

Software Tutorial For Color Fingerprint Model

User Manual

Version 2.0

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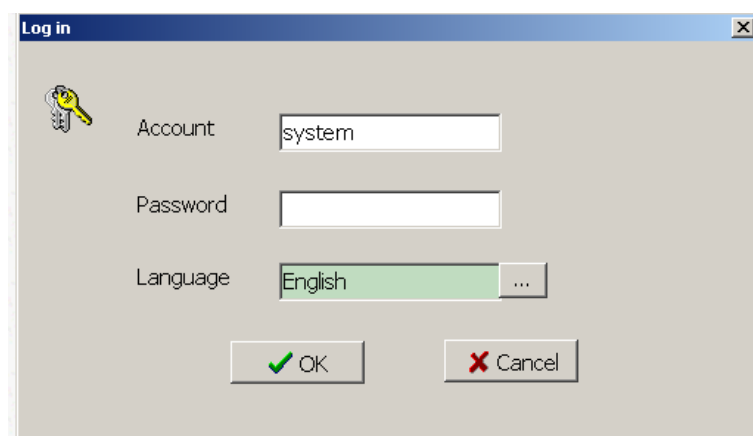
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1. INTRODUCTION

This manual is to teach you how to install and use the Attendance Management system . The system is for attendance management and communication with fingerprint or proximity card device.

It will teach you how to install the software and show you step by step how to input critical data into the software. Lastly, it will show you some troubleshooting techniques in solving problems for the software.

When launch the software, The default login account is “**system**”, and the password is **blank (no password)**.



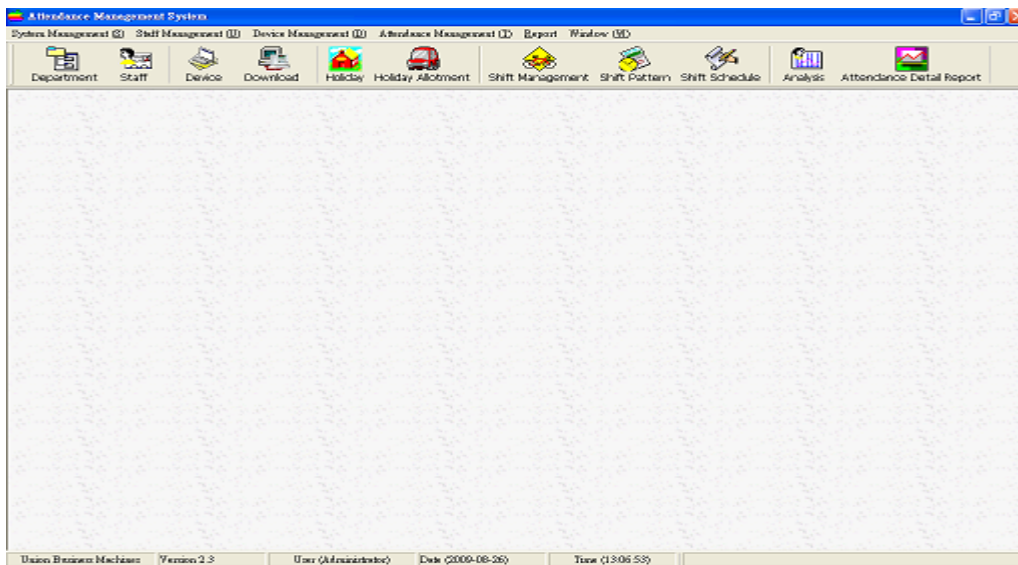
Click  beside the Language field, can switch to other language, now it can support English, Spanish and French.

2. INTERFACE PREVIEW

The software is window based. The interface between the software and user is through each window. After authentication, it will show you the main window. For each item, it will show the child window. The child window must locate inside the main window.

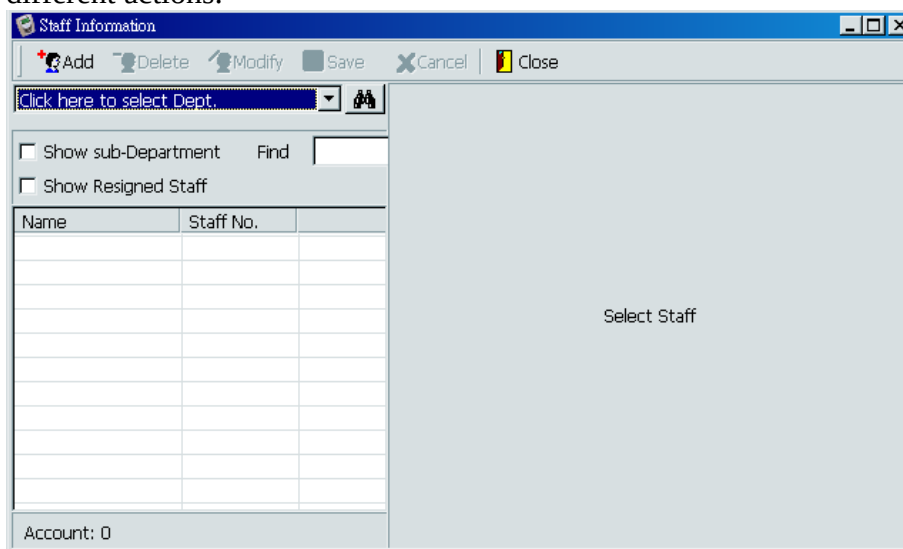
2.1 Main Window

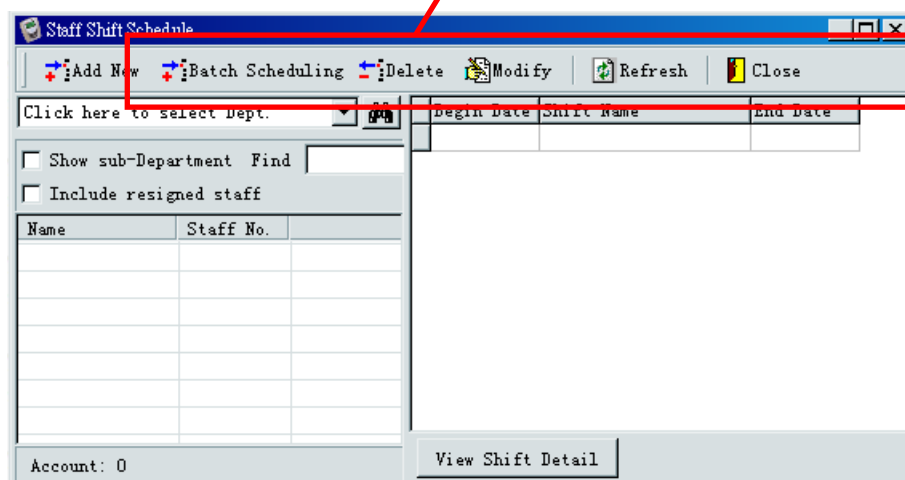
The main window consists of the title bar, top pulled-down menu, hot menu, the content area and the status bar. The title bar shows the software name. The top pulled-down menu covers all the items in the software. The hot menu provides the quickest way for accessing the critical item. Finally, the status bar shows the status of the system such as the current date and time.



2.2 Child Window

The child window is invoked when you select a menu item. Each child window has its layout. Some are similar and some are different. Most of child windows have the icon bar located at the top for choosing different actions.

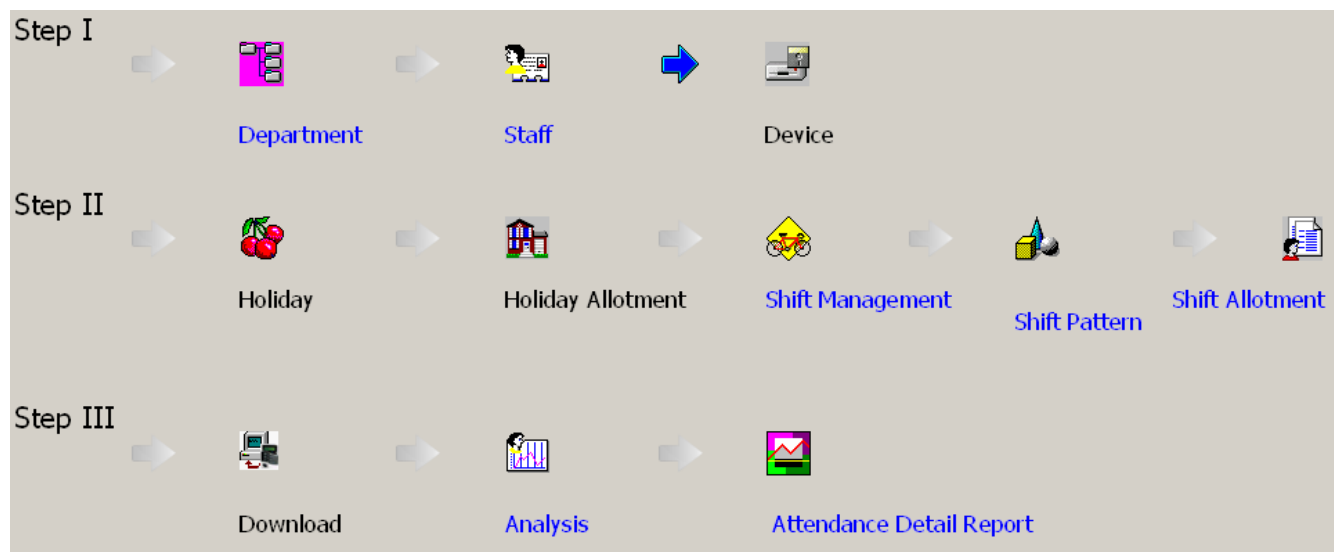




3. SOFTWARE CONFIGURATION (BASIC PART)

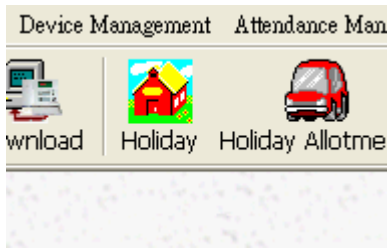
(For Department, Staff, Device, Download, it has been covered by the quick guide)

Then, there is below step sequence, just follow that one by one and complete the configuration based on your company fact/requirement.



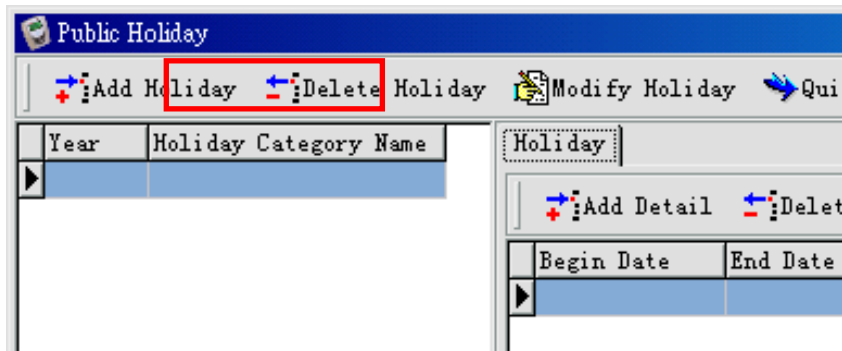
3.1 Holiday Management

Holiday is to identify the date for public holiday. In public holiday, staff need not be on duty. To invoke the holiday management, just click the icon “Holiday Management”.



3.1.1 Add Holiday

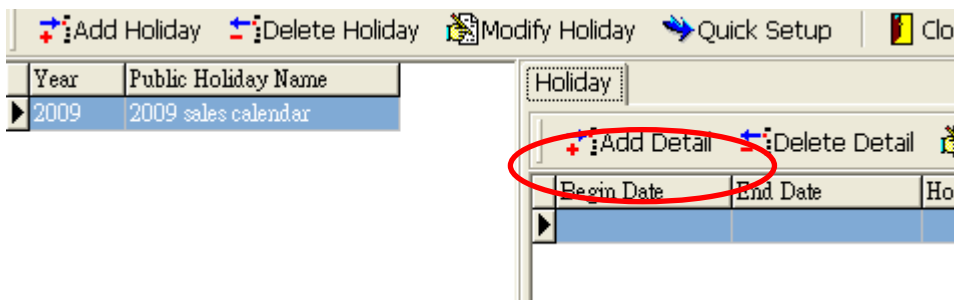
To add a holiday calendar per year, click the button “Add Holiday”.



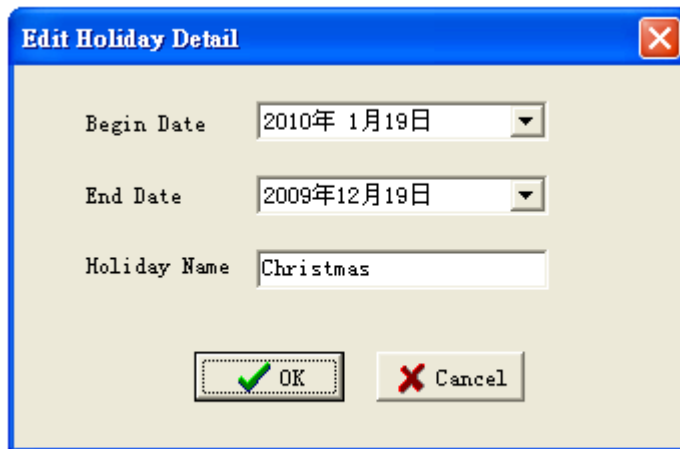
Input “Year” and “Category Name”. Click “OK” to proceed.



After the input of holiday calendar, you can add detail date for the public holiday.



Then, you will see an input window for the date range and the holiday name.



The 'Edit Holiday Detail' dialog box contains the following fields and buttons:

- Begin Date:** 2010年 1月19日
- End Date:** 2009年12月19日
- Holiday Name:** Christmas
- Buttons:** OK (with a green checkmark icon) and Cancel (with a red X icon).

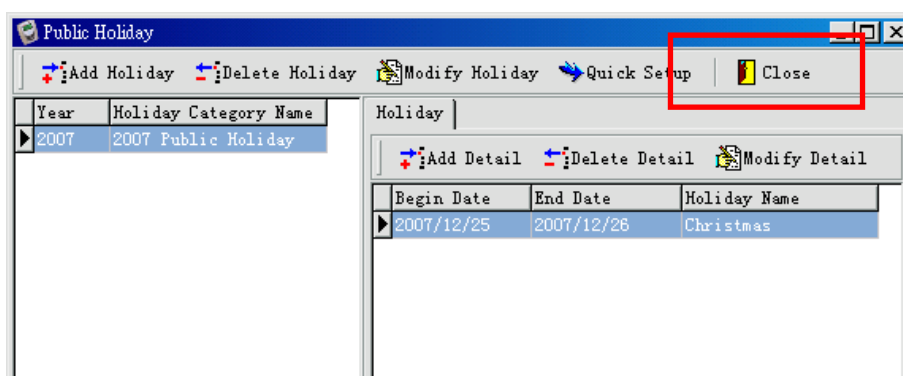
Input the “Begin Date”, “End Date” and “Holiday Name”. Click “OK” to confirm. New holiday will be added. Repeat the adding till public holidays have been added.

Holiday		
Add Detail Delete Detail Modify Detail		
Begin Date	End Date	Holiday Name
2009-12-19	2009-12-19	Christmas

When you find some error in adding, you are free to choose to modify or delete the public holiday.

Holiday		
Add Detail Delete Detail Modify Detail		
Begin Date	End Date	Holiday Name
2009-12-19	2009-12-19	Christmas

There is a quick setup that you can set up all Sunday as public holidays. So, you do not need to set them one by one. To do so, click the button “Quick setup”.

