Employees module

The program is divided to two main menus: shift menu and employee menu.

When the program is started, the following will be printed :

Enter:

<1> for employees menu

<2> for shift menu

<end> to end the program

To navigate between the different menus enter the text between the parenthesis < > , navigating between the menus and functions included inside them works in the same fashion.

Employees menu

<1> print all employees

<2> add new employee

<3> remove employee

<4> modify employee

<5> modify employee availability

1) **Print all employees** – prints the properties of every employee in the system.

2) **Add new employee** – in order to add an employee, enter the properties of the new employee in the following manner:

<name>,<ID>,<salary>,<bank account number>,<start date>

example: gabi,206421745,56000,123456,22-03-2006

3) **Remove employee** – to remove an employee enter he/hers ID.
4) **Modify employee** – divided into two sub-actions :

<1> add/remove position to employee
<2> update employee property

1)**add/remove position to employee**:
to add/remove a position to an employee enter a command using the syntax:
<add/remove index>,<position index>,<employee id>
add – 0 , remove – 1
Positions:
cashier – 0 , stock keeper – 1 , mover – 2 , driver – 3, shift manager – 4 ,
human resources manager – 5
example: to add employee with id 206421745 the position mover you should
enter the command:
0,2,206421745

2) **Update employee property** – to update an employee's property use the
following syntax:

<property index>,<new value>,<employee id>

Properties: name – 0 , salary – 1 , bank account – 2
example: to change employee's name to gabi (his id is 206421745) use the
command:
0,gabi,206421745

5) **modify employee availability** – to add/remove employee's availability to work
certain a shift use the following syntax:

<add/remove index>,<shift type(morning/evening) index>,<day in week
index>,<employee id>

add – 0 , remove – 1

morning -0 , evening – 1

days in week : Sunday -1 , Monday -2 , …. Saturday – 7

example: in order to make employee gabi with id 206421745 available to work in
Friday evenings use the command:

0,1,6,206421745

<u>Shift menu</u>

<1> print all shifts
 <2> add shift
 <3> add/remove employee to shift
 <4> print employees available for a shift
 <5> remove shift

1) **Print all shifts –**
Prints all shifts with they're properties and the employees who are
assigned to .

2) **Add shift –**
to add a shift use the following syntax:
<shift date>,<day in week>,<shift type (morning/evening index)>
morning - 0 , evening - 1
day in week: sunday - 1 , monday - 2, ... saturday - 7
example: to create a new morning shift in friday morning in 29/4/22 use the
command:
29-04-2022,6,0

3) **Add / remove employee to shift –**
in order to add/remove an employee to an existing shift use the following
syntax:
<shift date>,<add/remove index>,<morning/evening index>,<employee id>
add - 0 , remove - 1
morning - 0 , evening - 1
example: to add employee gabi with id 206421745 to morning shift in
29/4/22:
29-04-2022,0,0,206421745

4) **Print employees available for a shift –**
to print all available employees for a shift use the following syntax:
<day in week>,<morning/evening index>
morning - 0 , evening - 1
day in week : sunday - 1 , monday - 2 ,..., saturday - 7
example: to print all available employees for saturday morning use the
command:
7,0

5) **remove shift –**

to remove a shift use the following syntax:
<shift date>,<shift type (morning/evening index)>
morning - 0 , evening - 1
example: to remove an existing shift in friday morning in 29/4/22 use the command:
29-04-2022,0

Initialization

The system is initialized with the following data:

 3 Employees :

Name:'Mike', ID:1,Positions:[Shift Manager, Stock Keeper], Salary:15000, Bank Account:20001, Start Date:Sat Jan 01 00:00:00 IST 2005
Mike can work only in mornings, every day in the week.

Name:'Hank', ID:2,Positions:[Cashier], Salary:9000, Bank Account:20002, Start Date:Sat May 01 00:00:00 IDT 2010
Mike can work only in evenings, every day in the week.

Name:'Steve', ID:3,Positions:[Mover], Salary:11000, Bank Account:20003, Start Date:Thu Feb 01 00:00:00 IST 2001
Steve can always work.

2 Shifts:
Shift date:Mon Apr 25 00:00:00 IDT 2022 day 2 Evening :
   employees: none

Shift date:Mon Apr 25 00:00:00 IDT 2022 day 2 Morning :
   employees: Mike, ID:1,[Shift Manager, Stock Keeper]
    Steve, ID:3,[Mover]