COOK TIME TRIO

Cook Time Entry System

Objective: Create a time entry system for Cook Employees. This will be a time card entry system capable of recording and reviewing employee clock times.

Requirements:

* The new system will replace the current manual paper method currently used by some employees/managers for time entry;
* Electronic time clocks record employee time in / out for management review;
* If time clocks fail, managers will have the ability to manually record employee times;
* Managers will be able to review times recorded by time clocks;
* A weekly report will be generated for each manager, only for employees under their charge.

**The pseudocode for the Report Module is provided below. The following assumptions are made about the other modules in this project:**

**Manager Module -- NICK**

File Structure:

mEmployeeID, n, fixed, required [input and verified in HR file]

mFullName, c, variable, required [read and concatenated from HR file]

department, c, variable, required [input and verified in HR file]

employeeID, n, fixed, required [input and verified in HR file]

eFullName, c, variable, required [read and concatenated from HR file]

regularStartTime, time, fixed, required

regularEndTime, time, fixed required

This is all copied to a file named DepartmentFile

**Employee Module -- NICK**

File structure:

employeeID, input, verified in DepartmentFile

eFullName, read from DepartmentFile

mFullName, read from DepartmentFile

department, read from DepartmentFile

employeeVerify, c, 1, required

**Timesheet Module AUSTIN**

File structure:

employeeID, read from Employee Module

dateToday, date, fixed, required

dayToday, c, variable, required

regularStartTime, read from DepartmentFile

timeclockDisabledIn, n, fixed, optional

startTime, time, fixed, required

lateStartTime, c, 1, optional

regularEndTime, read from DepartmentFile

timeclockDisabledOut, n, fixed, optional

endTime, time, fixed, required

lateEndTime, c, 1, optional

**Manager Employee Input Module (only used when timeclock disabled for start or end time) - AUSTIN**

File structure

dateToday, read from Timesheet Module

mEmployeeID, input and verified in DepartmentFile

employeeID, input and verified in DepartmentFile

startTime, time, fixed, optional [input and verified as same format as in Timesheet Module]

endTime, time, fixed, optional [input and verified as same format as in Timesheet Module]

**PSEUDOCODE FOR Manager Report Module by Employee or Department (Daily or Weekly) –**

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Print TIME and DATE

Print ‘Enter your employee ID: ‘ \*the manager’s ID is referenced here

Input mEmployeeID   
 If mEmployeeID not in DepartmentFile   
 Print “Access denied, please re-enter your employee ID” limit to 3 attempts  
 If >3 attemps Print “Please see Human Resources”  
 Then Stop  
Print ‘Enter Department ID: ‘

Input department

If mEmployeeID not = to departmentID in DepartmentFile

Print “Access denied, please re-enter Department ID” limit to 3 attempts  
 If >3 attemps Print “Please see Human Resources”  
 Then Stop  
BEGIN REPORT

Print ‘What would you like to do?’

Print ‘1. Review an individual employee ’

Print ‘2. Review a group of employees in your department ’

Print ‘3. End’

Print ‘Enter your choice 1, 2 or 3 ‘

Input selection1

EMPLOYEE REPORT

If selection1=1

Begin LoopA

Print ‘Enter employee’s ID: ‘ \*this is the managed employee’s ID

Input employeeID   
 If employeeID not in DepartmentFile   
 Print “Access denied, please re-enter the employee ID” limit to 3 attempts  
 If >3 attempts

Print “Read employee into your Department Database or see HR”

Print “Input another employee ID? Enter Y or N ‘

If Y return to Begin Loop1-1

If N Stop

Until valid employee ID or N

End Loop1-1

If selection1=2

Begin LoopB

SELECTED EMPLOYEE REPORT

Begin Loop1-0

Print ‘This report is for ‘ EmployeeID ‘ ‘ eFullName ‘ ‘ department

Print ‘Which of the following would you like to review for this employee‘

Print ‘1. Time for one day this week’

Print ‘2. Time for several days this week’

Print ‘3. Time for a previous week ‘

Print ‘4. Begin a new report’

Print ‘Enter Quit if you would like to end’

Print ‘Enter your choice 1 2 3 4 or Quit ‘

Input ePeriodSelection1

If ‘Quit’ STOP

IF ePeriodSelection1 = 4 GOTO BEGIN REPORT

Until ePeriodSelection1 > ‘ ‘ OR ePeriodSelection1 = ‘Quit’

End Loop1-0

BEGIN CASE

CASE ePeriodSelection1=1

Begin Loop1-1

Print ‘What day this week would you like to review for this employee? ‘

Print ‘Select a day from Sunday this week to today.’

Print ’Sunday’

Print ‘Monday’

Print ‘Tuesday’

Print ‘Wednesday’

Print ‘Thursday’

Print ‘Friday’

Print ‘Saturday’

Print ‘Enter the first three letters of the day (Sun, Mon)‘

Input oneDay

Read startTime and endTime [for day from Timesheet Module]

Print oneDay and DATE

CRT@(0,5) ‘Time in’

CRT@(10,5) ‘Time out’

CRT@(0,6) startTime \* If late time in flagged, print in bold

CRT@(10,6) endTime \* If early time out flagged, print in bold

Print

Print

Print ‘What would you like to do next? ‘

Print ‘1. Review another report for this employee’

Print ‘2. Input another employee’

Print ‘3. Begin a new Report

Print ‘Enter Quit if you would like to end’

If ‘Quit’ STOP

Print ‘Enter your choice 1 2 3 or Quit ‘

Input eOneDayNext

IF eOneDayNext = 1 GOTO SELECTED EMPLOYEE REPORT

IF eOneDayNext = 2 GOTO EMPLOYEE REPORT

IF eOneDayNext = 3 GOTO BEGIN REPORT

Until eOneDayNext > ‘ ‘ OR eOneDayNext = ‘Quit’

CASE ePeriodSelection1=2

…

Print ‘What would you like to do next? ‘

Print ‘1. Review another report for this employee’

Print ‘2. Input another employee’

Print ‘3. Begin a new Report

Print ‘Enter Quit if you would like to end’

If ‘Quit’ STOP

Print ‘Enter your choice 1 2 3 or Quit ‘

Input eMultiDayNext

IF eMultiDayNext = 1 GOTO SELECTED EMPLOYEE REPORT

IF eMultiDayNext = 2 GOTO EMPLOYEE REPORT

IF eMultiDayNext = 3 GOTO BEGIN REPORT

Until eMultiDayNext > ‘ ‘ OR eMultiDayNext = ‘Quit’

CASE ePeriodSelection1=3

…

Print ‘What would you like to do next? ‘

Print ‘1. Review another report for this employee’

Print ‘2. Input another employee’

Print ‘3. Begin a new Report

Print ‘Enter Quit if you would like to end’

If ‘Quit’ STOP

Print ‘Enter your choice 1 2 3 or Quit ‘

Input ePreviousWeekNext

IF ePreviousWeekNext = 1 GOTO SELECTED EMPLOYEE REPORT

IF ePreviousWeekNext = 2 GOTO EMPLOYEE REPORT

IF ePreviousWeekNext = 3 GOTO BEGIN REPORT

Until ePreviousWeekNext > ‘ ‘ OR ePreviousWeekNext = ‘Quit’

CASE 1; \* NOT A VALID ANSWER

PRINT "SORRY. NOT VALID"

PRINT "PRESS <CR> TO TRY AGAIN "

END CASE

PRINT "DO YOU WANT THIS REPORT PRINTED ? (Y/N) " : INPUT ANSWER IF ANSWER[1,1] = "Y" THEN PRINTER ON