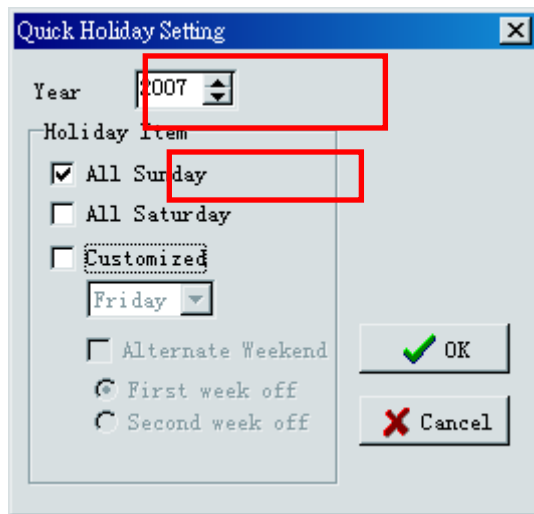


The 'Public Holiday' window shows a list of holidays and a 'Quick Setup' button. The 'Quick Setup' button is highlighted with a red rectangle.

Year	Holiday Category Name
2007	2007 Public Holiday

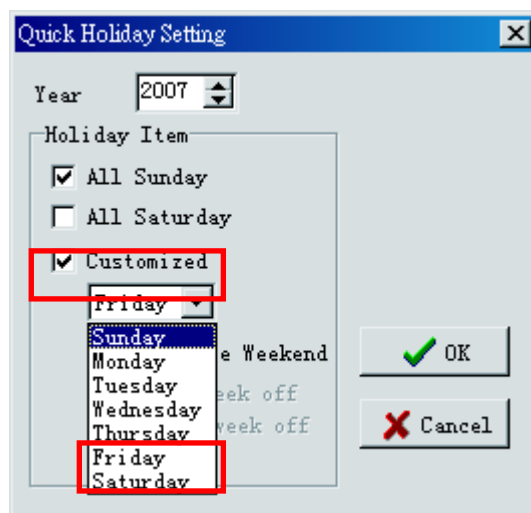
Begin Date	End Date	Holiday Name
2007/12/25	2007/12/26	Christmas

You will see an input window with several check boxes.

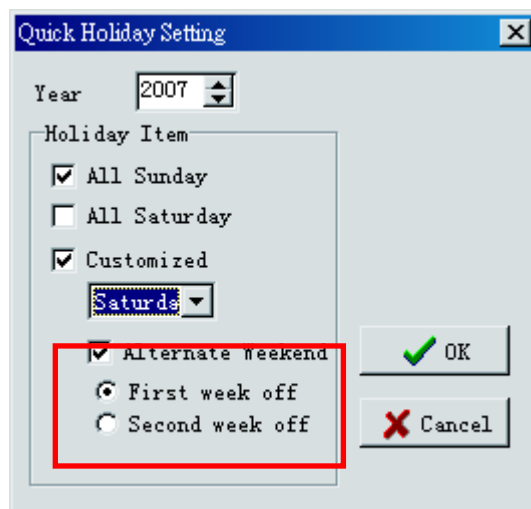


Check the check box “all Sunday” to assign all Sundays as public holiday.

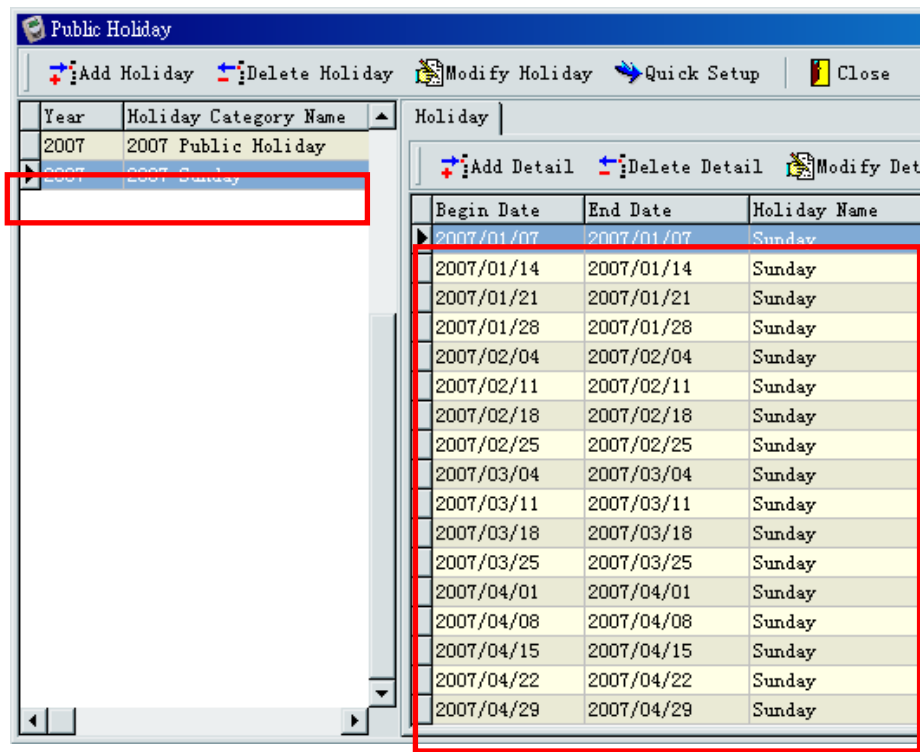
Besides, you can select “Customize” to define a customized day off.



Click “Alternate Weekend” for alternate long week and short week.

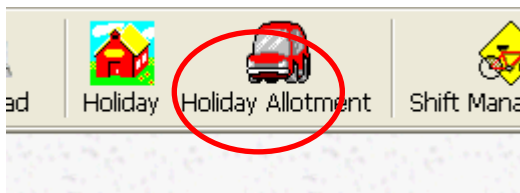


Click “OK” to proceed. The system will generate a new holiday category with selected day in whole year.

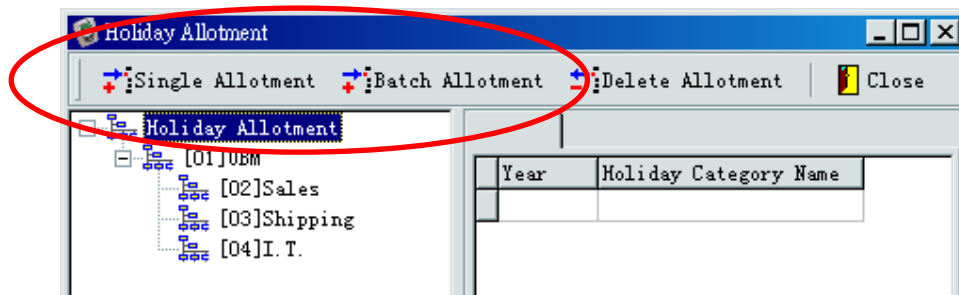


3.1.2 Holiday Allotment

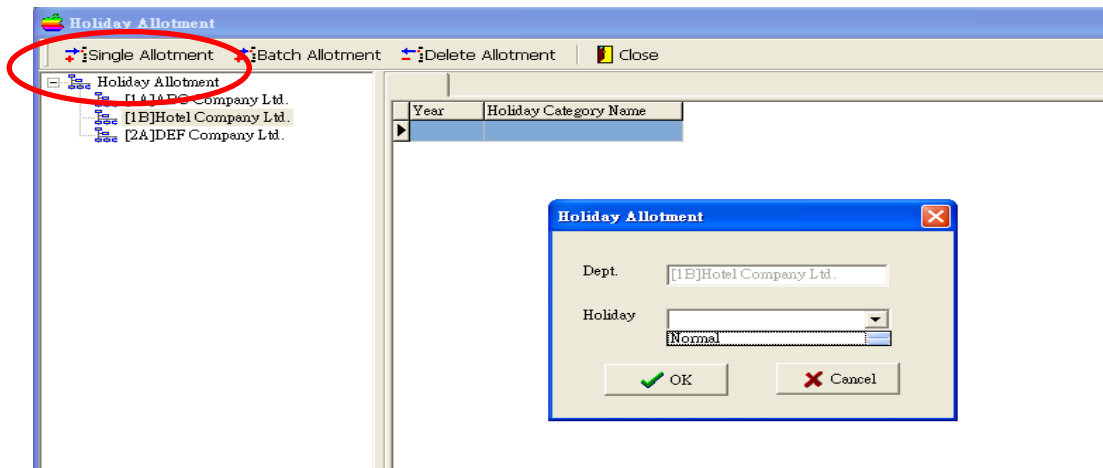
After defining Public Holidays, the holiday must be allotted to staff before they are taking effect. To invoke the “Holiday Allotment”, click the icon “Holiday Allotment”.



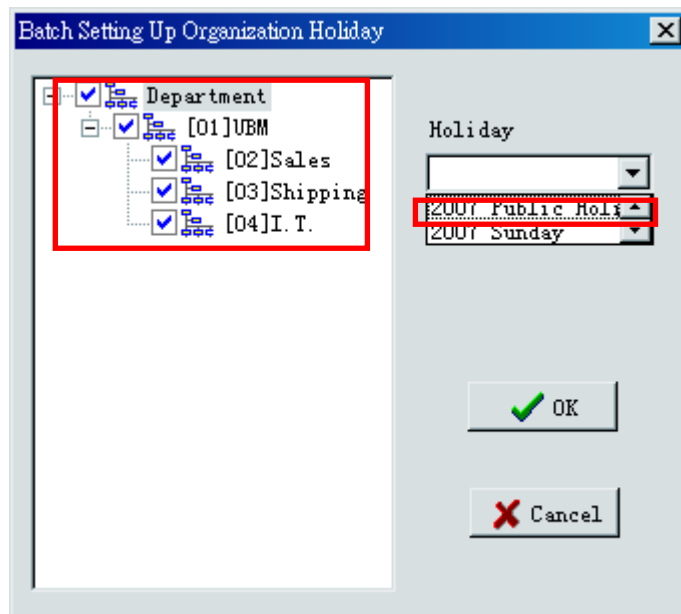
In the holiday allotment window, you can allot holiday calendar to one department or a list of departments. Single Allotment is to allot holiday calendar to the highlighted department. Batch Allotment is for multi departments.



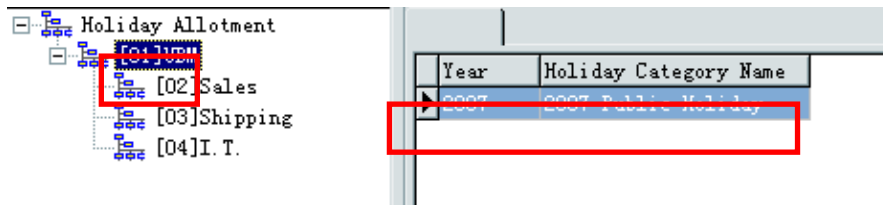
For single allotment, highlight the department and click “Single Allotment”.



For batch allotment, just click the button “batch allotment” and a multi-selection window will be seen. Tick any departments that you want to allot and select the appropriate holiday. Click button “ok” after the input.



The Holiday will be allotted to selected departments.



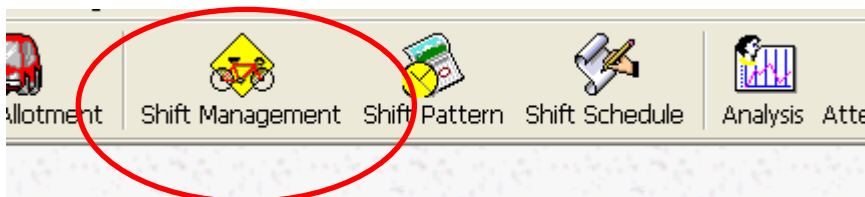
Continue the above process till all allotment has been done.

3.2 Shift Management

Shift refers to the preset in and out time in a date. For example, you can input the in and out time as 09:00 and 18:00 correspondingly in a day. Or, you can input 09:00 and 13:00 for a shift to represent half day in Saturday.

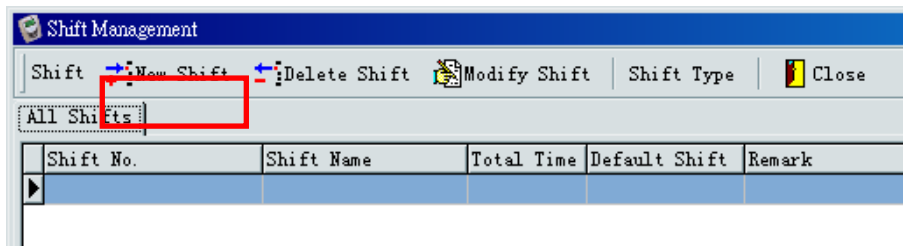
It consists of header and detail (time zones). You need to input both the header and detail to finish the setup of shift management.

To invoke the shift management module, click the icon “Shift Management”.



3.2.1 Add a Shift

Click the top button “New Shift” to add a new header.



The image shows a 'New Shift' dialog box with the following fields and controls:

- Order No. (text input)
- Shift No. (text input)
- Name (text input)
- ☐ Default Shift (checkbox)
- Remark (text area)
- OK button (with a green checkmark icon)
- Cancel button (with a red X icon)

You will see an edit window for input of Shift header. The first field is order number. It is to control the arrangement of the shift. Input “Shift No.” and provide a “Name” for the new shift. If it is the default shift, click the check box “default shift”. If a staff does not have any shift arrangement, the system will get the default shift automatically. Lastly, input any remark that you may want the system to keep. Finally, click “OK” to save the shift header.

To add a detail information (time zone) for a shift, select the new shift and then click “Add Detail”.

Shift Management

Shift New Shift Delete Shift Modify Shift | Shift Type | Close

All Shifts

Shift No.	Shift Name	Total Time	Default Shift	Remark
001	0900-1800	00:00	☐	

Shift Detail Add Detail Delete Detail Modify Detail

Period	In Time	In Swipe	Out Time	Out Swipe	Calculate	Calculate Out-Early	OverTime	Absent

Add Shift Detail

Shift Name Period

In

Earliest In (hh:mm)
(Default = -5 min)

In Time (hh:mm)

Allow Late_In (minute)

☒ Need Swipe

☒ Count Late_Arrival

☐ Early In = Overtime

(after = late in)

Out

Allow Early_out (minute)

Out Time (hh:mm)

Latest Out (hh:mm)

☒ Count Early_Out

☒ Need Swipe

(before = early out)

☐ Late Out = Overtime

(Default = +5 min)

Argument

☐ OT Shift

Work Time

Mid Time

Break Time

(Intelligent Report)

Actual Work_Time

OK

Cancel

Then, you will see a popup edit window. In this window, you need to input the in time and out time.

Need Swipe

The in time and out time can be chosen for swiping or not. If the check box “need swipe” is not checked, it means that staff does not need to punch. The system will assign the time for the staff automatically and disregard any swipe time. For example, if the in time is 08:00, the system will assign the in time to the attendance record.

Earliest In

For in time, you need to input also the earliest in time as a limit. The system will start to count the in time from the earliest in time onwards. Time before this time will be ignored. For example, the time is set to be 07:00. That means for staff swiping card on/after 07:00, the swipe records will be considered as a valid clock in record. If staff swipe at 6:59 or before, the system will ignore those records, and they will be taking into account during attendance analysis. However, those times will also be seen in raw swipe record.

Latest Out

The possible latest clock out time. The idea is same as the “Earliest In”, but this is for clock out time. Similarly, the system will ignore the time after latest out time.

*(For “Earliest In” and “Latest Out” to take effect, a analysis parameter must be set, refer to **Section 14.1** for details)*

Count Late Arrival

This check box is to select whether to count late arrival. If you choose not to count late arrival, you will not get any figure about the late in time. For example, the preset in time is 09:00. If the actual in time is 09:17, the system will show the actual time as usual but the late in column will be blank.

Count Early Out

This check box is to select whether to count early out. If you choose not to check this, the system will not calculate the early out time. You will see the column blank in attendance report.

Allow Late In

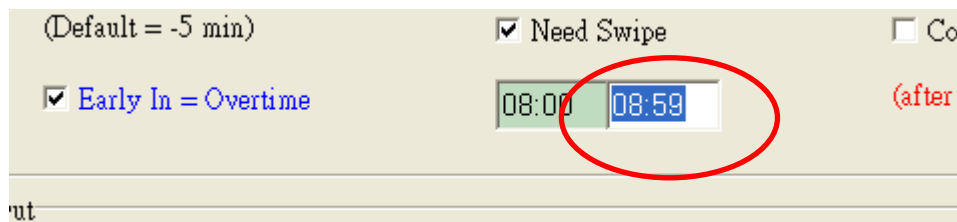
A buffering time zone for late arrival. In this example, the setting is 00:15, which means 15 minutes buffering time is provided. For staff arriving at 09:15 or before, the system will not count the staff as late arrival. However, if staff arrives at 09:16, then the staff is late, and the late time will be 16 minutes, instead of 1 minute.

