

Individual Project Final Report

Restaurant Management System

Fall 2015

By:

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Screens:

0001 Main screen
0100 Sign In screen
0101 Change Password
0110 Table Reservation
0111 Dine In reservation Screen
0112 Delivery Registration Screen
0113 Takeout screen
0130 Manager Screen
0131 Menu
0132 Inventory
0133 Employees
0134 Sales Screen.
0140 Admin Screen

TABLES:

ZEMPLIST17 Employee List
ZRMSEMP17 Employee Details of the Restaurant
ZRMSMENU17 Menu
ZSALES17 Sales table
ZTRESERVE17 Table Reservation
ZTSTAUS17 Table status of RMS

LOGIN CREDENTIALS:

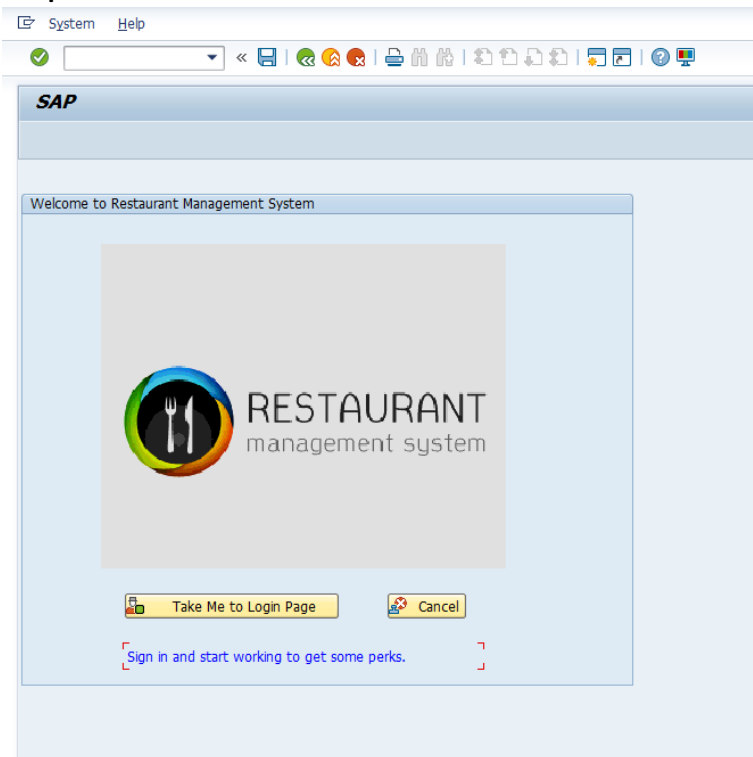
Administrator:

- ID – ADMIN (All Capital)
- Password – admin

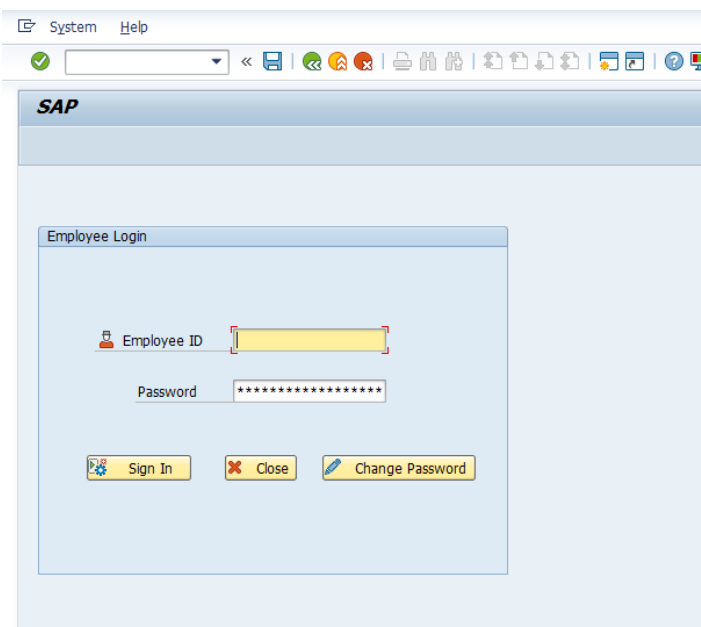
Manager:

- ID – MANAG1 (All Capital)
- Password – manager

Receptionist: ID – rece1 , password – PASS(all capital) / ID- rece5 , password – PASS(all capital).

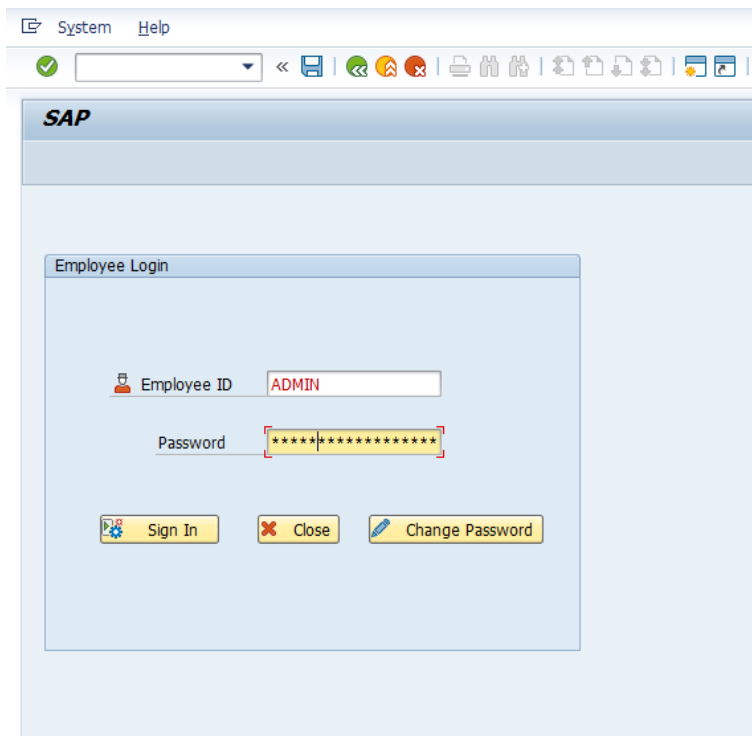
Output:

This screen notifies the user that they are using restaurant management system. User can choose to go to login page by selecting "Take me to login page" or can quit the application by clicking on "cancel".



