Emplist

- emp : Hashtable<Integer,employee>

+ addemp():void
+ updateEmp():void
+ showemp():void
+ removemp(int):void
+ getemp(int) : employee
+ addmoney():void

Cal

- cal: Calendar

+ day(): int
+ month(): int
+ year(): int
+ adday(): void
+ isfriday(): boolean
+ weekday(): int
+ islastofmonth(): boolean

employee

- EID : int
- Emp_id : int
- is_active : boolean
- name : String
- emp_type : int
- pay_type : int
- address : String
- bank_acc : String
- curr_bal : double
- day_count : int
- fri_cnt : int
- per_hour : double
- flat_salary : double
- sales : double
- com_rate : double
- uni_due : double
- charge : double

+ changeemptype(int) : void
+ getemptype() : void
+ getID(): int
+ showdetails() : void
+ changepaytype(int) : void
+ changebank(String) : void
+ changeadd(String) : void
+ changecomission(double):void
+ getcomission():double
+ changeflatsalary(double):void
+ getflat() : double
+ changehoursalary(double):void
+ gethour():double
+ delemp():void
+ changeunidue(double):void
+ getunidue():double
+ addcharge(double):void
+ getcharge():double
+ getbalance():double
+ setbalance(double):void
+ setsales(double):void
+ getfricnt():int
+ setfricnt(int):void

Head

- Work: Hashtable<Integer,Hashtable<Calendar,Double>>
- Sale: Hashtable<Integer,Hashtable<Calendar,Double>>

+ addwork(int , double) : void
+ addsale(int , double) : void
+ addworkmem(int): void
+ addsalemem(int) : void
+ payroll() : void
+ Timecard(int) : void
+ Salecard(int) : void
+ main() : void

union

- unimem: Hashtable<Integer,employee>

+ addcharge(): void
+ getcharges(): void
+ addtounion(int): void
+ removetounion(int): void
+ showmember(): void

Fig. Class Diagram

The project has 5 classes

(i) Cal : It is used for calendar . No object of this class is created instead the static variable cal is used for calendar and directly used by static methods binded to class.

(ii)employee : This class contains all details of employee and functions to get and set their values. This is the only class whose objects are created.

(iii) Head : this is the class with main method. Other than that Sale card and time card methods are also implemented in this class.

(iv) Emplist : This class has details of all employees and methods that are called on all employees such as daily work hour details etc.

(v) union : This class has details of all union member and all methods that are called on union member such as fees collection on friday etc.