Allow Early Out

A buffering time zone for early off. The concept is same as “Allow Late In”.

Early In = Overtime

Count the work time before “In Time” as overtime. The default cut off time is “in time” less one minute. But, you can choose to change the cut off time. For example, you can change the cutoff time to 08:29. If the staff arrives at 08:10, the overtime calculated is 20 minutes instead of 50 minutes.



Late Out = Overtime

Count the work time after “Out Time” as overtime.

OT Shift

It defines whether the shift is an Overtime Shift. If it is overtime shift, the working time will be counted in the overtime column.

Mid Time

Mid Time is the middle time between in and out for finding the lunch time automatically in the attendance intelligent report. The report will find out the lunch out and in time by looking for the time near the mid time, left and right. The default mid time is the middle time between in and out. You can change it to the time that you want.

Work Time

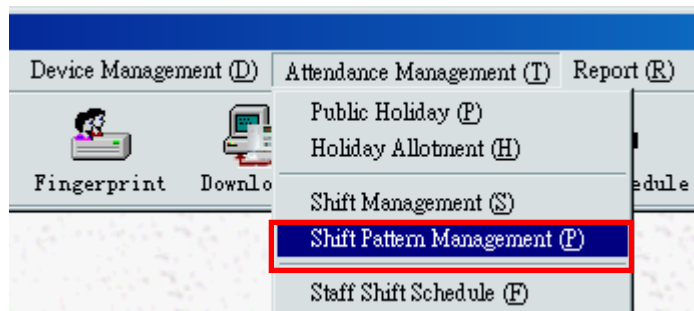
Work time is the calculated working time by the difference of out and in time. Some customers need to less the work time from the lunch time. Then, you can input the break time to have the actual work time. The actual work time is the calculated work time less the break time. Attendance report will show the actual work time rather than the calculated work time.

3.2.2 Shift Pattern Management

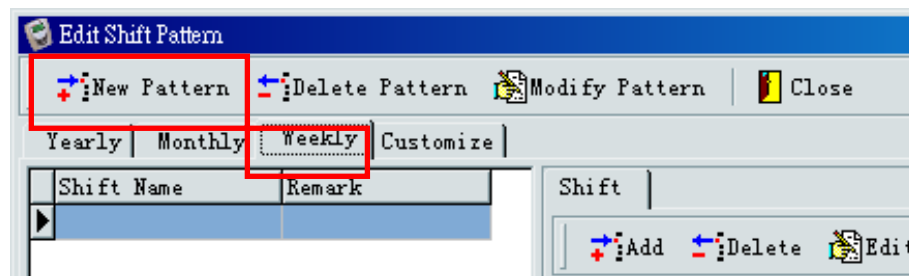
After setting the “Shifts”, user has to define the shift pattern. Shift pattern describes work hour in each day on a yearly/monthly/weekly base.

Add Weekly-based Shift Pattern

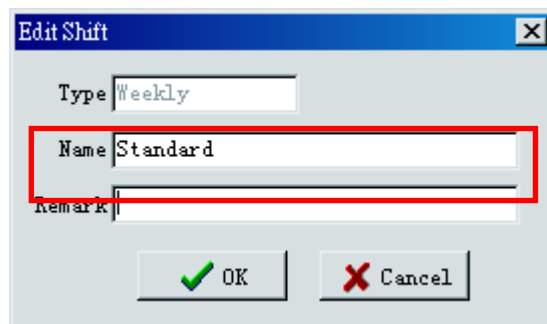
Go to “Attendance Management” and then “Shift Pattern Management”.



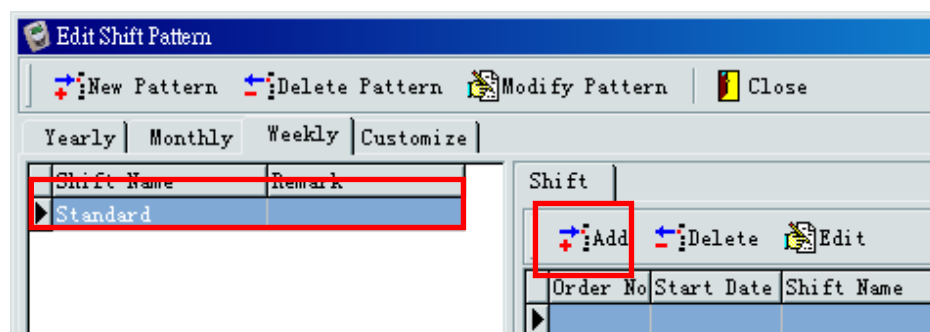
Select “Weekly” and then click “New Pattern”.



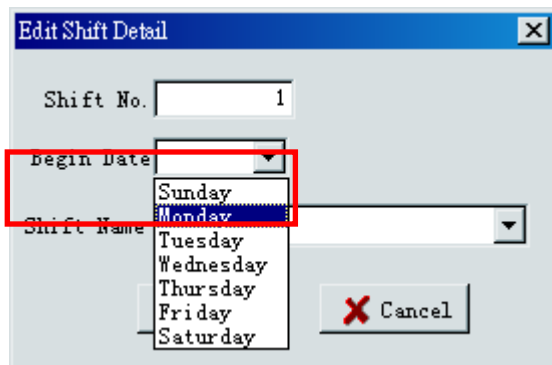
Input “Name” for new shift pattern.



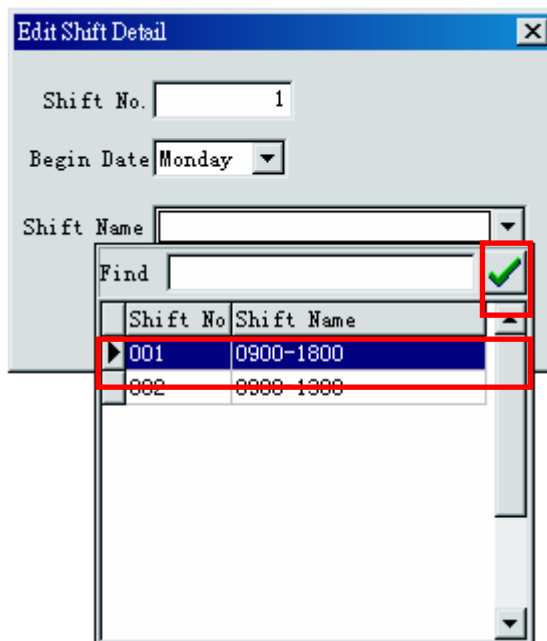
Select the new shift pattern and then click “Add”.



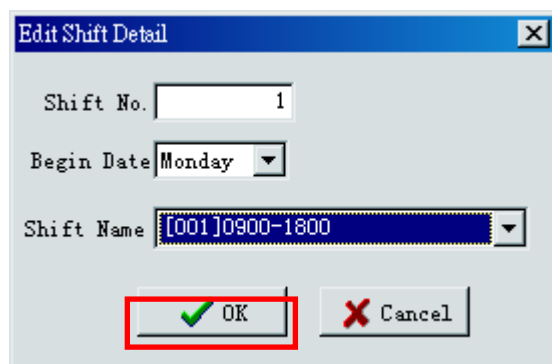
Select “Begin Date”.



Select “Shift Name” to assign to specified day, and then click .



Click “OK” to proceed.



Shift will be assigned to selected day.

Shift		
Order No	Start Date	Shift Name
1	WeekdayMON	0900-1800

Repeat Above Step until all work days have been assigned with a shift.

(Notes: If shift in next work day is same as the one in previous day, no shift assignment is required, as the system will automatically use the shift in previous for days without shift assignment.)

In the following example, the shift pattern will be:

Mon – Fri: Shift 0900-1800

Sat: Shift 0900-1300

Sun: Ignored as it is set to be public holiday (Refer to **Section 7** for details)

Shift		
Order No	Start Date	Shift Name
1	WeekdayMON	0900-1800
2	WeekdaySAT	0900-1300

Click “Close” to exit.

3.2.3 Staff Shift Schedule

After setting shift pattern, user has to assign the shift pattern to staffs. For staffs without any assigned shift, no attendance records will be shown in attendance reports.

3.2.3.1 Add New Schedule

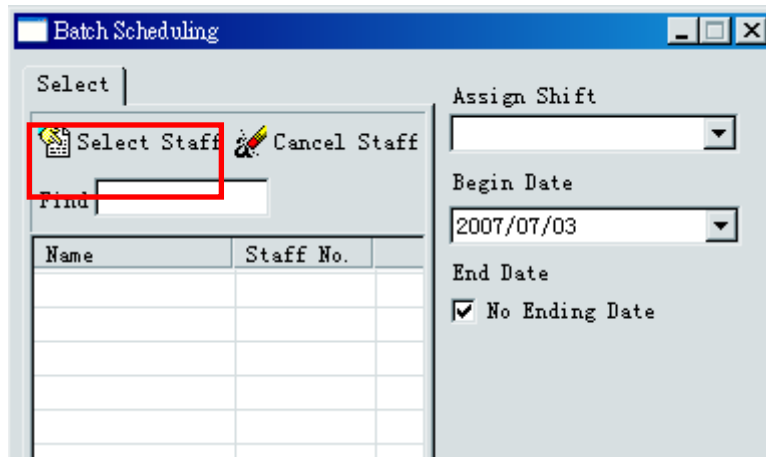
				
Holiday	Holiday Allotment	Shift Management	Shift Pattern	Shift Allotment

Click “Batch Scheduling”.

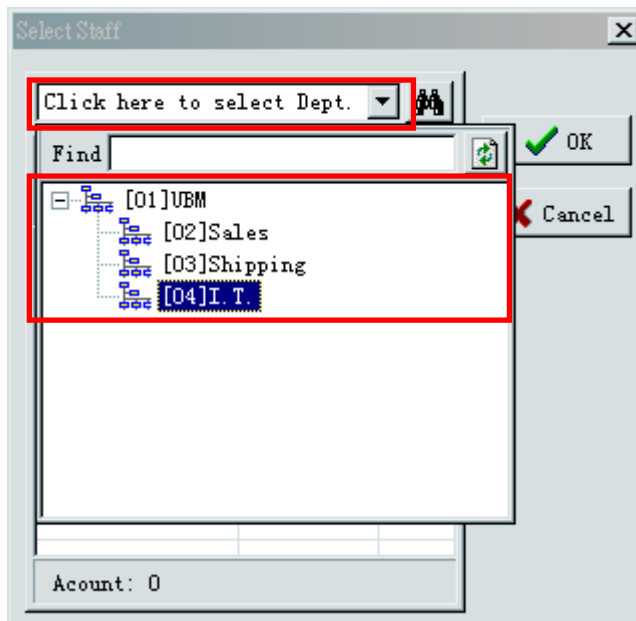
Shift Assignment			
     			
Click here to select Dept.			
Begin Date	Shift Name	End Date	

☐ Show sub-Department Find	
☐ Include resigned staff	
Name	Staff No.

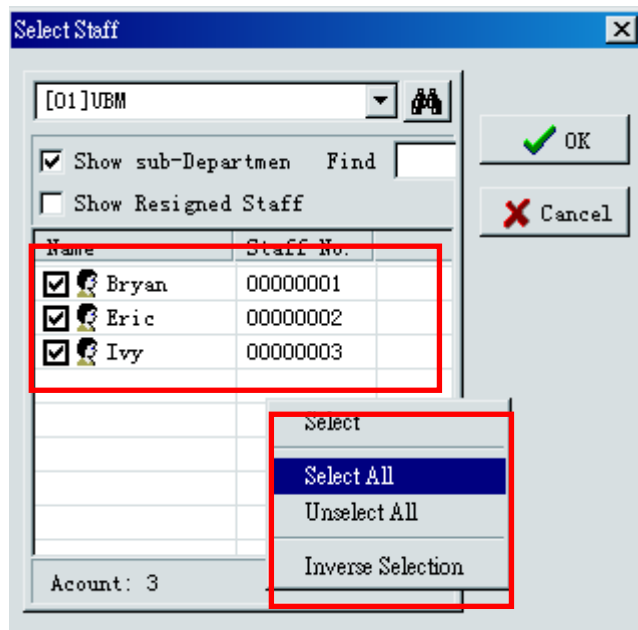
Click “Select staff”.



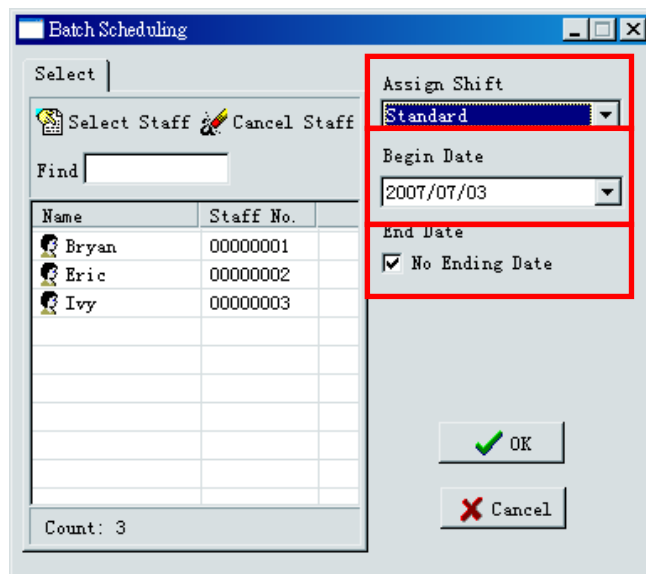
Click “Click here to select Dept.”, and then select the target department.



Put a tick in the box for all target staff. Or, right-click on the blank area, click “Select All” on the popup menu to select all listed staffs. Click “OK” to proceed.



Select shift pattern in “Assign Shift”, and then set the “Begin Date” and “End Date”. The system default setting is no end date.



Un-tick the “No Ending Date” if there is a specify end date for the assigned shift pattern. Click “OK” to proceed.

The screenshot shows the 'Batch Scheduling' window. On the left, under the 'Select' tab, there is a 'Find' text box and a table with staff information. The table has two columns: 'Name' and 'Staff No.'. It lists three staff members: Bryan (00000001), Eric (00000002), and Ivy (00000003). Below the table, it says 'Count: 3'. On the right, under the 'Assign Shift' section, there is a dropdown menu for 'Assign Shift' set to 'Standard', a 'Begin Date' dropdown set to '2007/07/03', and an 'End Date' dropdown set to '2007/10/31'. There is also a checkbox for 'No Ending Date' which is unchecked. At the bottom right, there are two buttons: 'OK' (with a green checkmark) and 'Cancel' (with a red X). Both buttons are highlighted with red rectangles.

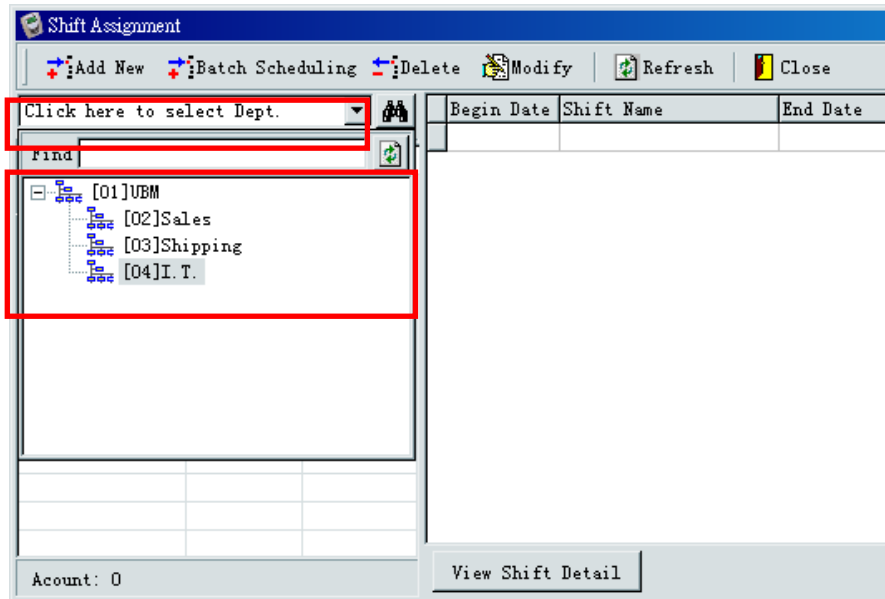
Name	Staff No.
Bryan	00000001
Eric	00000002
Ivy	00000003

The selected shift pattern will then be assigned to the staffs in the specified period. Click “Cancel” to close the Batch Scheduling Window.

