Project name

Workers salary management system

WELCOME MESSAGE

HERE IS YOUR SUBTITLE



I am programmer and as a programmer I solved the different problems using programming language. There is a problem which I am going to solve by making workers salary management system application. Workers salary management system was required to me from the Workers manager who is living in my village . So, I will try my all to develop a good application by which he may take help.

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Problem

In our village, there is a manager who manages workers and them salary . The workers work of construction. Manager take attendance of every worker in every day and then give salary of workers after week. The manager has to face many problems for managing salary and paying salary of workers. So, there is need of such a console based application as help of manager for managing and workers salary . In an application, the manager store data of workers name, father name, phone number , and waging of worker of a day. application provide following facilities to manager of managing salary of workers :

Manager take attendance of workers if worker is present then application automatically store waging of worker of a day in salary of worker and if worker is not present then store 0 in his salary. Application provides record of every worker. Record consists of name, father name, phone number and waging of worker of a day, and also consists of all the days in a week with date, with name of days, in which days worker is present or not present, and record is also consists of total salary of worker in a week according to attendance of worker. If worker take advance rupees from manager then that rupees will be subtracted from total salary of worker in record of a worker.

If manager wants to get record of specifics worker, then he can get record of specific worker in an application.

Workers Salary Management System

If manager wants to get record of all workers, then he can get record of all workers in an application.

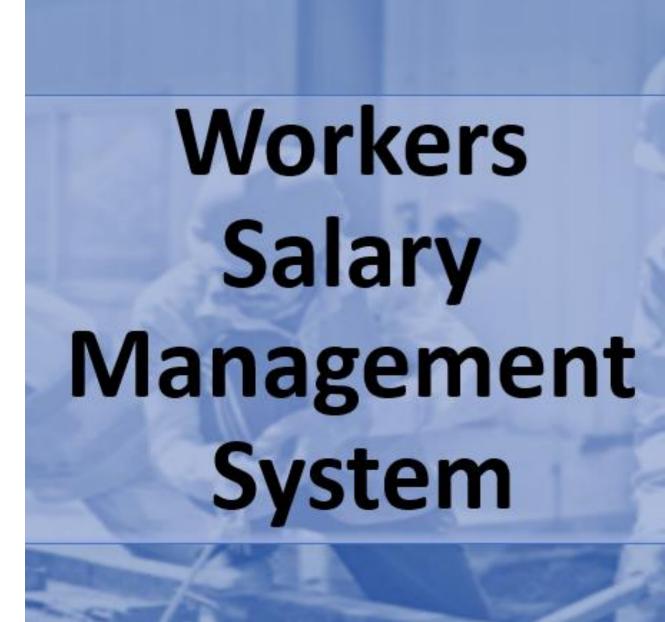
If manager wants to get sum of all the salaries of all workers, then he can get in an application.

Application provides the facility of clear record else name father name, phone number and waging of worker of a day, if worker take his salary after a week.

If worker does not want to take his salary after a week, then application provides the facility to save record of the worker.

If worker wants to get salary after two ,or more days or week or month, then application provides the facility to worker for taking salary at any time from manager.

If manager wants to change waging of a specific worker of a day then he can change in an application.

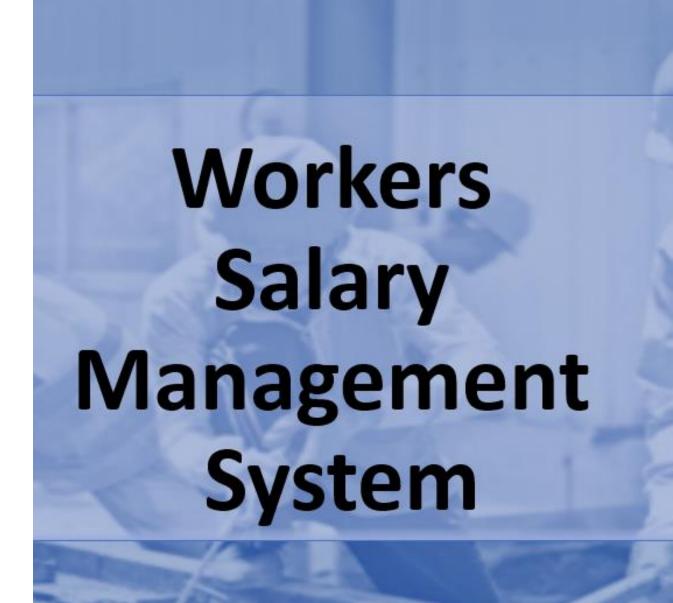


Application also provides the facility for getting total numbers of worker.

Application also provides the facility for deleting any worker.