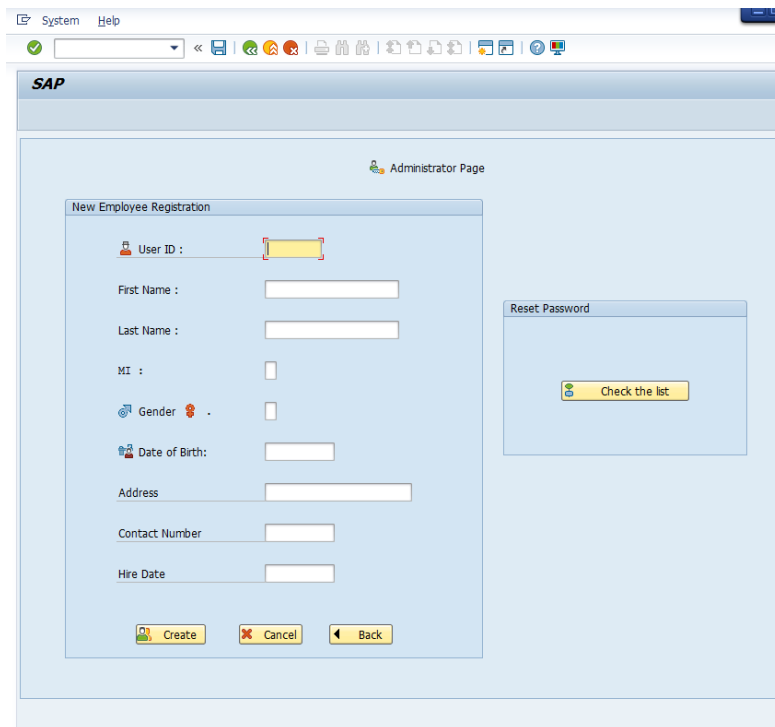
This screen appears up on clicking "Take me to login page" in previous screen. User is asked to enter their Login credentials.

ADMINISTRATOR:



The screenshot shows the SAP Employee Login window. At the top, there is a menu bar with 'System' and 'Help'. Below the menu bar is a toolbar with various icons. The main area of the window is titled 'Employee Login'. It contains two input fields: 'Employee ID' with the value 'ADMIN' and 'Password' with a masked password '*****'. Below the input fields are three buttons: 'Sign In', 'Close', and 'Change Password'.

Administrator logs in to the system using his ID (ADMIN) and password(admin).



The screenshot shows the SAP Administrator Page. At the top, there is a menu bar with 'System' and 'Help'. Below the menu bar is a toolbar with various icons. The main area of the window is titled 'Administrator Page'. It contains a 'New Employee Registration' form with the following fields: 'User ID' (with a yellow highlight), 'First Name', 'Last Name', 'MI', 'Gender', 'Date of Birth', 'Address', 'Contact Number', and 'Hire Date'. Below the form are three buttons: 'Create', 'Cancel', and 'Back'. To the right of the form is a 'Reset Password' section with a 'Check the list' button.

Home page of administrator, he/she has the powers to add a new employee, generate an ID for accessing system and resetting their password whenever required.

The screenshot shows the SAP Administrator Page with the 'New Employee Registration' form. The form contains the following fields and values:

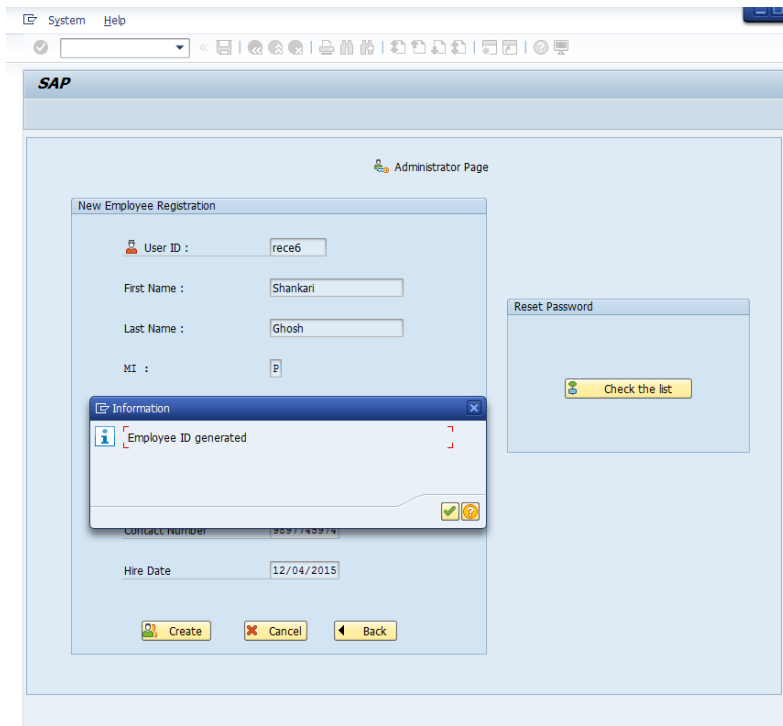
Field	Value
User ID	rece6
First Name	Shankari
Last Name	Ghosh
MI	P
Gender	M
Date of Birth	05/05/1969
Address	Apt. 202, Northwest Ap...
Contact Number	9897745974
Hire Date	12/04/2015

At the bottom of the form are three buttons: 'Create', 'Cancel', and 'Back'. To the right of the form is a 'Reset Password' section with a 'Check the list' button.

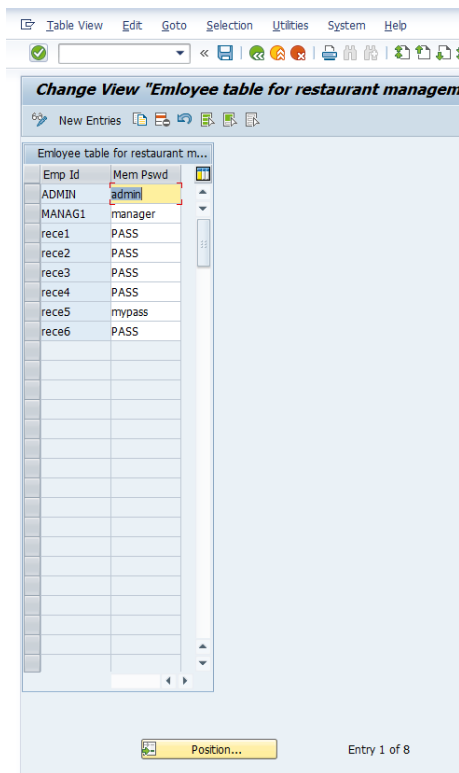
Administrator fills in the details of the new employee and clicks on “create”.

This screenshot shows the same SAP Administrator Page as the previous one, but with an 'Information' dialog box open. The dialog box contains the message: 'Record successfully inserted into system'. The 'Create' button on the form is highlighted, indicating it has been clicked.

This dialogue box display up on correct entry details.



Employee Id gets generated along with the data being inserted in to ZEMPLIST17 table.



When the admin clicks on “Check Details” button, he will be able to view this screen.