This screenshot is identical to the one above, showing the 'Batch Scheduling' window. However, in this image, the 'Cancel' button (with a red X) is highlighted with a red rectangle, while the 'OK' button is not. All other elements, including the staff list and shift assignment details, remain the same.

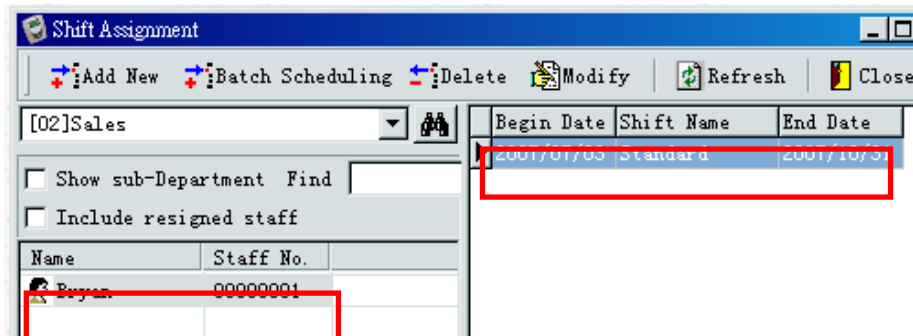
3.2.3.2 Modify/Delete A Shift Schedule

Go to “Attendance Management” and then “Staff Shift Schedule”.
Click on “Click here to select Dept.” and then select the department.

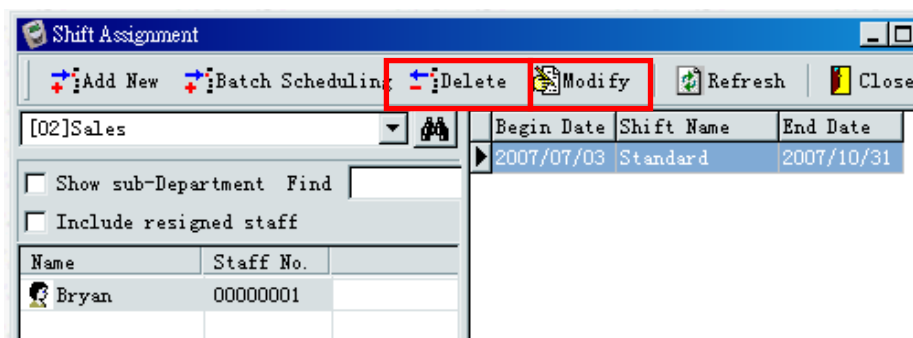


Click on “Click here to select Dept.” and then select the department.

Select particular staff, corresponding shift schedule will be shown. Select the shift schedule which required being deleted/modified.



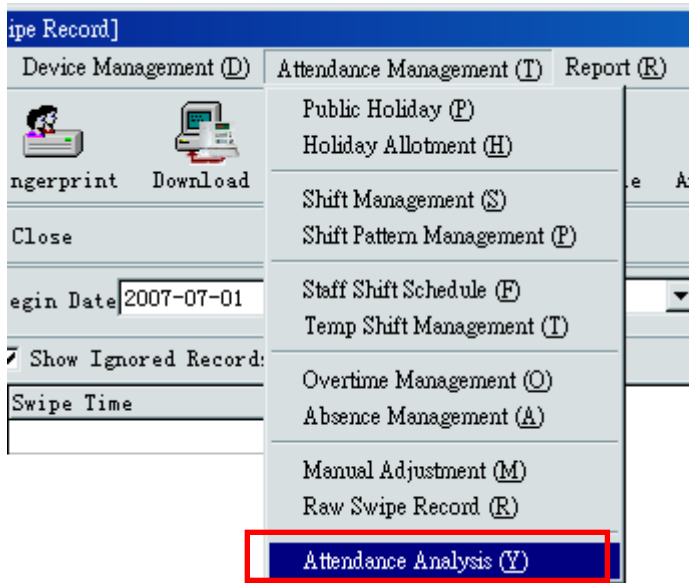
Click “Delete”/”Modify” to delete/modify a shift schedules.



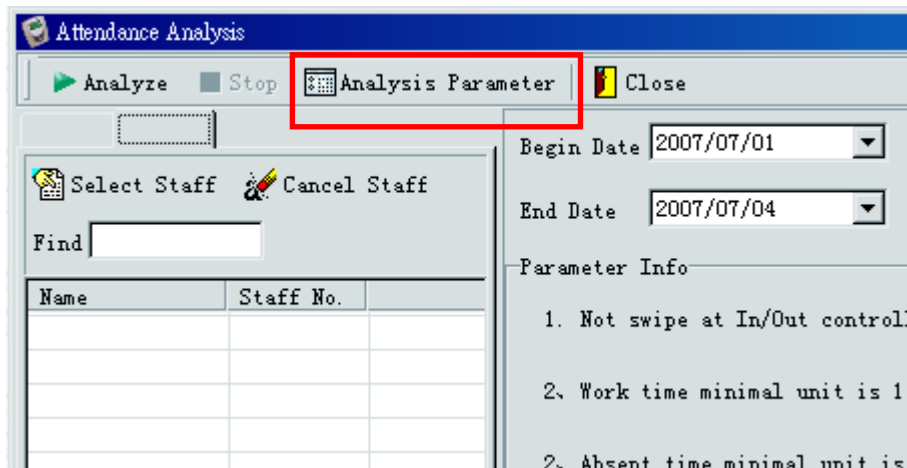
3.3 Attendance Analysis

3.3.1 Analysis Configuration

Go to “Attendance Management” and then “Attendance Analysis”.



Click “Analysis Parameter” to configure the analysis rules.



In/Out Attendance Rule: The default setting is “Ignore In/Out”. This one should not be changed.

Work Time Unit (min): Minimum step unit of work time.

Absent Time Unit (min): Minimum step unit of absent time.

Treat invalid Swipes as Absence: If either clock-in or clock-out record is missing, the system will treat it as absence.

Match I/O record according to Shift def.: Once this option is enabled, system will search for valid attendance records according to the “Earliest In” and “Latest Out” settings (Refer to **Section 8.1.5** for details)

Click “Save” to save and exit.

Configure Parameter

In/Out Attendance Rule

☐ Check In Out ☒ Ignore In Out

☒ Match In Out record according_to Shift definition

☐ Invalid Swipe as Absence

Work Time Minimum Unit (min) (truncate) (work_time, early_in, late_out)

Absent_Time Minimum_Unit (min) (fill up) (late_in,early_out)

Overtime Minimum Unit (min) (truncate) (overtime)

☒ Actual Work_Time = Work_Time - Late_in Time

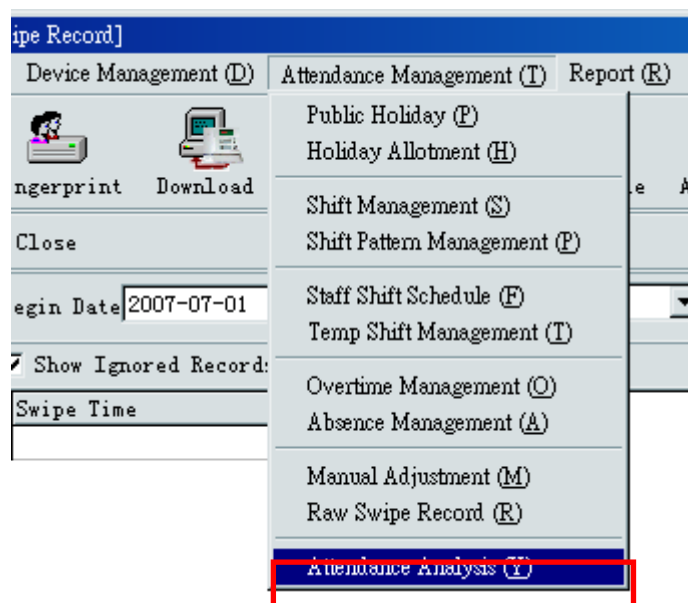
☒ Actual Work_Time = Work_Time - Early_out Time

Save

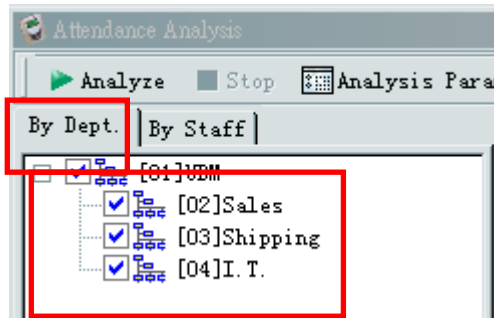
Exit

3.3.2 Do Analysis

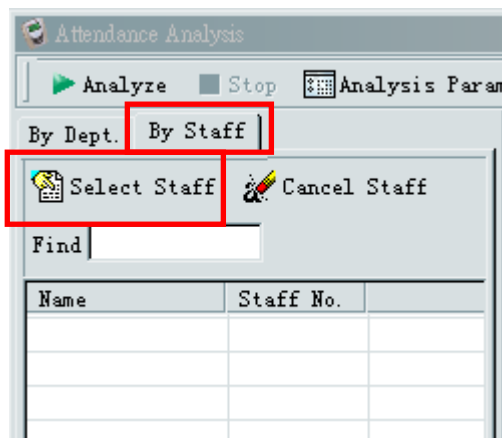
Go to “Attendance Management” and then “Attendance Analysis”.



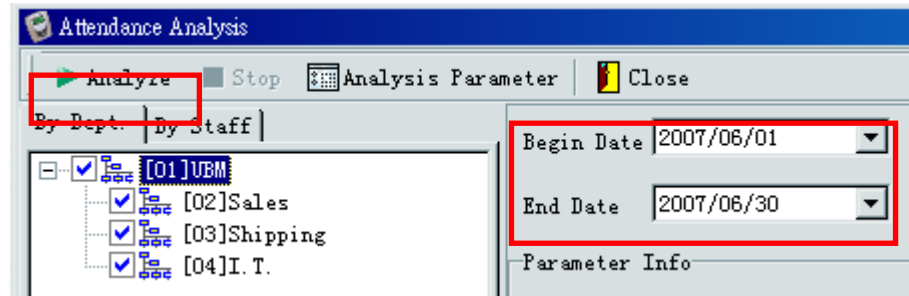
Click “By Dept.” and then select departments for analysis.



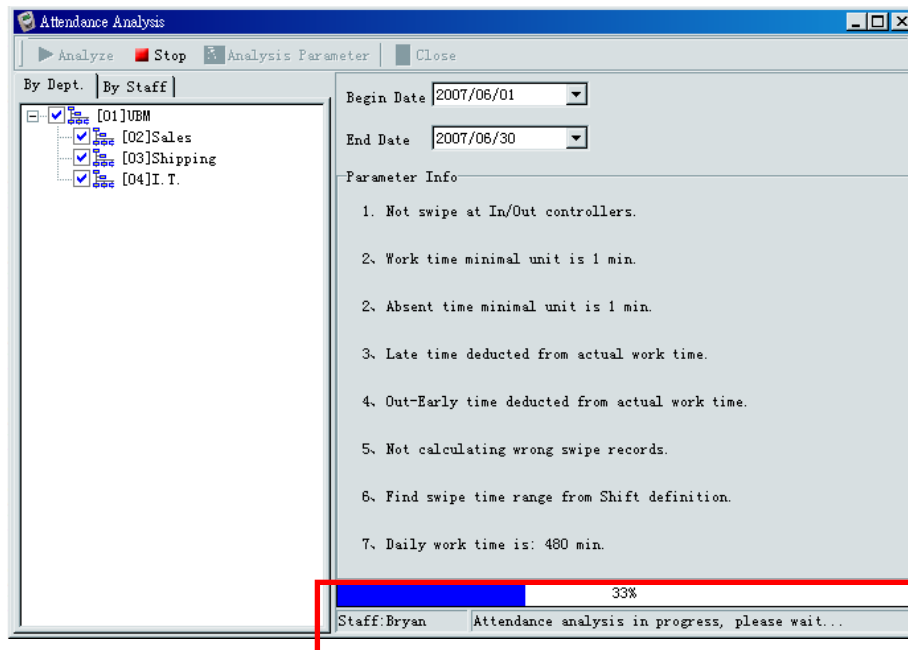
Or, click “By Staff” and then “Select Staff”.



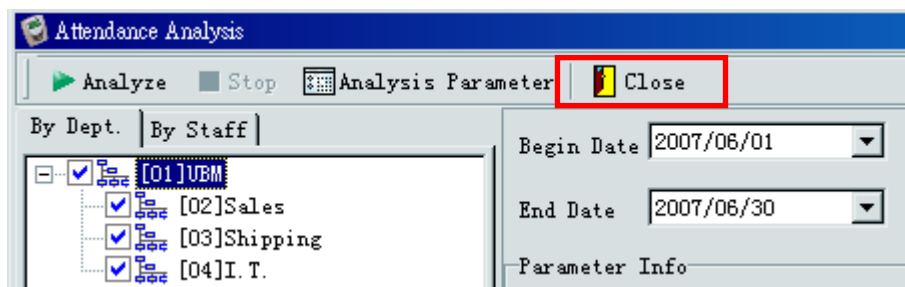
Specify the “Begin Date” and “End Date”, and then click “Analyze” to start the analysis.



Wait until the progress bar reach 100%.



Click “Close” to exit.

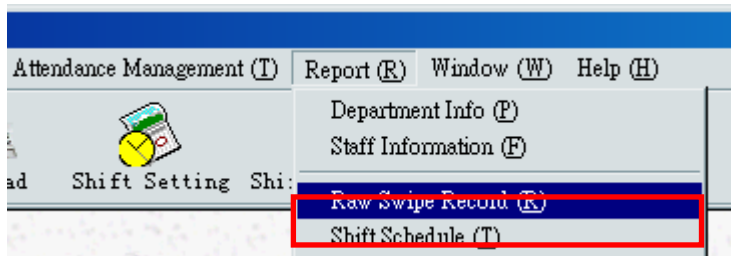


3.4 Generate Reports

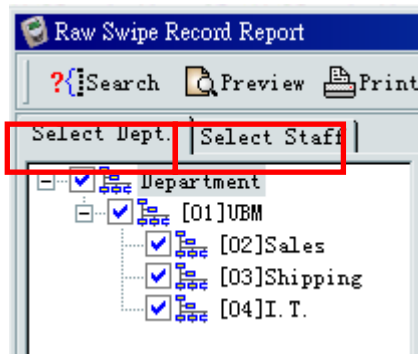
3.4.1 Raw Swipe Record Report

Show all swipe record for selected staffs.

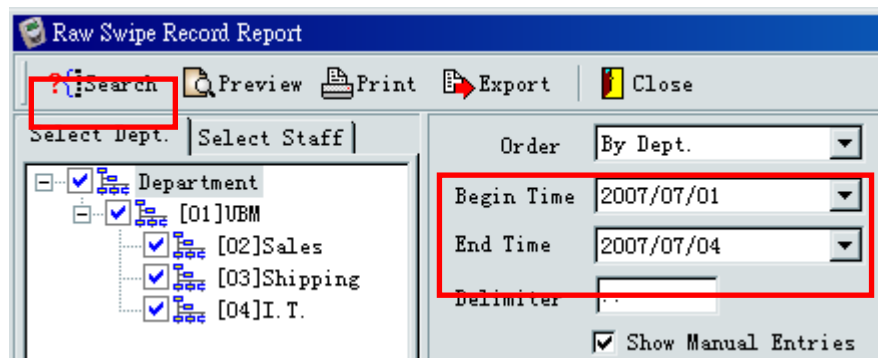
Go to “Report” and then “Raw Swipe Record”.