Application also provides the facility for changing any thing like name, phone number in the record of worker.

Application also provides facility for getting anything like name, phone number of worker.



Solutions

Workers salary management system may be consists of many classes but from these classes worker organizer consists of following method and these method may be not enough for worker organizer class other method will be added according to requirements



Print record of specific worker

This method will print record of a specific worker. The record consists of name, father name, phone number and daily waging salary and total salary of a worker and all the days in which he worked



Delete worker

This method will delete of a worker



Print name

This method will print name of all worker

Print record of all worker

This method will print record of all student



Clear record

This method will delete record of worker else name, father name, phone number, waging of worker of a day



Add workers

This method will add worker's name, father name , phone number and waging of a worker of a day



Attendance of workers

This method will take attendance of worker .this method also consists of print name method and add waging in salary of worker.



Sum of salaries of all worker

This method will addition of salaries of all workers



Add waging in salary of worker

This method will add waging of worker of day in salary of a worker if he is present

Purposed Class Diagram Part 1 Worker Name: String Father_Name : String Phone_number : String WorkerOrganizer Waging: int Salary: int PrintRecord Date : ArrayList<String> Name: String Attendance : ArrayList<String> Father_Name : String present : ArrayList<integer> Phone_number : String This is child class of WorkerOrganizer aphsebt : ArrayList<integer> Waging: int Addavance_rupees : int Worker : ArrayList<Worker> extends Name: String getData: ArrayList<Worker> Worker(name,F name,P num,w) WorkerOrganizer() setName(name) +addWorker(name,Father_Name,phone_number,waging) printRecord() setFatherName(name) +searchWorker(name) +print_record_of_spacefics_worker(): setPhoneNumber(p_n) +removeWorker(name) Methods of different classes will be used in setWaging(w) +printName_of_all_workers() this method like getName(): String +total_number_of_worker() setPresent(), display(), getAphsent(), getFatherName(): String +change_waging_of_Worker(name) getSalary() etc. getPhoneNumber():String Sum_of_salary_of_all_workers() Print_record_of_all_worker(): getWaging(): int +display() Methods of different classes will be used in setAttendance(attendance) this method like setDate(date) setPresent(),display(),getAphsent(),getSalary() setPresent(p) etc. setAphsent(a) getPresent(): int getAphsent():int getSalary(): int display() **Attendance** Addvance_rupees_and halfday_of_working Record This is child class of WorkerOrganizer This is child class of WorkerOrganizer Attendance : String This is child class of WorkerOrganizer Date: date Addvance_rupees : int todayDate: String Name: String yesterdayDate : string Name: string getData: ArrayList<Worker> getData: ArrayList<Worker> getData: ArrayList<Worker> Addvance_rupees_and halfday_of_working() -Attendance() Record() +setAddvance rupees(name): +setAttendance(): +clearRecord(name): This method will be consists of methods of other classes this method will be consists of many This metho will clear record of worker else name, +sethalf_day_of_working(name): methods father name, phone Number and waging of worker This method will be consists of methods of other classes

Purposed class diagram part 2

Main

Name: String

Father_Name : String Phone_number : String

Waging: int

a : int b : int check : int

attendance: String

following classes which will be used in this class

workerOrganizer Attendance PrintRecord

Addvance_rupees_and halfday_of_working

Main()

Following methods of different classes will be used in this classs:

- +addWorker(name,Father_Name,phone_number,waging)
- +searchWorker(name)
- +removeWorker(name)
- +printName_of_all_workers()
- +total_number_of_worker()
- +change_waging_of_Worker(name)

setAttendance(p)

printRecord_of_all_worker()

setHalf_day_of_working(name)

setaddvance_rupees(name)

Sum_of_salary_of_all_workers()

Class Diagram part 1

Worker

Name : String Father_Name : String Phone_number : String

Waging : int Salary : int

Date : ArrayList<String> Attendance : ArrayList<String>

no_of_presents : int no_of_aphsents : int no_of_half_presents : int halfday_waging : int Addavance_rupees : int

Worker(name,F_name,P_num,w)

setName(name) setFatherName(name)

setPhoneNumber(p n)

setWaging(w) getName() : String

getFatherName(): String getPhoneNumber():String

getWaging(): int

setAttendance(attendance)

setDate(date) getPresent(): int getAphsent():int

get_halfday_presents():int setaddvance_rupees(int H_r)

getAdvance_rupees:int cut addvance rupees()

getSalary_afterCut_ad_rup : int

getSalary(): int display()

WorkerOrganizer Name: String Father Name: String

Father_Name : String Phone_number : String

Waging: int

Worker : ArrayList<Worker>

All the others variable have been declared in every methods . in this way , there will be no problem of declaring variables because different methods use the

Extends

variables same.