The screenshot shows the SAP 'Employee table for restaurant management system' in 'Table View'. The table has two columns: 'Emp Id' and 'Mem Pswd'. The row for 'rece5' is highlighted in orange, and its password 'mypass' is also highlighted. The status bar at the bottom indicates 'Entry 1 of 8'.

Emp Id	Mem Pswd
ADMIN	admin
MANAG1	manager
rece1	PASS
rece2	PASS
rece3	PASS
rece4	PASS
rece5	mypass
rece6	PASS

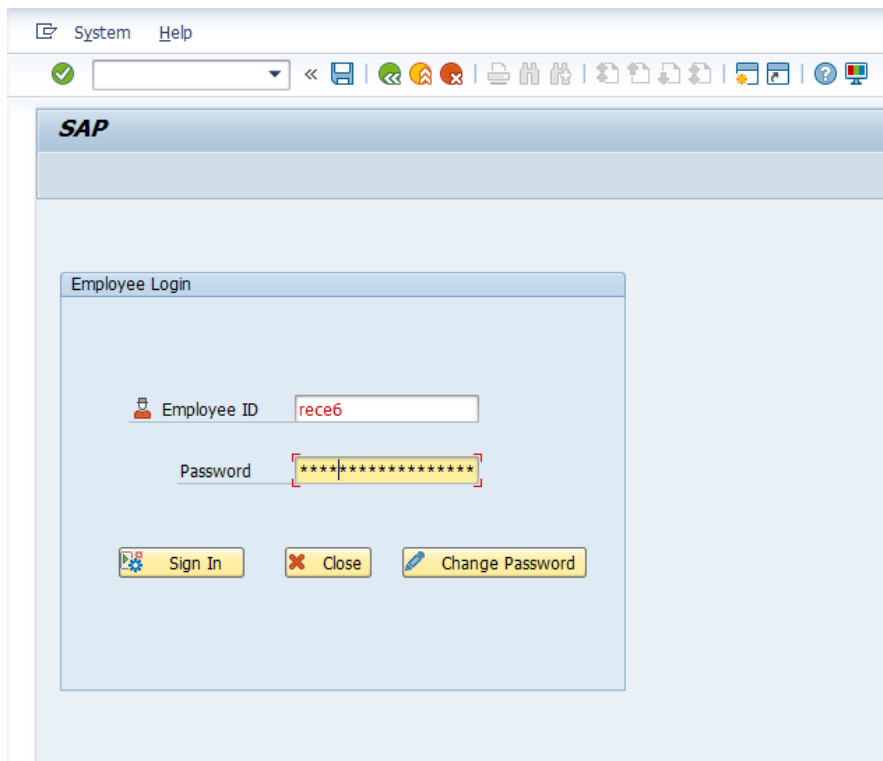
Here, password of employee id 'rece5' is being reset.

The screenshot shows the same SAP table, but the password for 'rece5' has been updated to 'newpass'. The status bar at the bottom now indicates 'Data was saved' and 'Entry 1 of 8'.

Emp Id	Mem Pswd
ADMIN	admin
MANAG1	manager
rece1	PASS
rece2	PASS
rece3	PASS
rece4	PASS
rece5	newpass
rece6	PASS

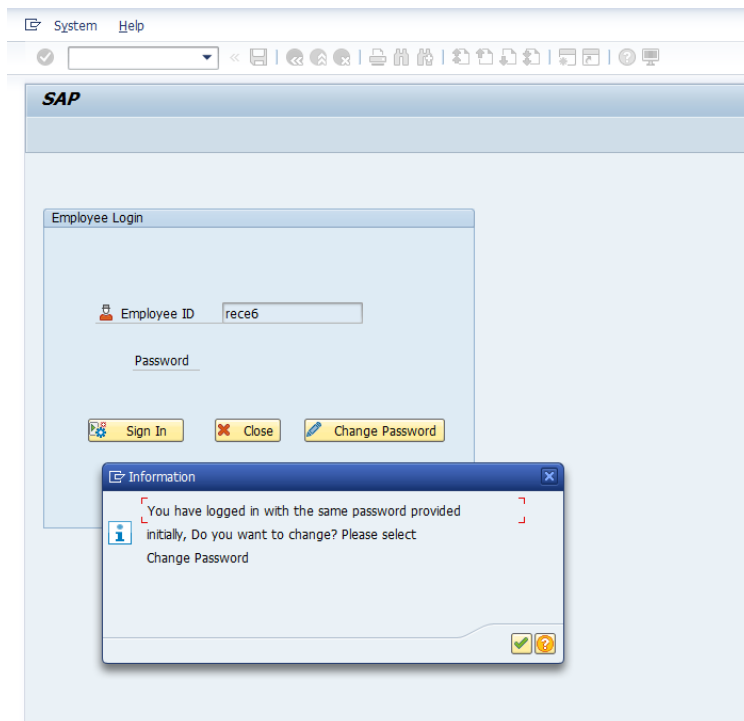
Password has been reset to 'newpass'.

RECEPTIONIST:



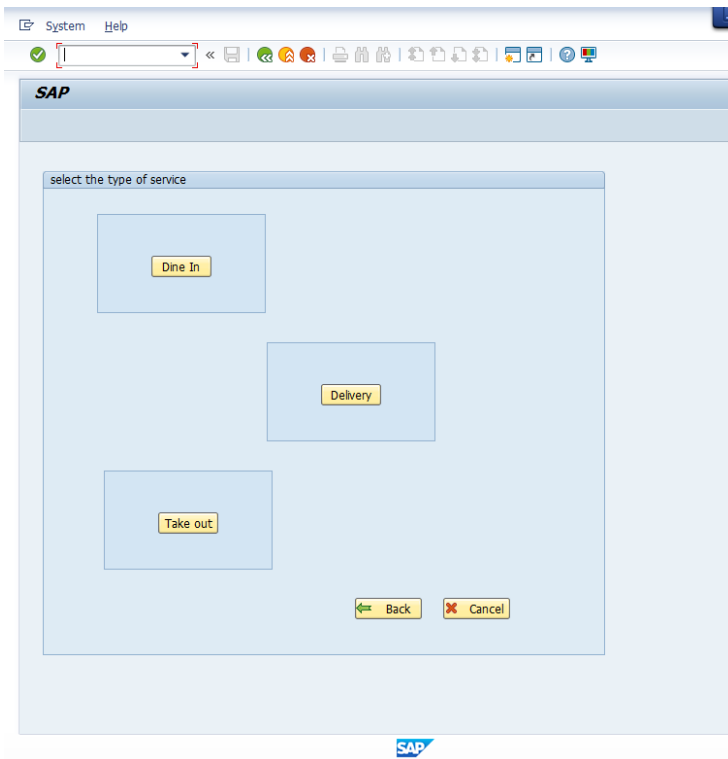
The image shows the SAP Employee Login screen. At the top, there is a menu bar with 'System' and 'Help'. Below the menu bar is a toolbar with various icons. The main area is titled 'SAP' and contains an 'Employee Login' dialog box. The dialog box has two input fields: 'Employee ID' with the value 'rece6' and 'Password' with a masked password '*****'. Below the input fields are three buttons: 'Sign In', 'Close', and 'Change Password'.