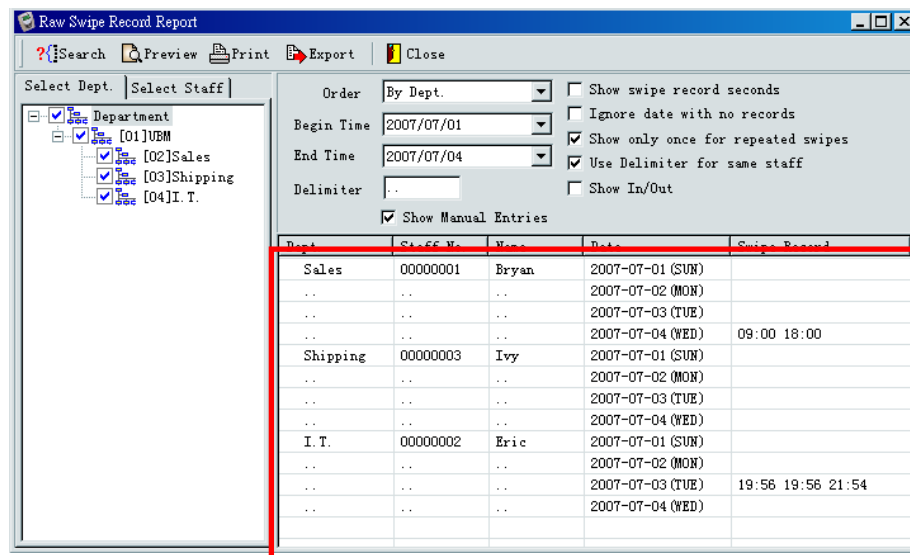
Click “Select Dept.” or “Select Staff” to select department or staff.



Specify the “Begin Time” and “End Time” and then click “Search”.

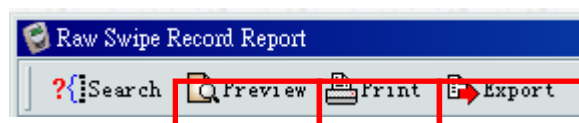


Raw swipe records will be listed.



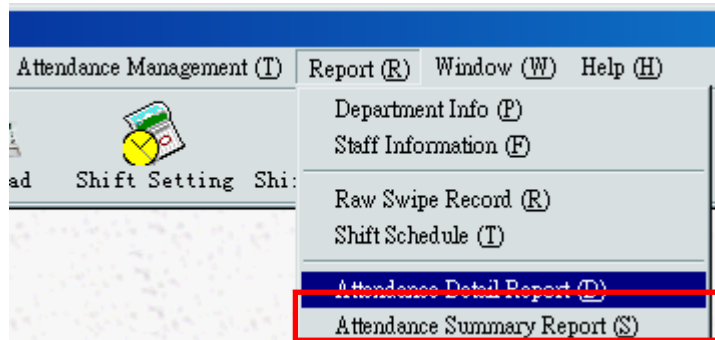
Click “Preview” to preview print layout; click “Print” to print the report; click “Export” to export the report to excel file.

(Notes: To export the report to excel file, Microsoft Excel must be installed on the computer)

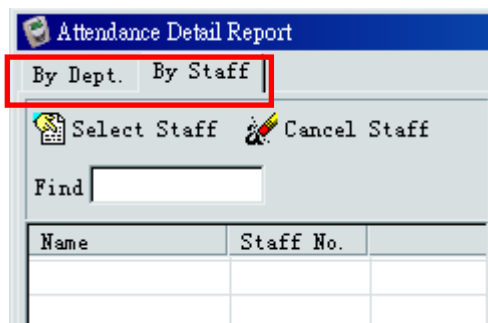


3.4.2 Attendance Detail Report

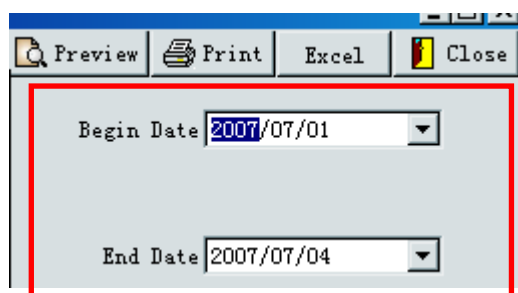
Go to “Report” and then “Attendance Detail Report”.



Click “Select Dept.” or “Select Staff” to select department or staff.

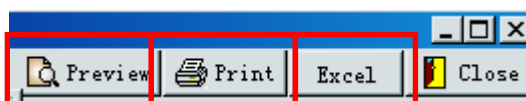


Specify the “Begin Date” and “End Date”.



Click “Preview” to preview print layout; click “Print” to print the report; click “Excel” to export the report to excel file.

(Notes: To export the report to excel file, **Microsoft Excel** must be installed on the computer)



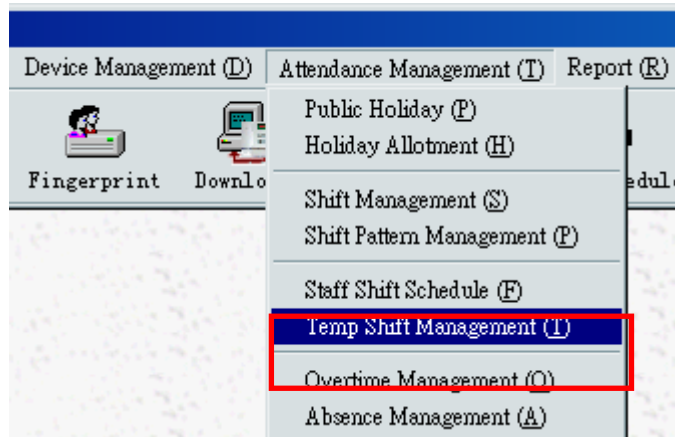
4. SOFTWARE OPERATION (ADVANCED PART)

4.1 Temp Shift Management

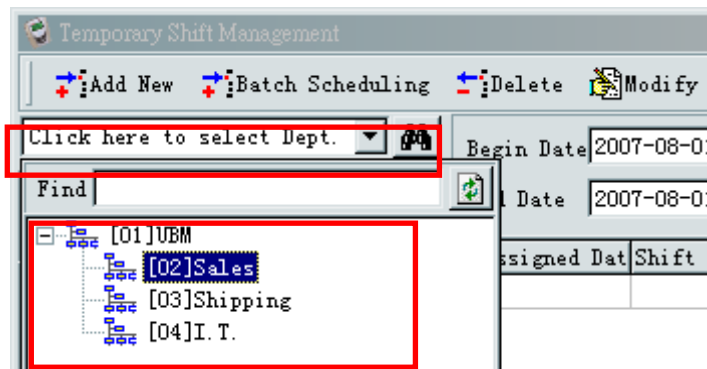
Instead of assigning shift to staff by shift pattern, user can assign the shift directly to staff on particular dates, which is called “Temp Shift”. Temp Shift has highest priority in the system. Once temp shift is assigned on particular date, it will override all Holiday or Shift Schedule settings.

4.1.1 Add Temp Shift

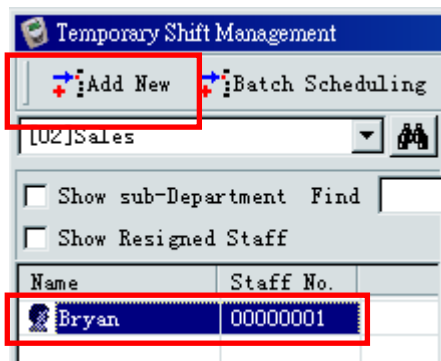
Go to “Attendance Management” and then “Temp Shift Management”.



Click on “Click here to select Dept.” and then select the department.



Select staff and then click “Add New”.



Select “Shift Name”, and then click  to confirm.

New Temp Shift Assignment

Shift Name: [01]0900-1800

Begin Date: Find [] ✓

End Date: []

Shift No.	Shift Name
01	0900-1800
02	0900-1600
03	OT

Specify the “Begin Date” and “End Date”, and then click “OK” to save.

New Temp Shift Assignment

Shift Name: [01]0900-1800

Begin Date: 2007-08-06

End Date: 2007-08-06

OK Cancel

The assigned Temp Shift will be displayed.

[02]Sales

Show sub-Department Find []

Show Resigned Staff []

Begin Date: 2007-08-01

End Date: 2007-08-06

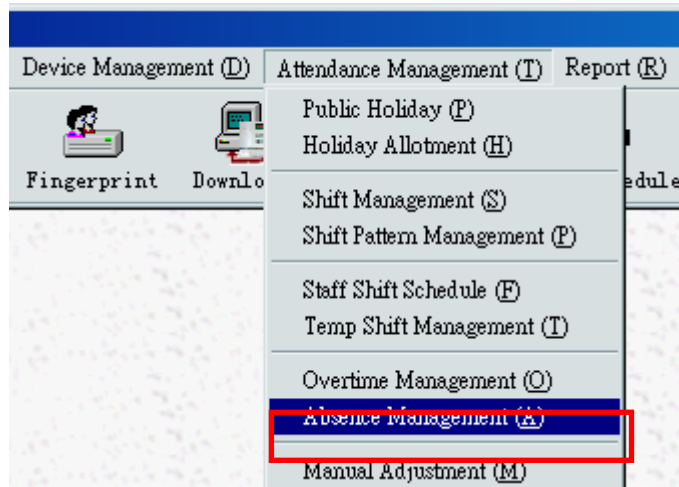
Name	Staff No.	Assigned Dat	Shift No.	Shift Name
Bryan	00000001	2007-08-06	01	0900-1800

4.2 Absence Management

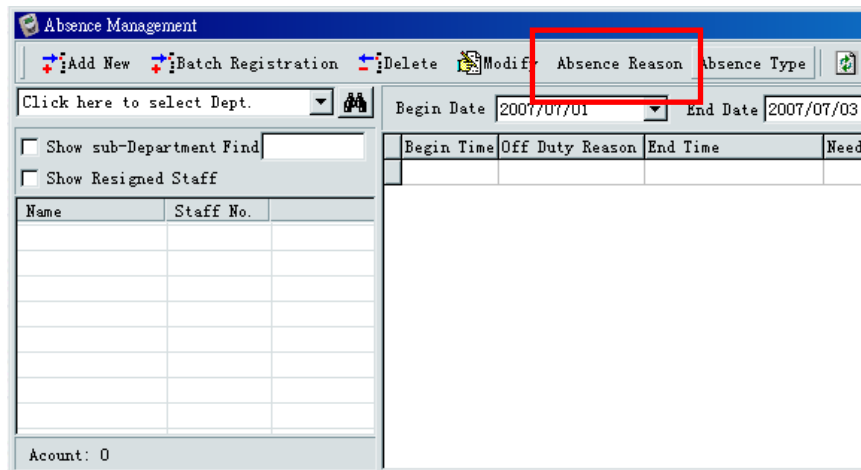
“Absence Management” handles all absence records of staffs. The records might be annual leave, sick leave, etc. User can also add special records such as “Meeting with customer”, “Business trip”, etc.

4.2.1 Define Absence Reason

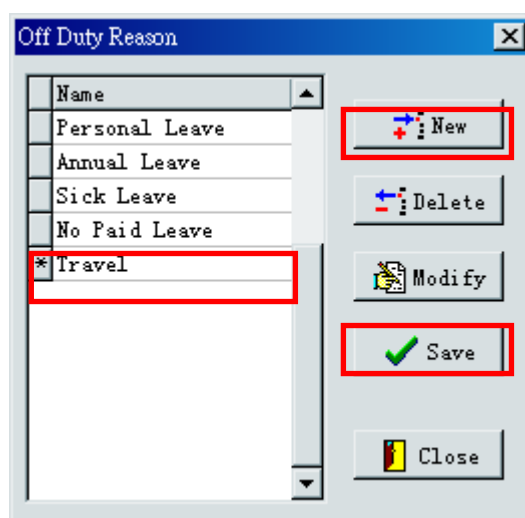
Go to “Attendance Management” and then “Absence Management”.



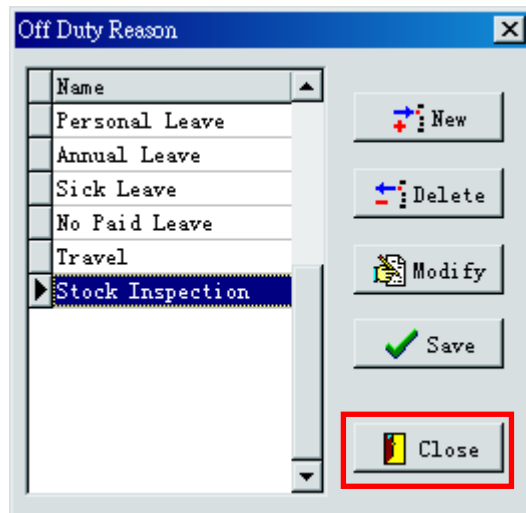
Click “Absence Reason”.



Click “New” to add new absence reason. Input all the absence reasons and then click “Save”.

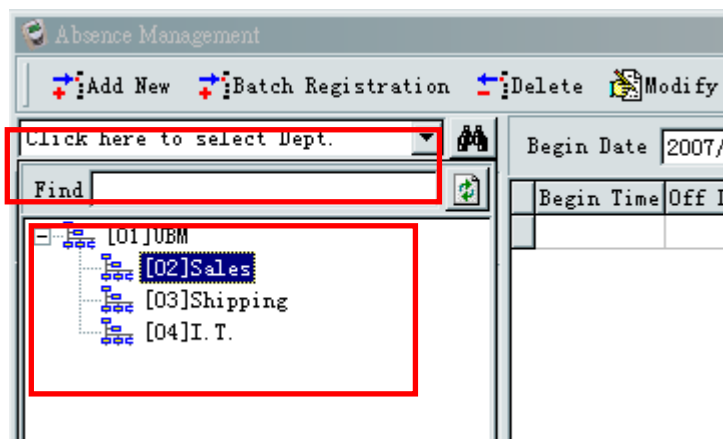


Click “Close” to exit.

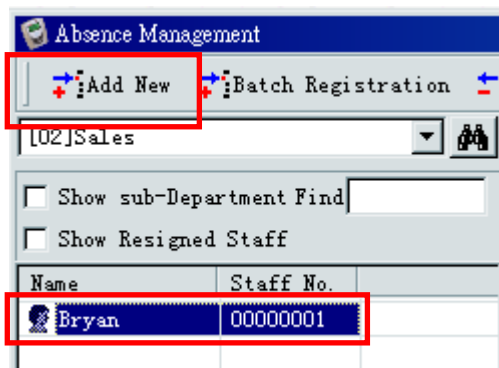


4.2.2 Add Single Absence/Leave Record

Go to “Attendance Management” and then “Absence Management”.
Click on “Click here to select Dept.” and then select the department.



Select staff and then click “Add New”.



Select “Off Duty Reason”, and then specify the “Begin Date”, “Begin Time”, “End Date” and “End Time”.

Add Absence Registration

Off Duty Reason: **Personal Leave**

Begin Date: 03 July, 200

Begin Time: 09:00

End Date: 03 July, 200

End Time: 18:00

Clock-in Required ☒

Clock-out Required ☒

OK Cancel

If staff is absence for half-day or a couple hours, user has to specify whether the staff still need to swipe card or not. If no swiping card are required, the system regard the “Begin Time” and “End Time” as clock-in time and clock out time accordingly.

Clock-in Required: Staff has to swipe card during on duty.

Clock-out Required: Staff has to swipe card during off duty.