WorkerOrganizer()

+addWorker(Worker w)

+write_Workers()

+read_Workers()

+searchWorker(name)

+removeWorker(name)

+printName_of_all_workers()

+total_number_of_worker()

+Edit_Worker(name)

Sum_of_salary_of_all_workers()

+display()

Print_Record

This is child class of Clear record class

Name: String

I:int J:int

Result : int
Result : int
Result1 : int
Result2 : int
Result3 : int
Flag : boolean

Print_Record() +Clear record()

this is abstractmethod of clear class

+print_record_of_spacefics_worker():
Methods of different classes will be used in
this method like getAttendance(),Getdate()

getSalary,getpresents etc.

Print_record_of_all_worker():

Extends

Methods of different classes will be used in this method like

getPresent(),display(),getAphsent(),getSalary()

getAddvance_rupees etc.

Extends

Attendance

This is child class of WorkerOrganizer

Attendance : String date: LocalDate name : String flag : boolean main_flag : boolean

Indaex:int String date: String

-Attendance() +check_name() +setAttendance():

+setAttendance_of_spesifics_worker()
these method consists of many

logical statemens

Addvance_rupees

This is child class of Attendance

Addvance_rupees : int String_addvance_rupees : String

Name : String Flag : boolean Result : int

Addvance_rupees()

+display() : this method will be used in

this class of worker class +setAddvance_rupees(name) :

Abstract Class

Extends

Clear_Record

This is also child class of Addvance rupees

Name : String

Worker will be accessed using super key Words from the array list in which workers may have added

Record()

+clearRecord(name):

This metho will clear record of worker else name, father name, phone Number and waging of worker and this method is also abstract method

Class Diagrme part 2

implements

Main

Name : String

Father_Name : String Phone_number : String

Waging:int Result:nt Flag: Boolean Flag2,flag3: Boolean

Iterate : int

String_user_requirement : String

Declaration of class

Print_Record obj=new Print_Record()

We will access data of all class classes from using the object of this class because of inheritance

```
+ask name from user() : String
+ask father name from user(): String
+ask_phone_number_from_user() : String
+ask waging of worker from user(): int
Main()
Following methods of different classes will be used in
this class:
+Read_Workers()
+Write Workers()
+addWorker(name,Father Name,phone number,waging)
+searchWorker(name)
+removeWorker(name)
+printName of all workers()
+total number_of_worker()
+change_waging_of_Worker(name)
setAttendance(p)
printRecord_of_all_worker()
setHalf day of working(name)
setaddvance rupees(name)
Sum of salary of all workers()
```

Interface class

Ask_about_worker_information_from_user

Name: String

Father_name : String Phone_number : String

Waging: int Result: int

There is no constructer in interface class

```
+ask_name_from_user() : String

+ask_father_name_from_user() : String

+ask_phone_number_from_user() : String

+ask_waging_of_worker_from_user() : int
```

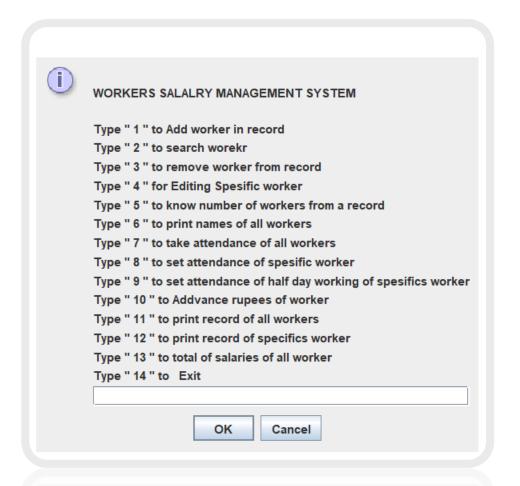


Now I will explain all the solutions of the problems which I explained in problem statements. The solution of the problem will be explained with the screen shots in the following:

Menue

First of all menu will be shown in your screen when you will start workers salary management system application. In menu, you will select all the functionality which you want like adding worker in record, editing worker, taking attendance, to know the number of workers, print record of all the workers, remove worker from the record etc.

Screen shot of the Menue

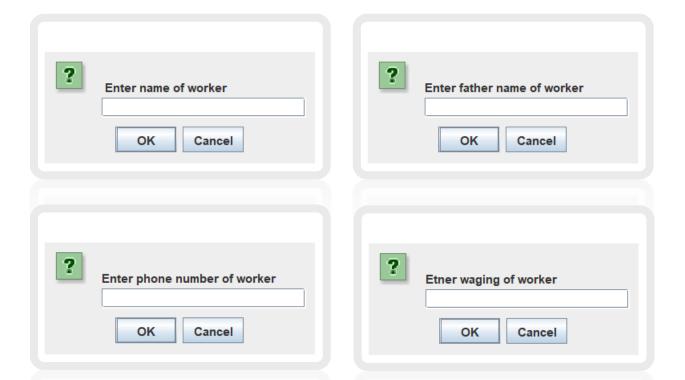




Add workers

first of all you will have to add workers in the record to manage the salary of the workers . In the process of adding you will have to write the name , father name , phone number and waging of the worker.