Receptionist enters their login credentials to access the system using this screen.

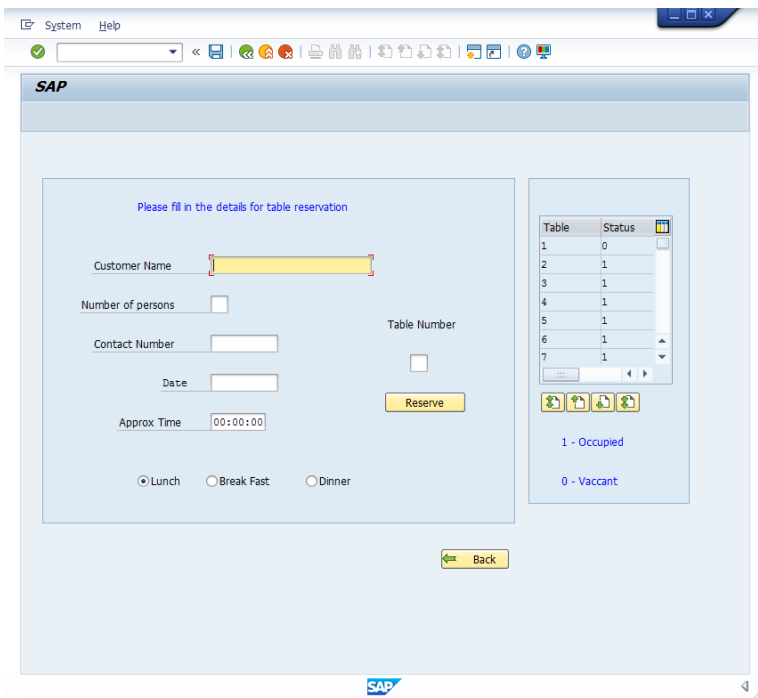


The image shows the SAP Employee Login screen with an additional 'Information' dialog box. The 'Employee Login' dialog box is the same as in the previous image. The 'Information' dialog box is overlaid on top of the login dialog and contains the following text: 'You have logged in with the same password provided initially, Do you want to change? Please select Change Password'. The dialog box has a blue title bar and a close button.

If the user uses the initial password provided during their first login, then system suggests them to change the password.



This screen shows up right after the receptionists gets logged in by providing authentic credentials. In this screen they will be able to take orders and reserve tables by clicking on appropriate button.



This screen shows up on clicking 'Dine In' button in the last screen. Here, the receptionist checks the table status and reserves the table for the customers for the requested date and time by entering details.

System Help

SAP

Please fill in the details for table reservation

Customer Name: Dennis McBride

Number of persons: 4

Contact Number: 9897745833

Date: 12/05/2015

Approx Time: 22:27:29

Table Number: 1

Reserve

☒ Lunch ☐ Break Fast ☐ Dinner

Back

Table	Status
1	0
2	1
3	1
4	1
5	1
6	1
7	1

1 - Occupied
0 - Vaccant

System Help

SAP

Please fill in the details for table reservation

Customer Name: Dennis McBride

Number of persons: 4

Contact Number: 9897745833

Date: 12/05/2015

Table Number: 1

Reserve

☒ Lunch ☐ Break Fast ☐ Dinner

Back

Information

Reservation Successful

Table	Status
1	0
2	1
3	1
4	1
5	1
6	1
7	1

1 - Occupied
0 - Vaccant

Reservation will be done by clicking Reserve button after entering the table number in the text field.

Customer Details

Name:
Address:
Contact Number:
Date: 12/04/2015
Time Of Order: 22:25:05

Menu for today

ID	Name	Type	Price
1	CHICKEN TANDOORI	APPETIZER	18,99
2	CHICKEN 65	APPETIZER	12,99
3	BIRYANI	ENTREE	11,99
5	GOBI 65	APPETIZER	3,99
6	MUTTON KEBAB	APPETIZER	14,99
7	CHICKEN FRIED RICE	ENTREE	11,99
8	TANDOORI ROTI	APPETIZER	2,99
9	PANEER MASALA	MAIN COURSE	10,99
10	PANIPURI	SNACK	4,99

Item Name: Quantity:

Order cost:
Tax (6%):
Total Price:

This screen shows up after the receptionist clicks on the 'Delivery' button on home screen. They can take orders and confirm orders. User can check the menu.

Order Details

Date: 12/04/2015
Time Of Order: 22:25:05
Vehicle Number:

Menu for today

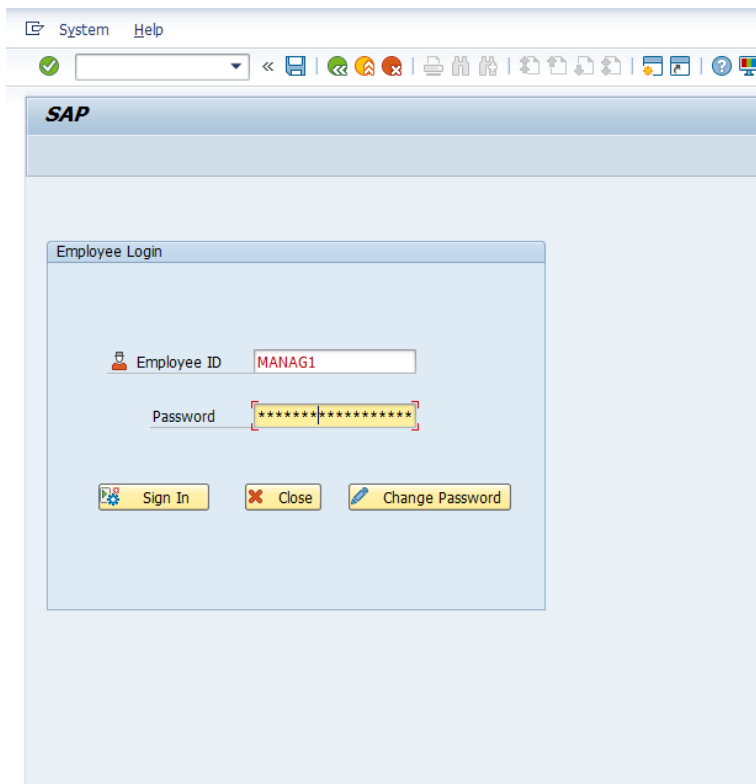
ID	Name	Type	Price
1	CHICKEN TANDOORI	APPETIZER	18,99
2	CHICKEN 65	APPETIZER	12,99
3	BIRYANI	ENTREE	11,99
5	GOBI 65	APPETIZER	3,99
6	MUTTON KEBAB	APPETIZER	14,99
7	CHICKEN FRIED RICE	ENTREE	11,99
8	TANDOORI ROTI	APPETIZER	2,99
9	PANEER MASALA	MAIN COURSE	10,99