Add Absence Registration

Off Duty Reason: **Personal Leave**

Begin Date: 03 July, 200

Begin Time: 09:00

End Date: 03 July, 200

End Time: 18:00

Clock-in Required ☒

Clock-out Required ☒

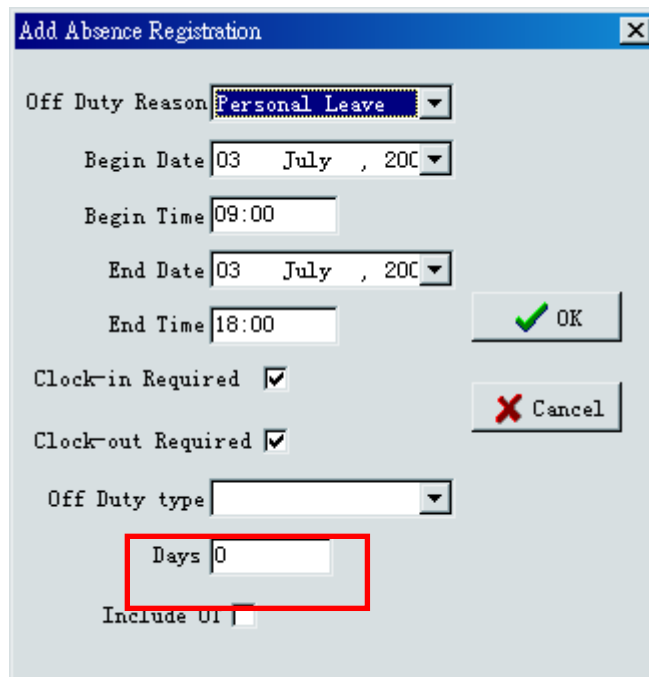
Off Duty type:

Days: 0

Include OT ☐

OK Cancel

Specify the number of “Days” that the leave/absence taken. User can input “0.1”, “0.5” or “1”, etc.



The "Add Absence Registration" dialog box contains the following fields and controls:

- Off Duty Reason:** A dropdown menu with "Personal Leave" selected.
- Begin Date:** A date picker showing "03 July, 2007".
- Begin Time:** A text box containing "09:00".
- End Date:** A date picker showing "03 July, 2007".
- End Time:** A text box containing "18:00".
- Buttons:** "OK" (with a green checkmark icon) and "Cancel" (with a red X icon).
- Clock-in Required:** A checked checkbox.
- Clock-out Required:** A checked checkbox.
- Off Duty type:** An empty dropdown menu.
- Days:** A text box containing "0", which is highlighted with a red rectangle.
- Include UI:** An unchecked checkbox.

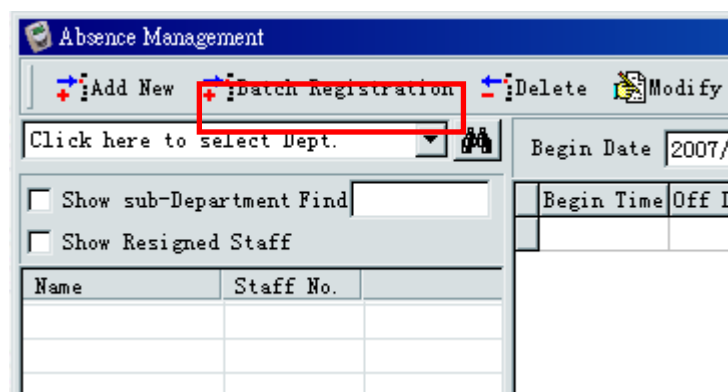
Click "OK" to save. The new absence record will be shown.

Begin Date		2007/07/01	End Date		2007/07/03
	Begin time	Off Duty Reason	End time	Need Clock-in	Need Clock-out
	2007/07/03 9:00:00	Personal Leave	2007/07/03 18:00:00	☒	☒

4.2.3 Batch Absence/Leave Record Registration

Go to "Attendance Management" and then "Absence Management".

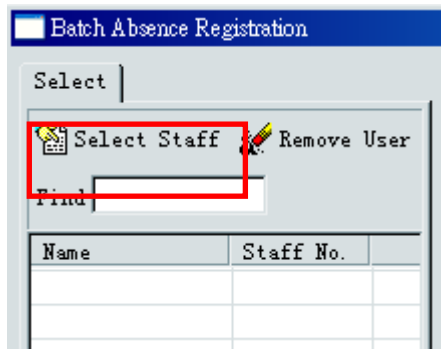
Click "Batch Registration".



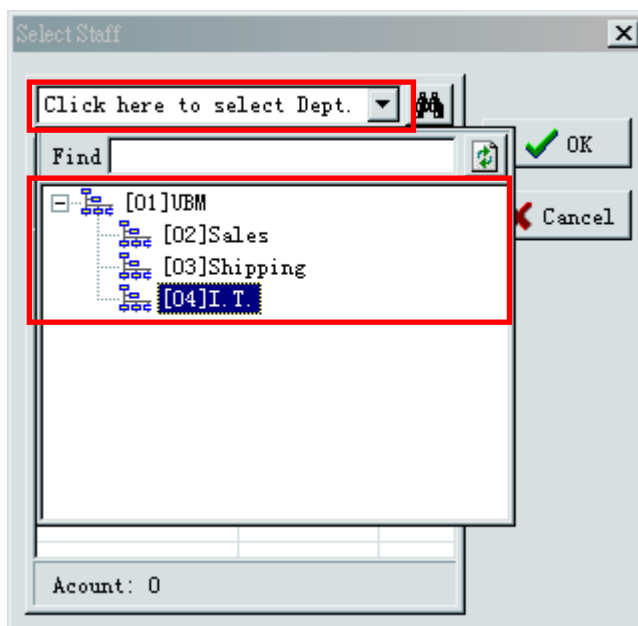
The "Absence Management" window features a menu bar with "Add New", "Batch Registration" (highlighted with a red rectangle), "Delete", and "Modify". Below the menu bar, there is a "Click here to select Dept." dropdown and a "Select staff" button. On the right, there are date and time pickers for "Begin Date" (2007/), "Begin Time", and "Off D". At the bottom, there is a table with columns "Name" and "Staff No.".

Name	Staff No.

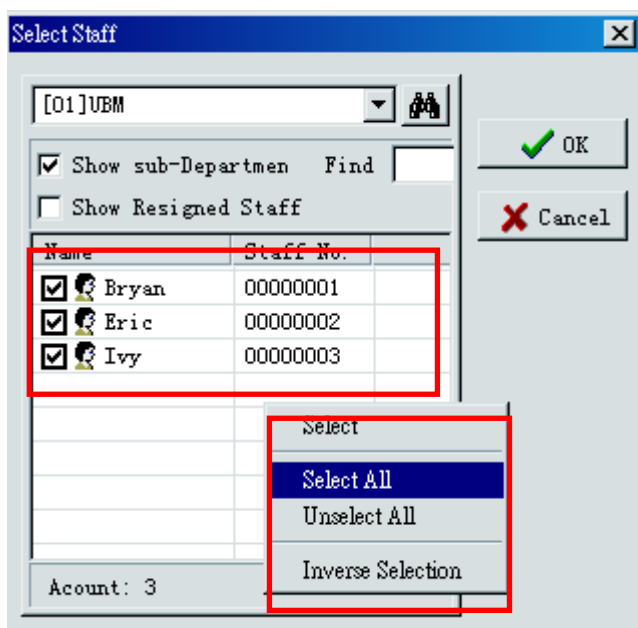
Click "Select staff".



Click “Click here to select Dept.”, and then select the target department.



Put a tick in the box for all target staff. Or, right-click on the blank area, click “Select All” on the popup menu to select all listed staffs. Click “OK” to proceed.



After selecting staffs, input all necessary information. (Refer to Step 11.2.4 to 11.2.7 for details)

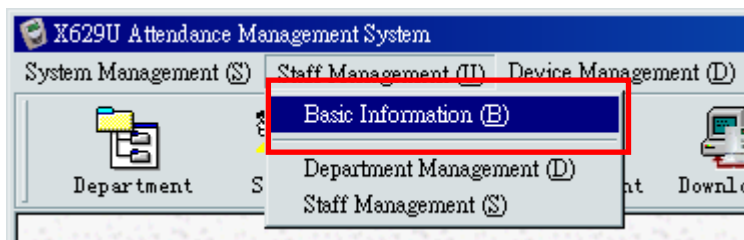
Click “OK” to save and then click “Cancel” to exit.

4.3 Manual Adjustment

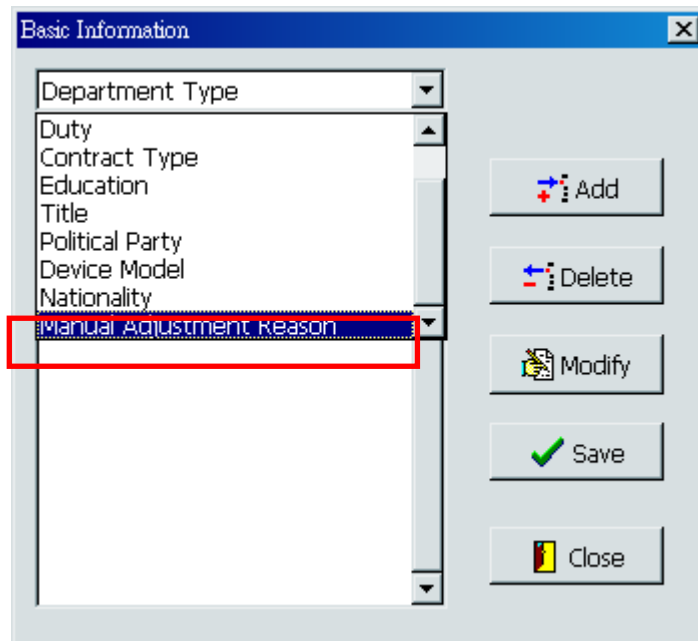
If staff does not have either clock-in or clock-out record, the system will not able to generate an accurate attendance report. User must add the record manually.

4.3.1 Add Swipe Record

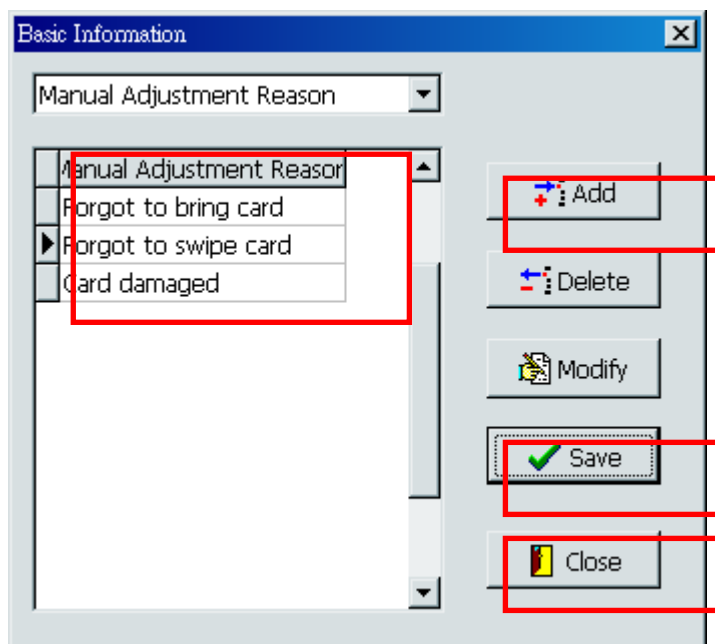
Before adding swipe record, “Adjustment Reason” has to be defined first. Go to “Staff Information” and then “Basic Information”.



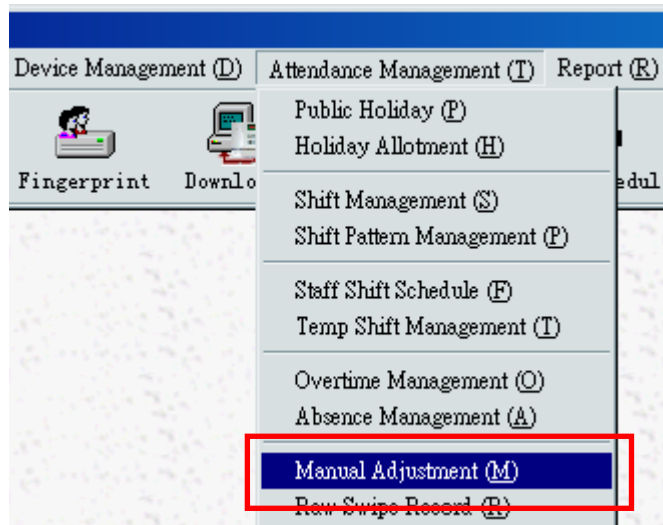
Select “Manual Adjustment Reason”



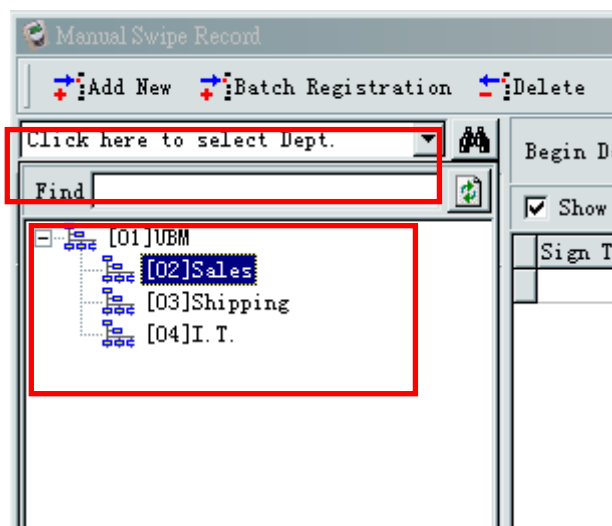
Click “Add” to add new reason and then click “Save”. Click “Close” to exit.



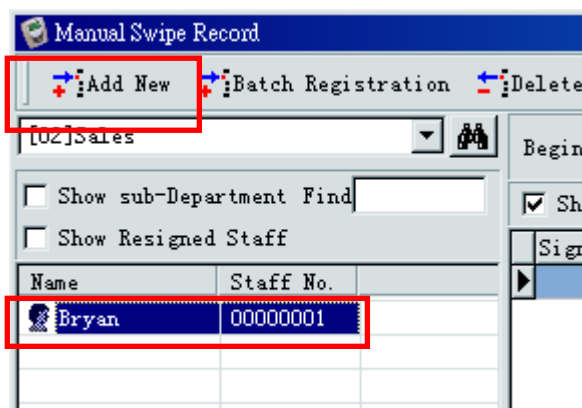
Go to “Attendance Management” and then “Manual Adjustment”.



Click on “Click here to select Dept.” and then select the department.



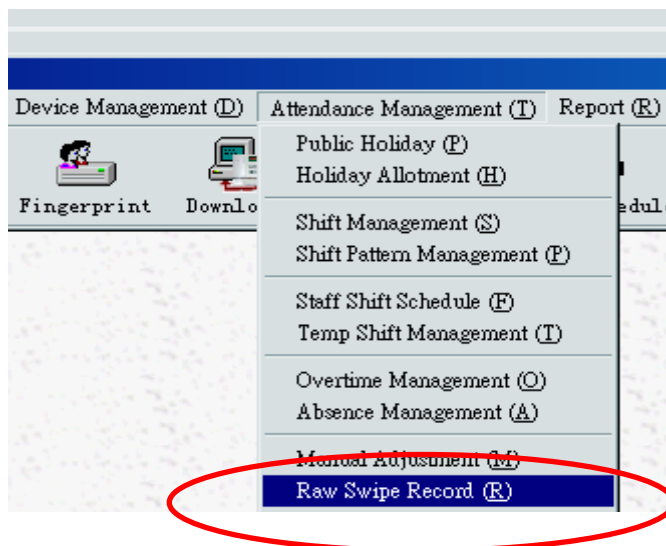
Select staff and then click “Add New”.



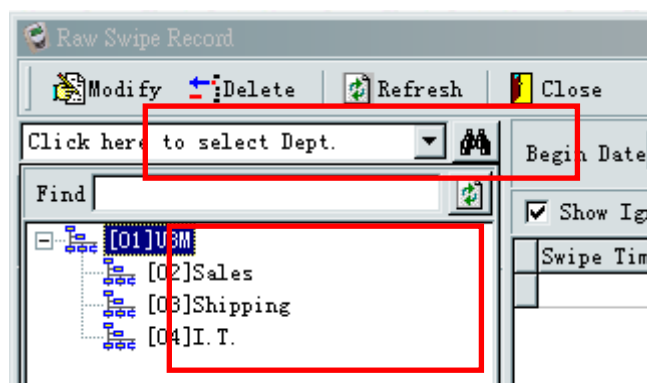
Specify “Adjustment Date”, “Adjustment Time” and select “Adjustment Reason”. Click “OK” to add new record.

