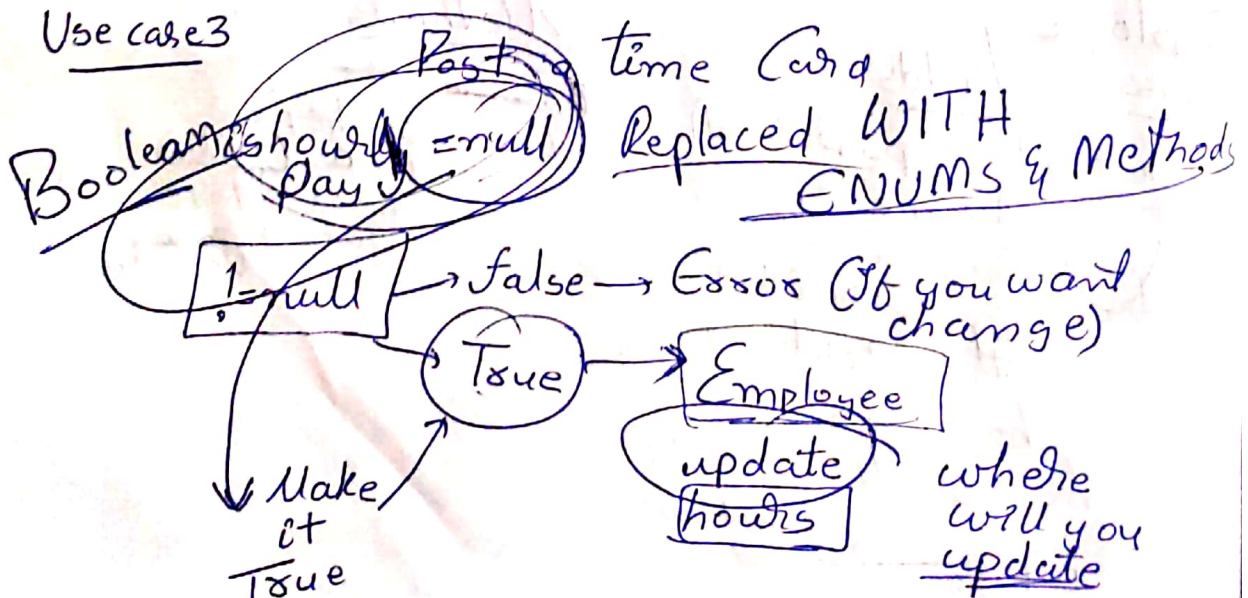
Use case 2

Delete

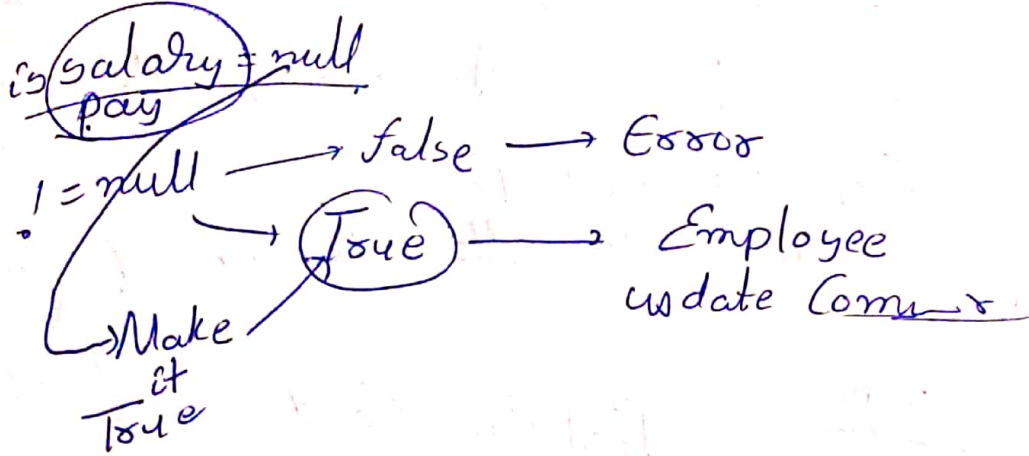
DB. delete
remove ()