Item Name: Quantity:

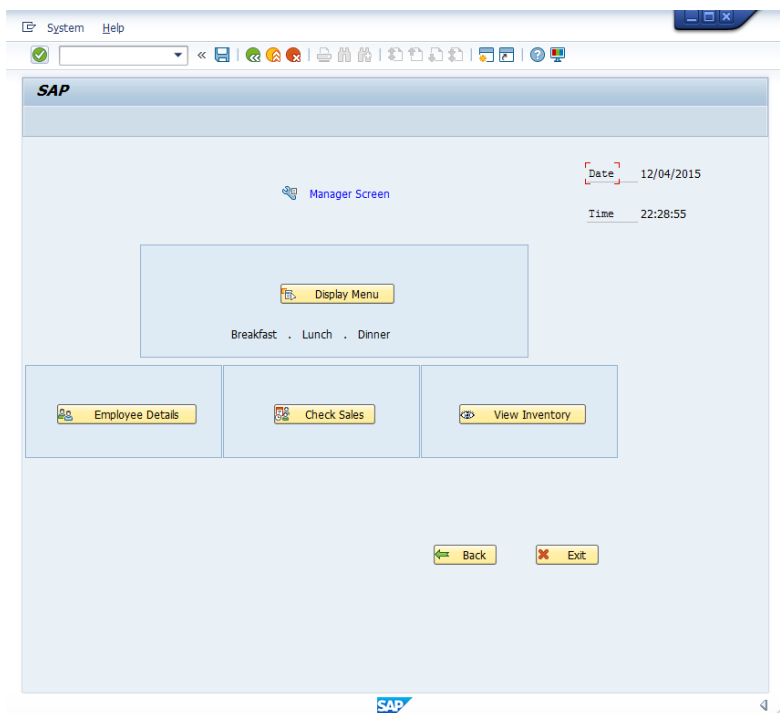
Order Price:
Tax (6%):
Total Price:

This screen shows up on selecting 'Takeout' button on receptionist home screen. This is similar to the delivery screen.

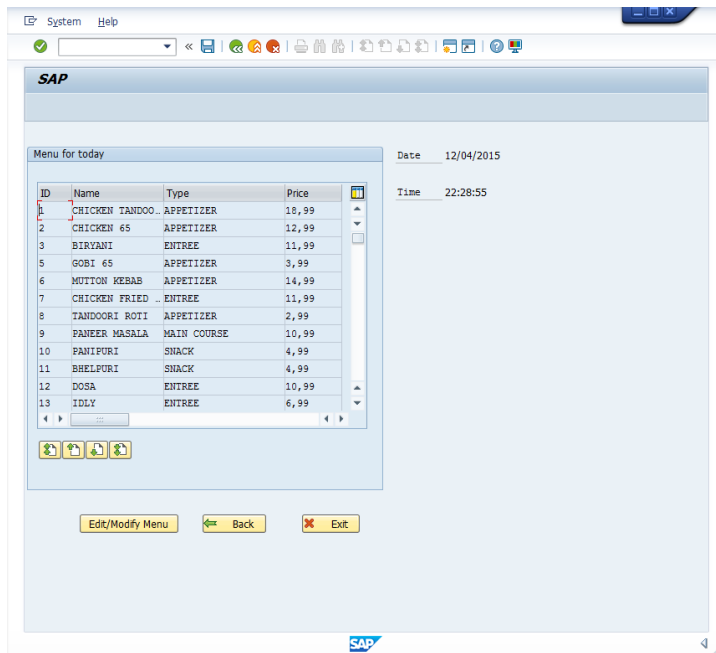
MANAGER:



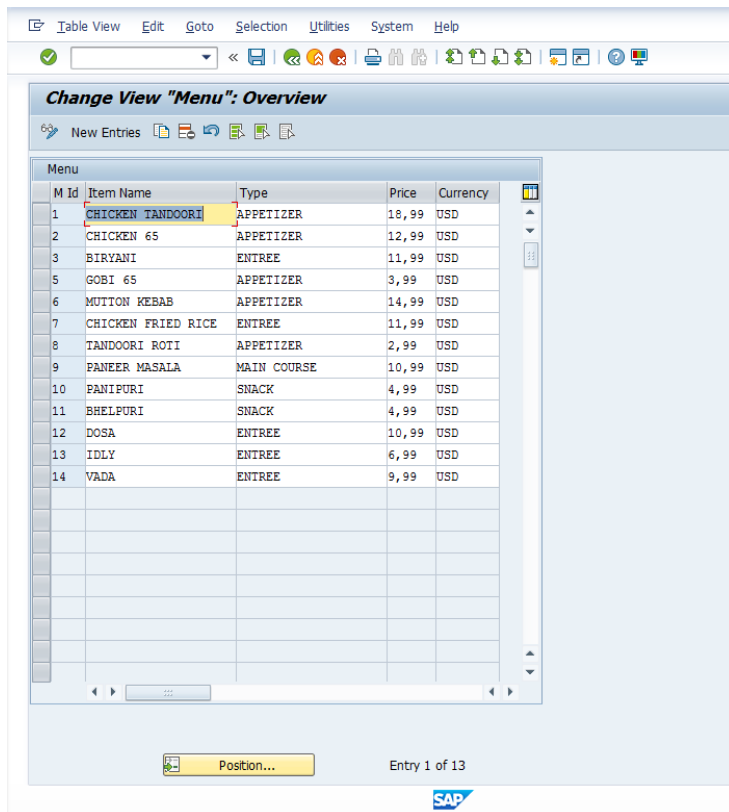
Manager logs in with his own login credentials using this screen.



Manager will be taken to this screen after successful login where he/she can select different options.



Up on selecting the 'Display Menu' button in Manager Home screen, you will be taken to this screen when menu can be seen for that particular day.



The 'Edit/Modify' button in the previous screen helps you to edit and add the menu list, which includes price, name, type and item name.

SAP Screenshot 1: New Entries: Overview of Added Entries. The table shows one entry with M Id 16, Item Name Chicken curry, Type Main course, Price 16,99, and Currency USD.

M Id	Item Name	Type	Price	Currency
16	Chicken curry	Main course	16,99	USD

Entry 0 of 0

SAP Screenshot 2: New Entries: Overview of Added Entries. The table shows one entry with M Id 16, Item Name CHICKEN CURRY, Type MAIN COURSE, Price 16,99, and Currency USD. A status bar at the bottom indicates 'Data was saved'.