4.4 Check Raw Swipe Record

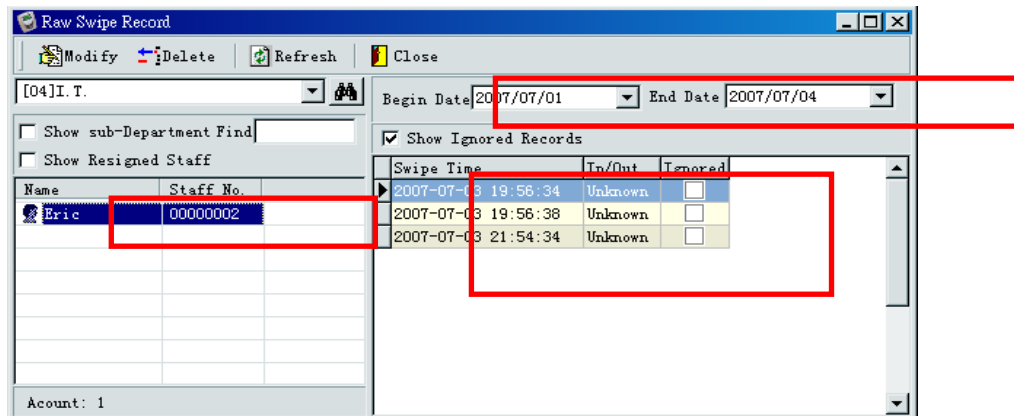
Go to “Attendance Management” and then “Raw Swipe Record”



Click on “Click here to select Dept.” and then select the department.

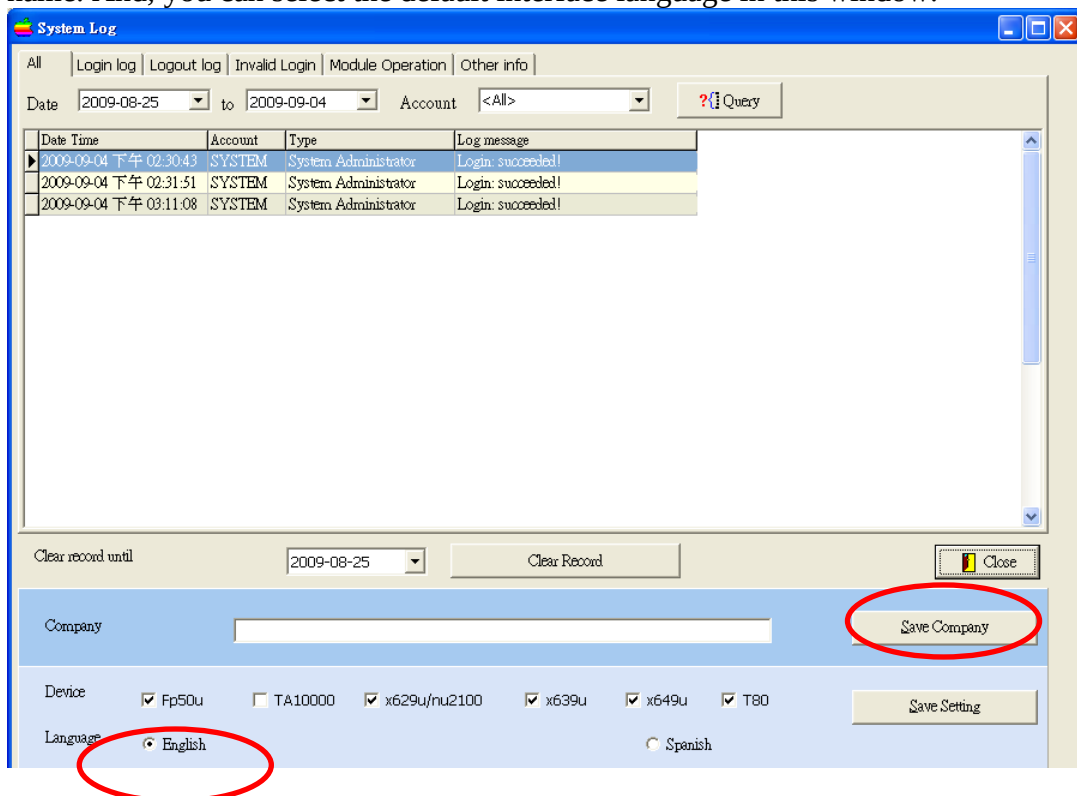


Select target staff and the then specify “Begin Date” and “End Date”. All swipe records in the specified time period will be listed.



4.5 Check System Log

System log is to check the login and logout status. Besides, it allows you to set the system company name. And, you can select the default interface language in this window.

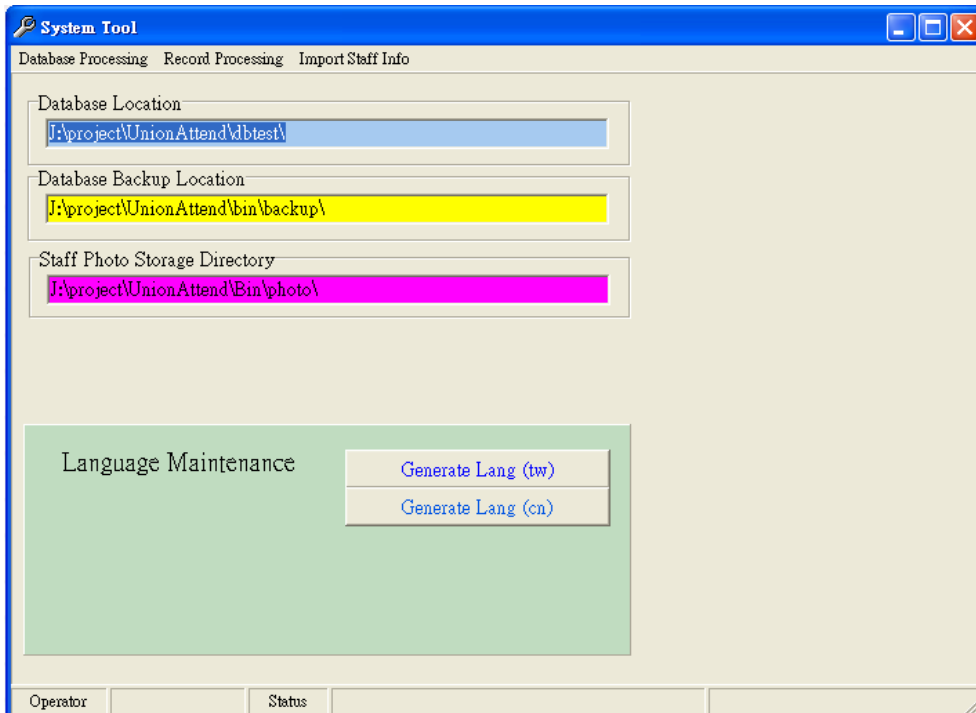


When you have input of the company name, remember to click the button “Save Company” to save the name. Then, the company name will be shown in all reports of the system. Similarly, when you have selected the interface language, you need to click the button “Save Setting” to save the selection.

5. OTHER SYSTEM OPERATION

System Tool

System tool is mainly for doing housekeeping job of the system.

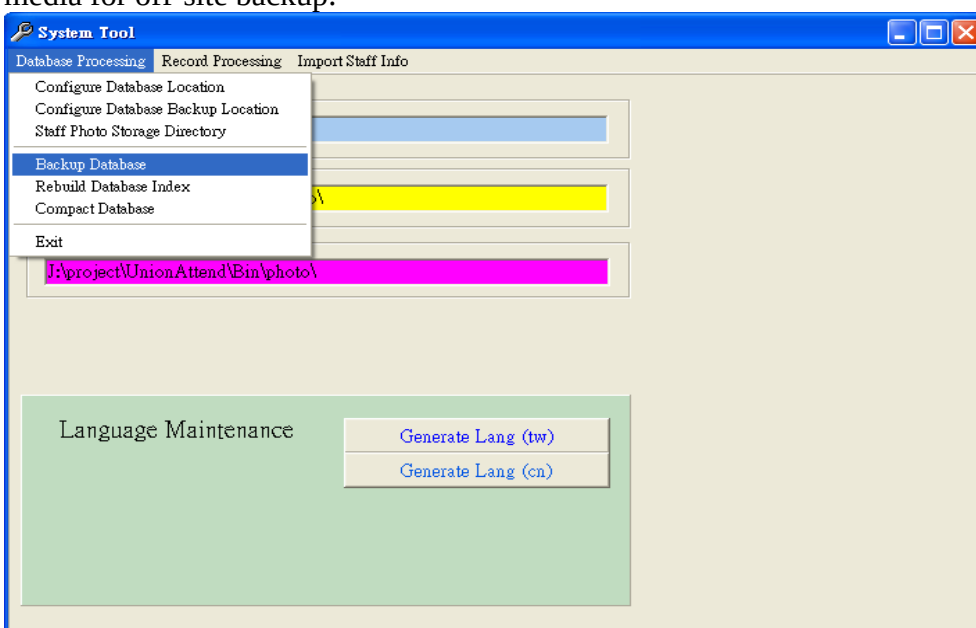


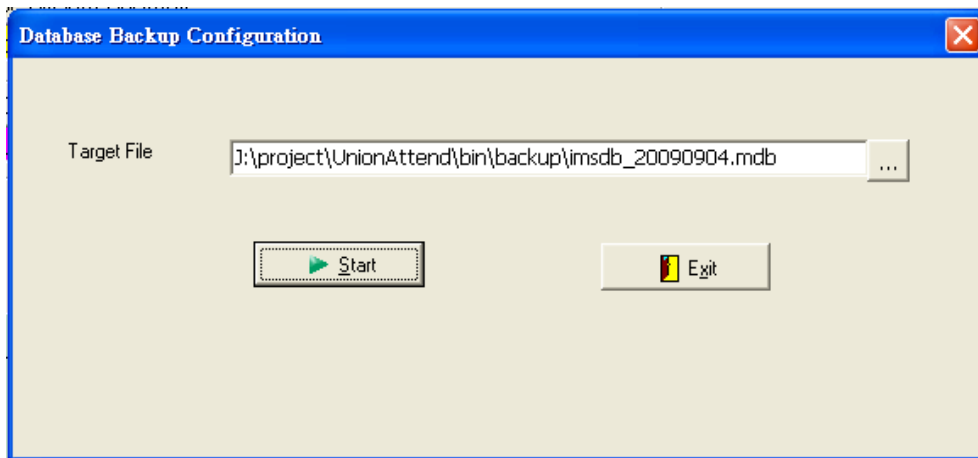
5.1 Path Setting

It is for setting the location of different items such as database location, backup location and photo location. Photo location is to put the file of image for each staff. Backup location is the path for storing backup data. Database location is the path for storing the access database (imsds.mdb) and the corresponding system database (system.mdw).

5.2 Database Backup

It is to backup the whole database into other area. Then, you may copy the backup to other removable media for off-site backup.



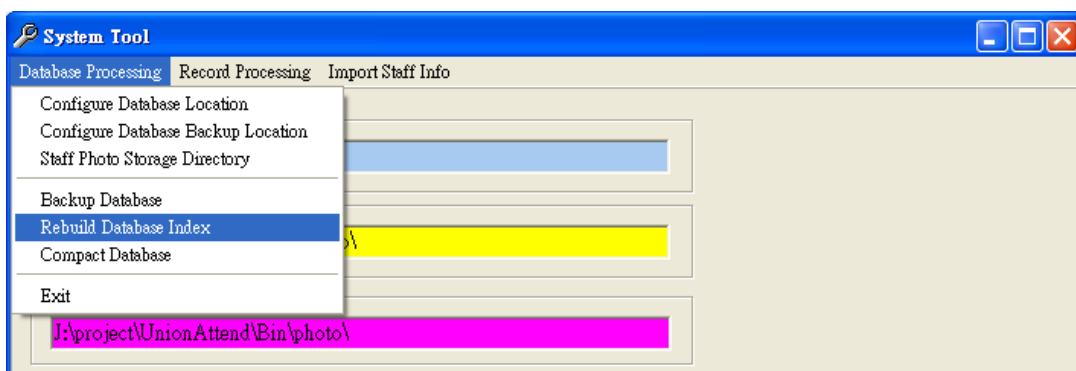


The default backup file name will be displayed. If you accept the name, you just click the button “Start” or you can change it. The default path is the backup location stored in the system. Once you finish the backup process, you can copy the backup file to other removable media for off-site backup.

To restore the database, you do not need the system interface. You just copy the imsd_b_yyyymmdd.mdb back to the database directory and rename to imsd_b.mdb. Please be reminded that the authentication database “system.mdw” must be present in the same directory as that of imsd_b.mdb. Otherwise, you cannot access to the database.

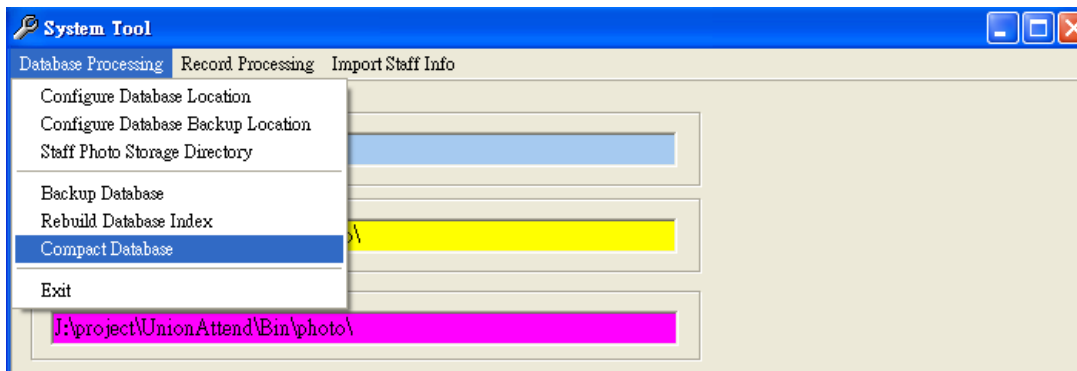
5.3 Rebuild Database Index

Database use index to search records so that you can get a list of records quickly. Without index, the searching will take more time. Rebuild database index is to reorganize the index structure so that the speed of searching will be increased.



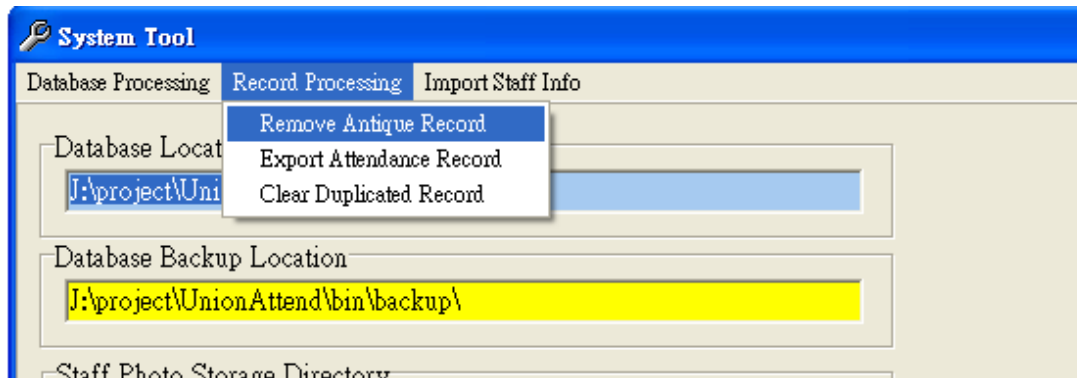
5.4 Compact Database

Database operation will cause the fragmentation in the blocks of the database. Block is the basic component of database. Compact database will do the de-fragmentation of these blocks which will increase the speed of performance of operation.