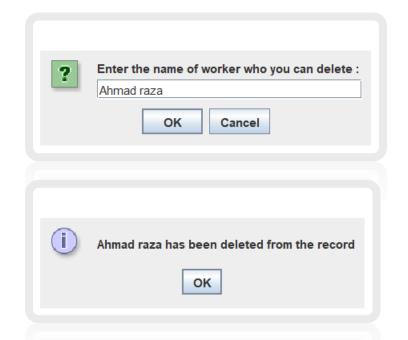
Screen shots of the Add workers



Remove Worker

this function provides to you the facility of removing the worker from the record. if you want to remove the worker from the record than you have to write the name of the worker. If the name of the worker will not find from the record than error will be shown on the screen.

Screen shots of the remove worker

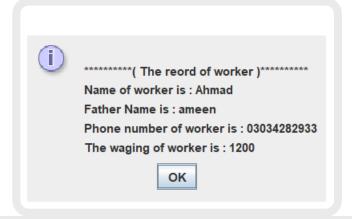




Print record of worker

This function provides the facility to you get the record of specific worker or all the workers. To get the record of specific worker you will have to write the name of worker and then the record of worker will be displayed on the screen. In this record, the name, father name, phone number and the waging of the worker will be displayed. Else it the record of attendance of the worker with the day name, date and attendance will be displayed. and you will also will be told you the total presents, leaves and half presents of the working days. You will also be told you about the advance rupees of the worker which may have been taken from the worker.

Screen shots



Total Presents in working days: 1
Total Aphsent in working days: 1
Total Half attendance is: 0
Waging of Ahmad is: 1200

Total salary of Ahmad is: 1200

Took Advance rupees are: 0
Do you want to cut advance rupees from salary of worker?

Yes
No
Cancel

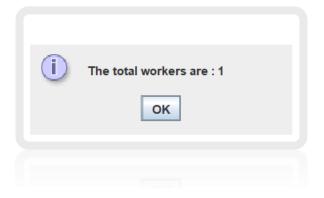




Know the total number of workers

this function provides to you the facility of to know the total number of workers.

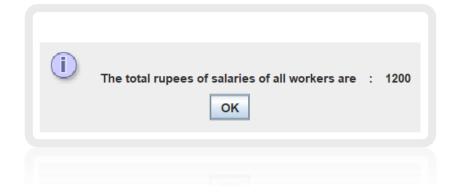
Screen Shot



Total of salaries of all the workers

you can know the total of salaries of all the workers .

Screen Shot

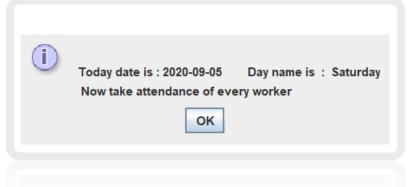


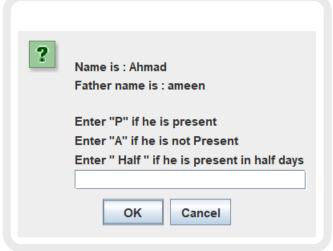


Take attendance of all the workers

This function provides the facility of taking attendance of all the workers . In this function , first of all the the day name and date of the day will be shown on the screen and than you will be allowed to take attendance of the workers. If worker is presents then enter "P" if workers is not present than enter "A" and if worker is half present in the day than enter "Half" .

Screen Shots

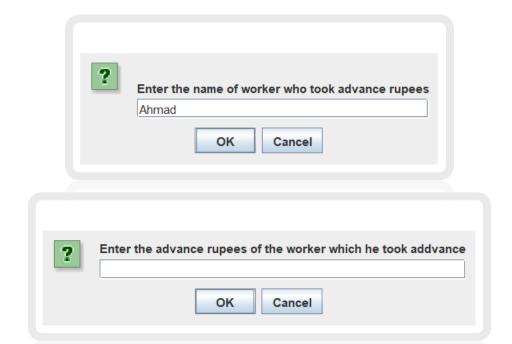




Set advance rupees of worker

This function provides the facility of setting advance rupees of the worker. If worker take advance rupees than enter name of the worker and than enter rupees which the worker may have been taken by you.

Screen shots



THANK YOU

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