M Id	Item Name	Type	Price	Currency
16	CHICKEN CURRY	MAIN COURSE	16,99	USD

Entry 1 of 1

Data was saved

The above two screens shows the addition of a new item to the menu with ID 16 and Name – Chicken Curry.

Table View Edit Goto Selection Utilities System Help

Change View "Menu": Overview

New Entries

M Id	Item Name	Type	Price	Currency
1	CHICKEN TANDOORI	APPETIZER	18,99	USD
2	CHICKEN 65	APPETIZER	12,99	USD
3	BIRYANI	ENTREE	11,99	USD
5	GOBI 65	APPETIZER	3,99	USD
6	MUTTON KEBAB	APPETIZER	14,99	USD
7	CHICKEN FRIED RICE	ENTREE	11,99	USD
8	TANDOORI ROTI	APPETIZER	2,99	USD
9	PANEER MASALA	MAIN COURSE	10,99	USD
10	PANIPURI	SNACK	4,99	USD
11	BHELPURI	SNACK	4,99	USD
12	DOSA	ENTREE	10,99	USD
13	IDLY	ENTREE	6,99	USD
14	VADA	ENTREE	9,99	USD
16	CHICKEN CURRY	MAIN COURSE	16,99	USD

Position... Entry 1 of 14

SAP

Table View Edit Goto Selection Utilities System Help

Change View "Menu": Overview

New Entries

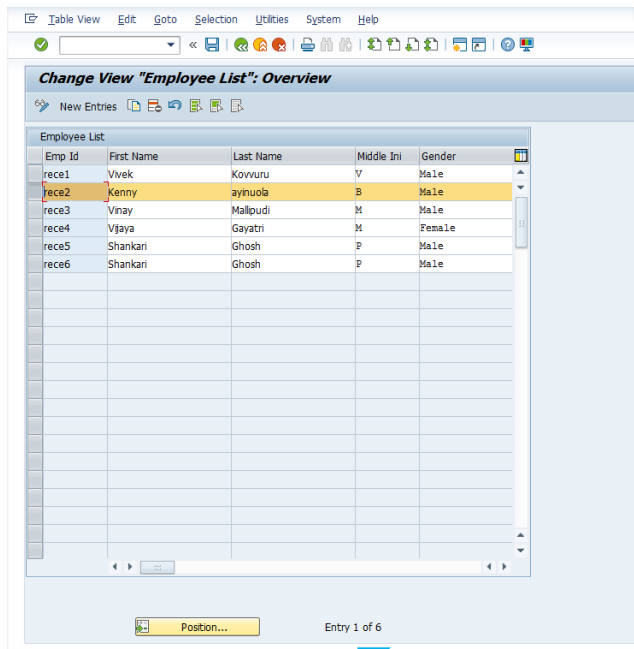
M Id	Item Name	Type	Price	Currency
1	CHICKEN TANDOORI	APPETIZER	18,99	USD
2	CHICKEN 65	APPETIZER	12,99	USD
3	BIRYANI	ENTREE	11,99	USD
5	GOBI 65	APPETIZER	3,99	USD
6	MUTTON KEBAB	APPETIZER	14,99	USD
7	CHICKEN FRIED RICE	ENTREE	11,99	USD
8	TANDOORI ROTI	APPETIZER	2,99	USD
9	PANEER MASALA	MAIN COURSE	10,99	USD
10	PANIPURI	SNACK	4,99	USD
11	BHELPURI	SNACK	4,99	USD
12	DOSA	ENTREE	10,99	USD
13	IDLY	ENTREE	6,99	USD
14	VADA	ENTREE	9,99	USD

Position... Entry 1 of 13

Number of deleted entries: 1

SAP

The above two screens explain the deletion process of a Menu Item using the edit/modify option provided for the manager



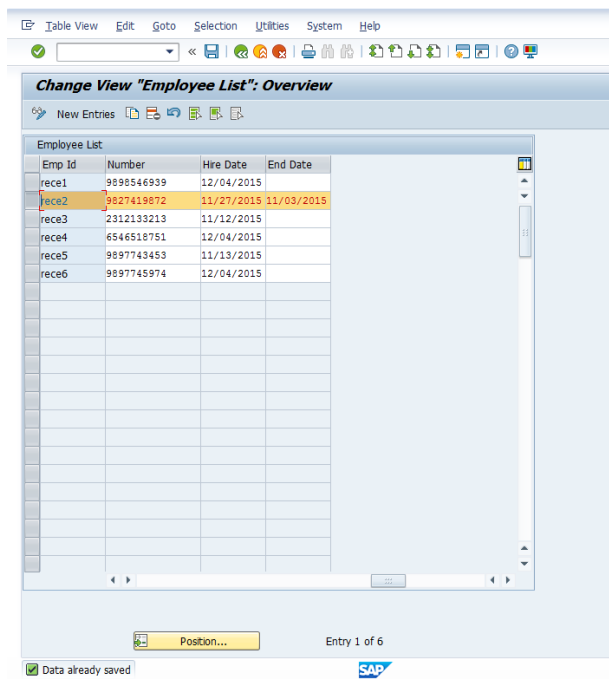
Change View "Employee List": Overview

New Entries

Emp Id	First Name	Last Name	Middle Ini	Gender
rece1	Vivek	Kovvuru	V	Male
rece2	Kenny	aynuola	B	Male
rece3	Vinay	Mallipudi	M	Male
rece4	Vijaya	Gayatri	M	Female
rece5	Shankari	Ghosh	P	Male
rece6	Shankari	Ghosh	P	Male

Position... Entry 1 of 6

When the manager clicks on 'Display employees' in his home screen, then he will be able to see this screen where he can view and edit few fields of the employee.