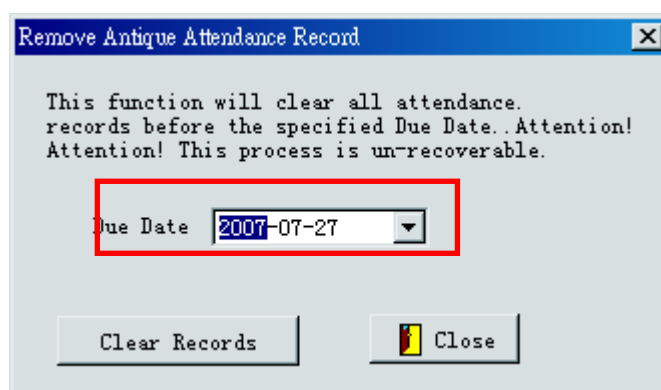


5.5 Remove Antique Record

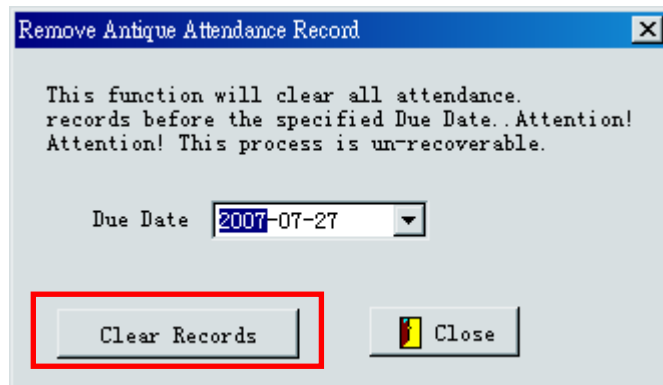
Day by day, the records in the system will be accumulated and the database size will be very large. This item can be used to remove the old records so that the database size will be cut down.



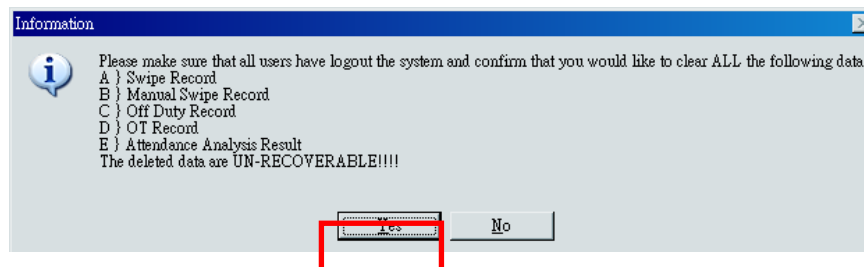
When you invoke the item, a window will be displayed for asking the “Due Date”.
(Notes: the “Due Date” CANNOT be the date within the nearest 120 days.)



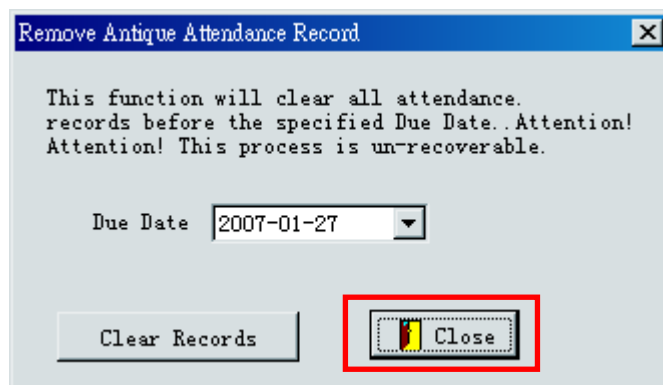
Click the button “Clear Record” to remove all attendance record before the “Due Date”.



Click “Yes” to confirm the removal.

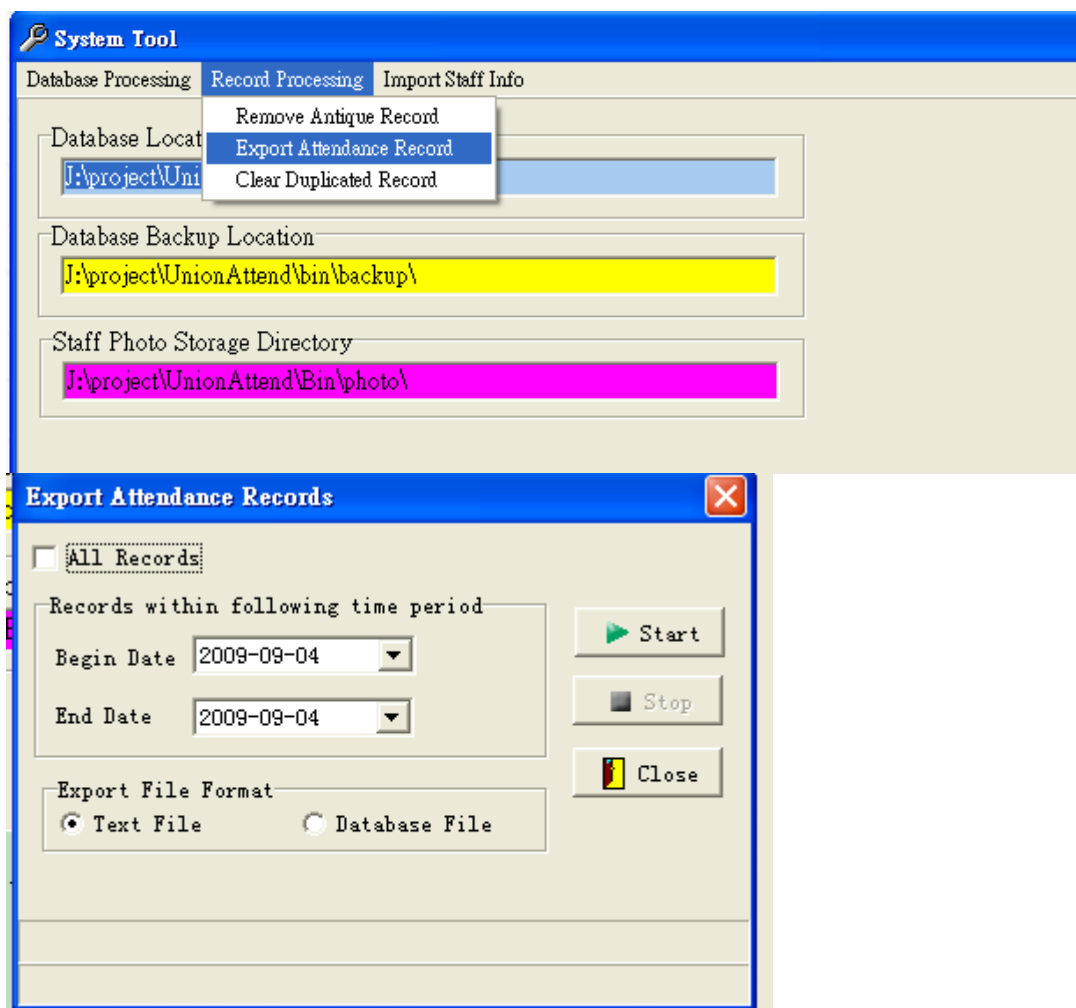


Click “Close” to exit.



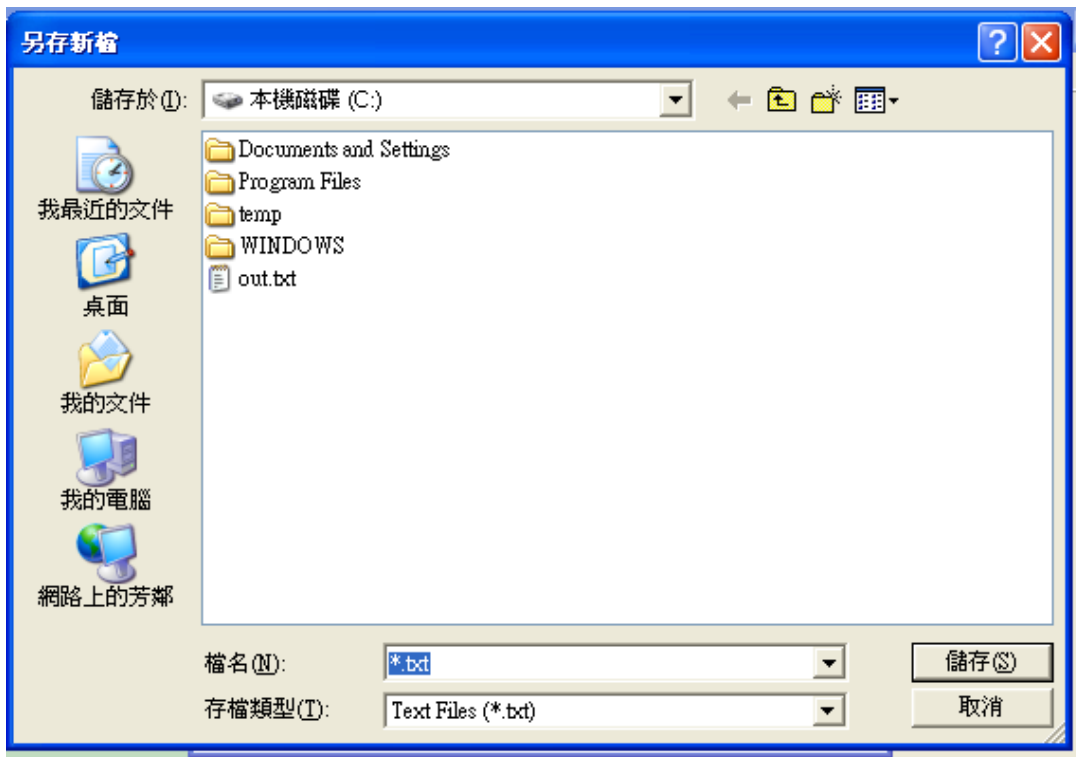
5.6 Export Attendance Record

This item is to export the raw swipe record out to text file or database file. This is for other system to get the data and do processing. For example, you may have a payroll system which can import the raw swipe record from text file. Then, you can use this item to do the job.



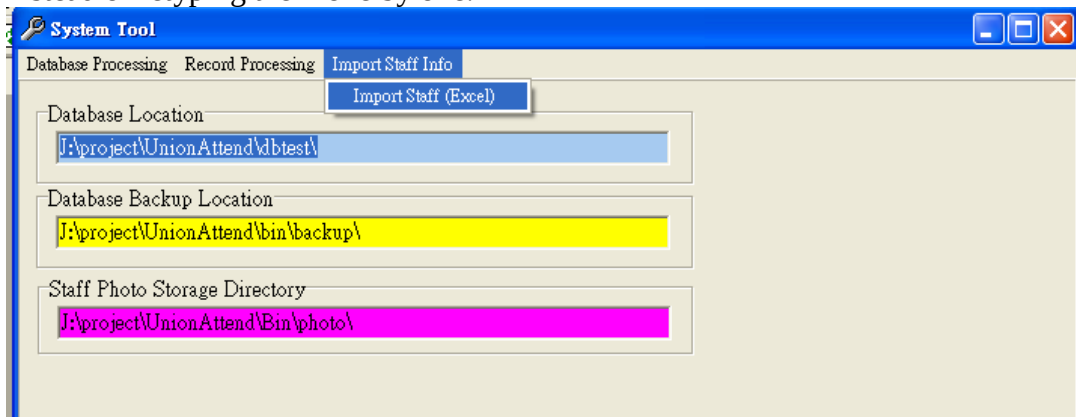
You are asked to select all records or input a data range for output. And, you need to choose the target is text file or database file. Once you confirm the input, you can click the button “Start” to start the process.

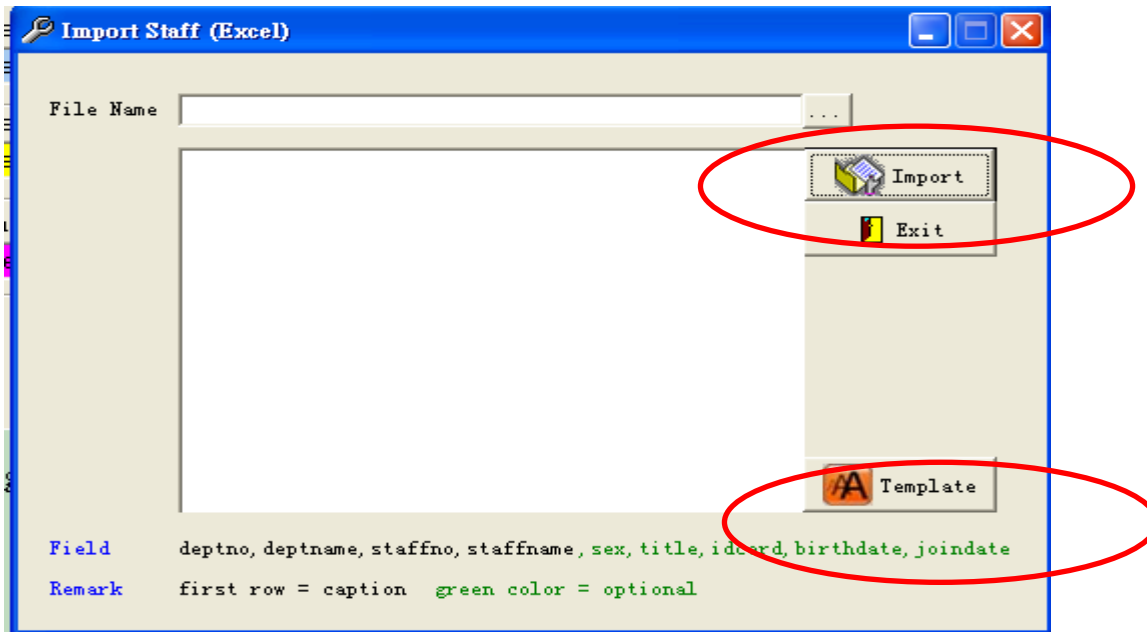
Then you need to choose the output path and filename for storing the data.



5.7 Import Staff

This item is for importing staff information from an excel file. Many customers have a legacy system or an excel sheet to keep the staff information. They then can use this item to import the staff information instead of retyping them one by one.



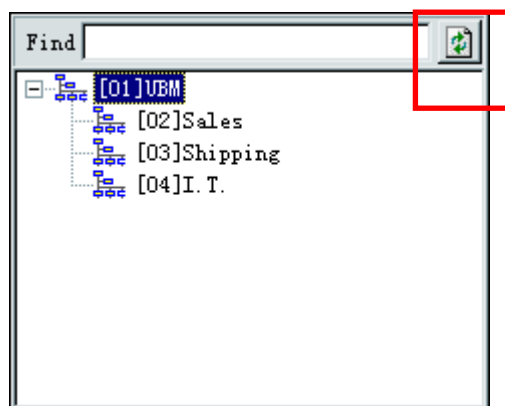


In the input window, you can see the format of the excel file by clicking the button “Template”. After you prepare the excel file, you can input the path and file name in the file name box and click the button “Import” to proceed.

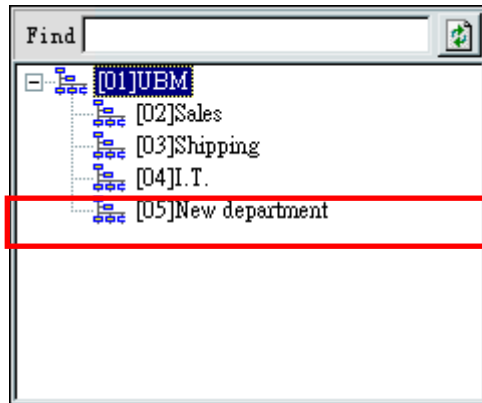
6. TROUBLE-SHOOTING

6.1 Cannot see new department after adding the department.

Click the “update” button in the Department List.



After clicking the button, new department will be shown.



6.2 Cannot execute download module

If you click the download icon with error message of “class not registered”, the device API may be disconnected from windows. You can register back the API. If your program is installed in \program files\unionattend, you will see 3 directories in the path. They are api, apinew, apinu3100. Just go the three directories and execute the batch file reg.bat to restore the registration of API.

--- The End ---