Post a
Union
Membersh

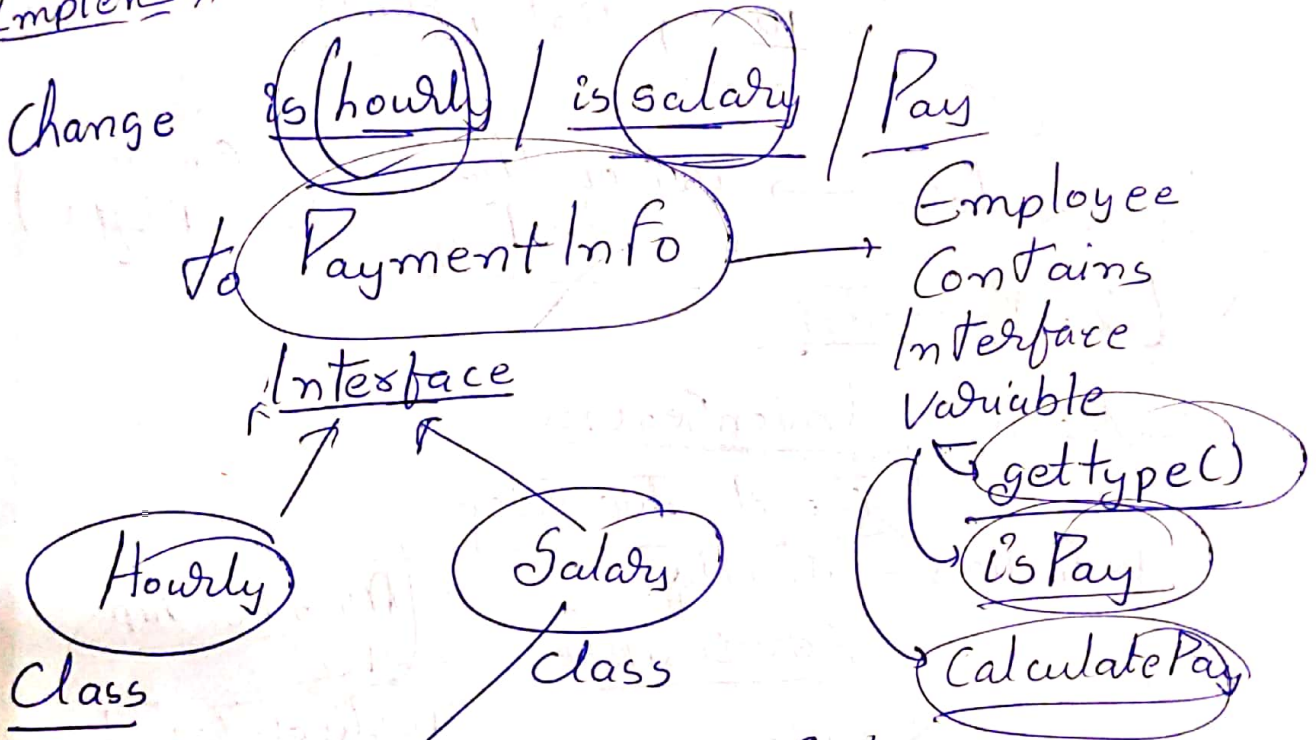
Use case 3



Use case 4 Sales Receipt



Implem →



Interface can be Type Casted

(Hourly) P. updateTime Card ()

If No Commissions → commission rate = 00

Sales map = null

Add Employee

String Name, Address, holiday, Pay
Name, Address, Salary, Comp rate

Empl ID not Passed
(Because To allow Persons of Same Name)
but diff ID

Remove Empl

ID

Post Time Card

ID, Date, hours

Employee class → is Hourly Pay
is Salary Pay

(enum ptype)

Like Paymenttype

Maintain Union Service

Deductions → weekly due rate
(Weekly)

Agess Service

Membership fee
Festival fees

SALES, REC

But Before Calculate Dues

c. Hourly Pay
FRIDAY
Pay → +ve

if Union member

Deductions → -ve
Pay - Ded ≥ 0 Pay tot
Pay - Ded < 0 Add Due
No Pay chkd

c. Salary Pay

Month Calculate

c. net (isPay())

c. Hourly Pay

c. Salary Pay

Payroll
also
for Dues

For Empl

c. Hourly Pay
c. is Pay (Pay)

Payroll Run one day

for each e

1) If Hourly Pay
→ Post Time Card.
If Union & weekend → ~~Calculate~~
Not Union
If Salary Pay
If Commission
~~Not Union~~ Post Sales Receipt
If Union & Weekend → Calcu Dedu
Not Union

2) If isPay(e)

If Hourly Pay

Pay → +ve

If Union & Weekend
→ ~~Pay~~ Deducts → -ve

if $\text{Pay} + \text{Dedu} \geq 0$
Payd

else
Add Due

→ (?) Yes or No

If Salary Pay

If $\text{Pay} + \text{ve}$
Comm's (Total)
~~Pay + ve~~

Total Payed com
→ Pay + ve

If Union & ~~weekend~~

→ Deductions Till now
→ -ve

~~Not Union~~
If $\text{Pay} + \text{Dedu} \geq 0$
Payd

else
Add Due

Deductions have objects Due
Service charge
weekly due rate individual

Which means It should be given
while adding close diff to ma

Now
Use Case 5 → Add a Service ~~Club~~ Fee,
Post a Union Action
Membership
Service Charge Comes Under fee

Decide Fee Division ?

Service fee → EmpId, date, fee,

→ Since User not creating a new
Reference of Employee. If you
change in Union Member —

Update Calcul → Hourly Pay
→ Salary Pay

Design Once you Calculate Pay
All are cleared

Total everytime Calculate Pay
is called

After Once Payed
Dues & Prgm are cleared

Hourly Pay → accumulate Hours per Day
and Pay all at Friday

Salary Pay → accuml all commi per Friday
and Pay all that at Month.

Due → Dues whole ca

Union Charges → Total Weekly Dues + Total Fees → Updated
By Payroll

Payroll system ~~Action~~

Update → Employee Name, Address

→ Hourly Rate
→ Commisic Rate
→ Due Rate

Interfaces → Payment Info → Hourly Pay
Salary Pay

Action