Change View "Employee List": Overview

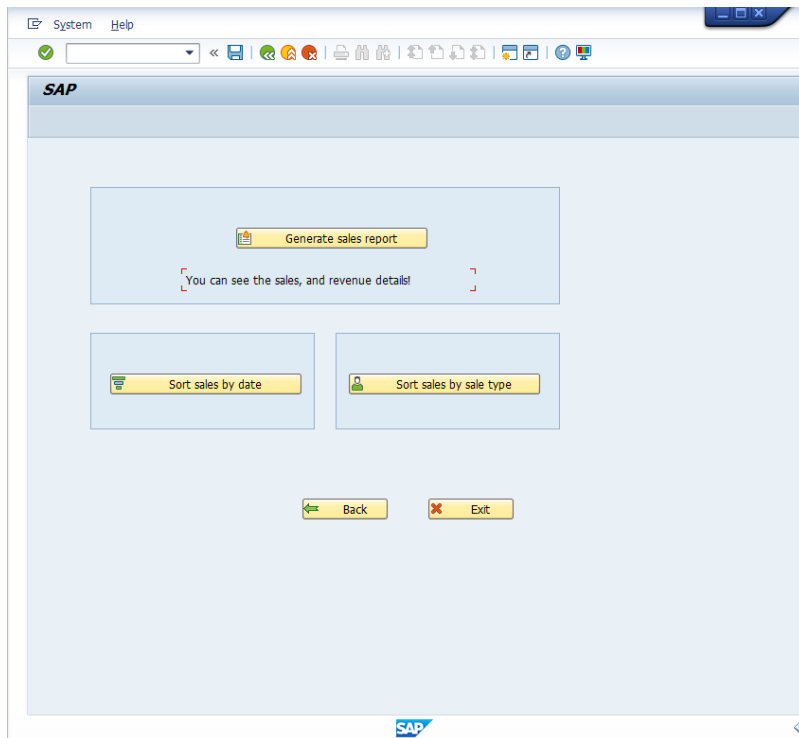
New Entries

Emp Id	Number	Hire Date	End Date
rece1	9898546939	12/04/2015	
rece2	9827419872	11/27/2015	11/03/2015
rece3	2312133213	11/12/2015	
rece4	6546518751	12/04/2015	
rece5	9897743453	11/13/2015	
rece6	9897745974	12/04/2015	

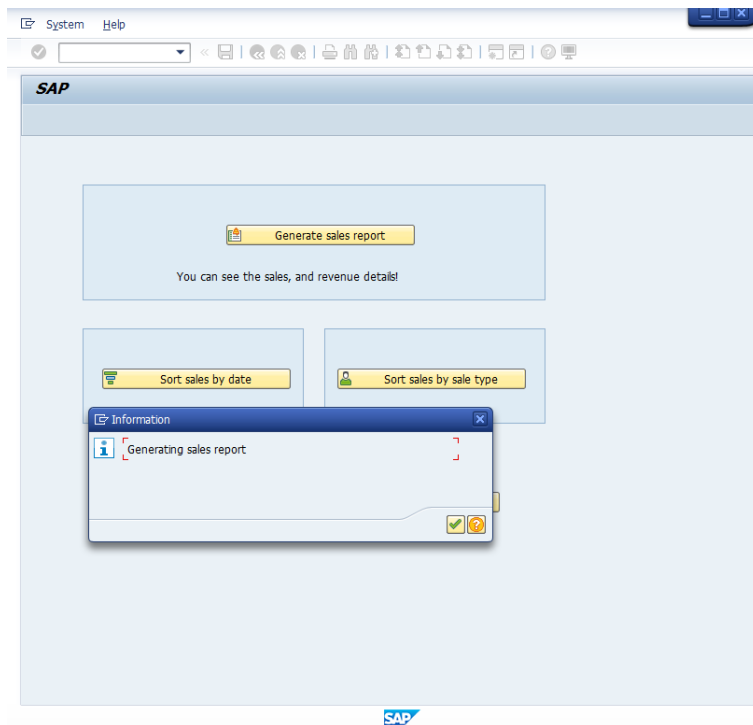
Position... Entry 1 of 6

Data already saved

Here, end work date of an employee has been updated by the manager.



This screen shows up when manager clicks on 'check sales' in his home screen.



Sales report generation acknowledgement dialogue box pops up on selecting 'Generate Sales Report'.

<div> List Edit Goto Views Settings System Help </div> <div> <input type="text"/> </div>					
Sales Report					
<div> </div>					
Serial Num...	Customer	Date	Σ	Amount	Currency
1	VIVEK	11/03/2...		43,20	USD
2	KENNY	11/03/2...		32,50	USD
3	RAHUL	11/02/2...		54,70	USD
4	RICHARD	11/20/2...		28,30	USD
5	ANDREW	11/21/2...		23,94	USD
6	JOHN	11/21/2...		9,20	USD
7	JAKE	11/22/2...		8,23	USD
8	NAVYA	11/22/2...		45,23	USD
9	GHOSH	11/22/2...		59,18	USD
10	PHANI	11/21/2...		23,67	USD
11	NIEL	11/20/2...		45,89	USD
12	JING	11/19/2...		12,43	USD
13	NICK	11/19/2...		34,87	USD
14	HARI	11/20/2...		34,90	USD
15	MORRIS	11/21/2...		56,89	USD
16	DAVID	11/20/2...		45,23	USD
			■	558,36	

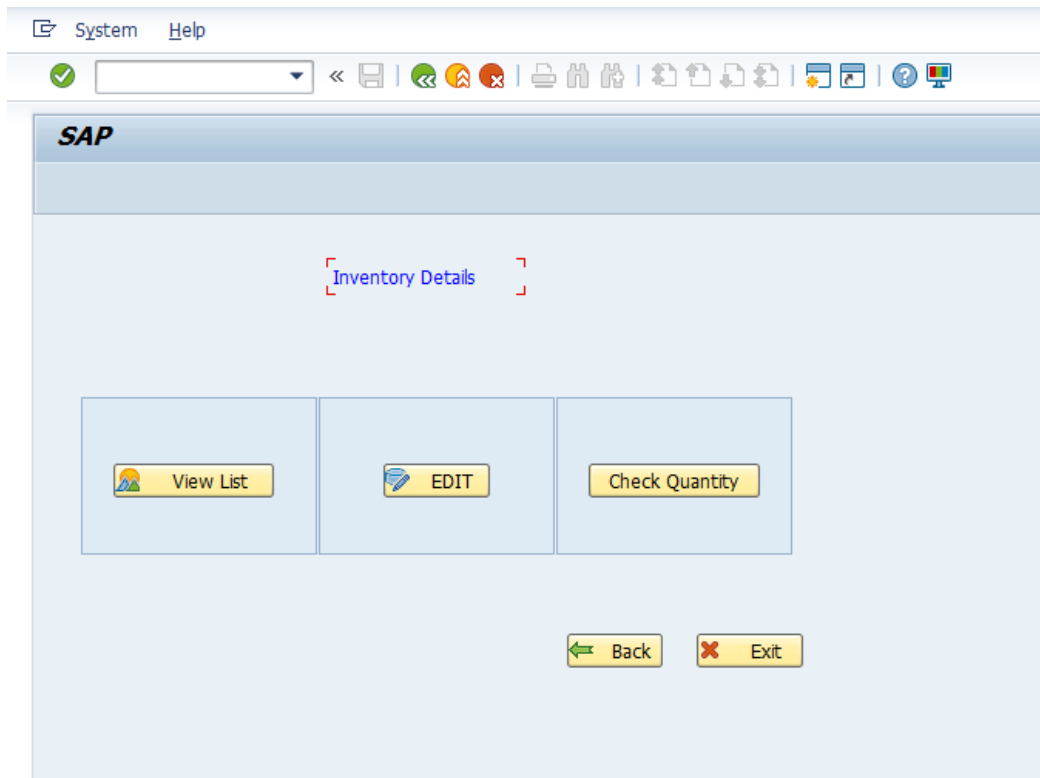
Sales report which shows the total amount the restaurant got from different customers on different days.

	List		Edit		Goto		Views		Settings		System		Help
	<input type="text"/>												
Program ZSALDAT17													
Serial Num...	Customer	Date	Σ	Amount	Currency								
3	RAHUL	11/02/2...		54,70	USD								
		11/02/...		54,70									
1	VIVEK	11/03/2...		43,20	USD								
2	KENNY			32,50	USD								
		11/03/...		75,70									
12	JING	11/19/2...		12,43	USD								
13	NICK			34,87	USD								
		11/19/...		47,30									
4	RICHARD	11/20/2...		28,30	USD								
11	NIEL			45,89	USD								
14	HARI			34,90	USD								
16	DAVID			45,23	USD								
		11/20/...		154,32									
5	ANDREW	11/21/2...		23,94	USD								
6	JOHN			9,20	USD								
10	PHANI			23,67	USD								
15	MORRIS			56,89	USD								
		11/21/...		113,70									
7	JAKE	11/22/2...		8,23	USD								
8	NAVYA			45,23	USD								
9	GHOSH			59,18	USD								
		11/22/...		112,64									
				558,36									

This report shows up when the user selects the option of sorting the sales by date in the check sales screen.

	List		Edit		Goto		Views		Settings		System		Help
	<input type="text"/>	<<											
Report ZSALCUS17													
Serial Num...	Customer	Sale type	Date	Σ	Amount	Currency							
2	KENNY	DELIVERY	11/03/2...		32,50	USD							
5	ANDREW		11/21/2...		23,94	USD							
10	PHANI		11/21/2...		23,67	USD							
12	JING		11/19/2...		12,43	USD							
13	NICK		11/19/2...		34,87	USD							
		DELIVERY			127,41								
1	VIVEK	DINE IN	11/03/2...		43,20	USD							
4	RICHARD		11/20/2...		28,30	USD							
6	JOHN		11/21/2...		9,20	USD							
8	NAVYA		11/22/2...		45,23	USD							
9	GHOSH		11/22/2...		59,18	USD							
15	MORRIS		11/21/2...		56,89	USD							
		DINE IN			242,00								
3	RAHUL	TAKE OUT	11/02/2...		54,70	USD							
7	JAKE		11/22/2...		8,23	USD							
11	NIEL		11/20/2...		45,89	USD							
14	HARI		11/20/2...		34,90	USD							
16	DAVID		11/20/2...		45,23	USD							
		TAKE OUT			188,95								
					558,36								

This report is generated up on clicking 'sort by sales type'. This shows how much the restaurant earned by different sales types.



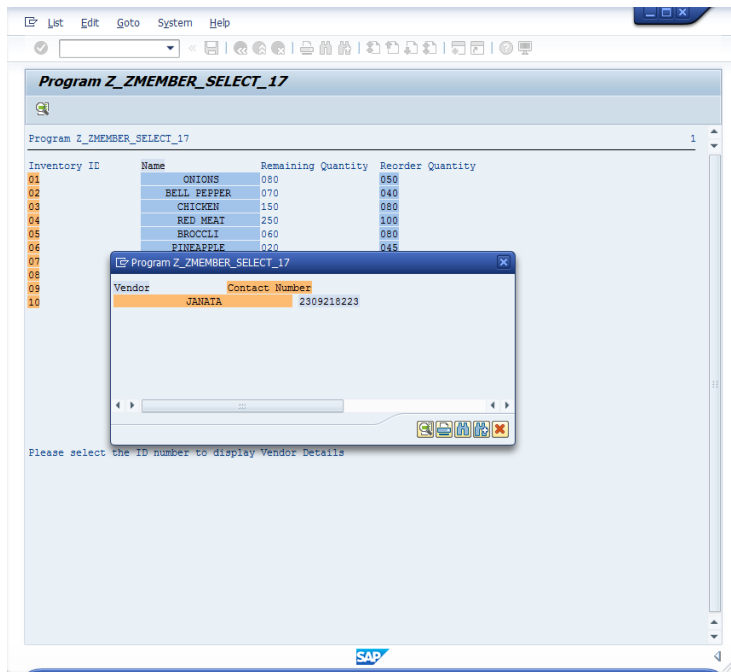
This screen is displayed when the user/manager selects the 'View Inventory' button in his home screen.

The screenshot shows the SAP report 'Program Z_ZMEMBER_SELECT_17'. The report displays a table with the following data:

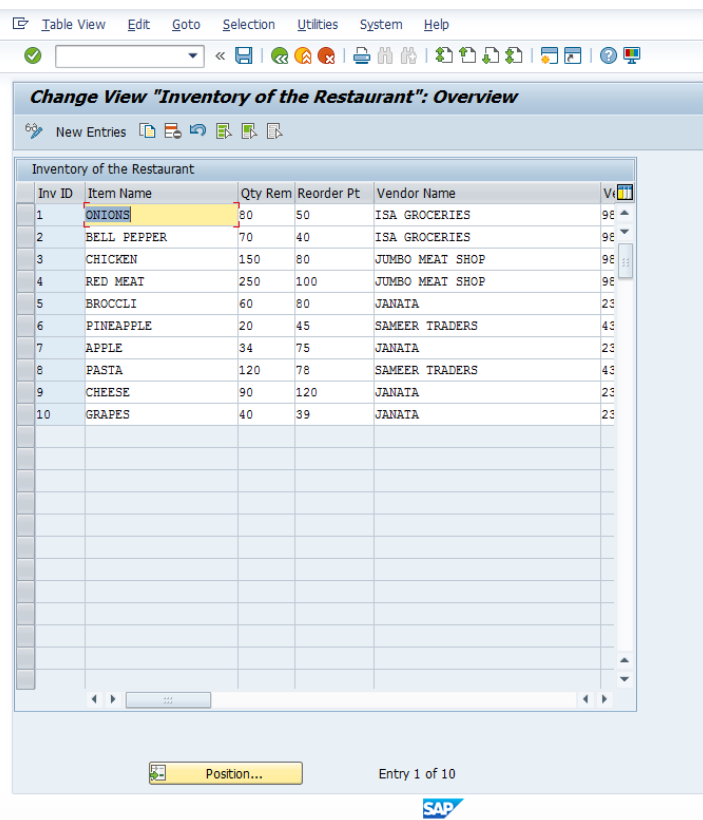
Inventory ID	Name	Remaining Quantity	Reorder Quantity
01	ONIONS	080	050
02	BELL PEPPER	070	040
03	CHICKEN	150	080
04	RED MEAT	250	100
05	BROCCLI	060	080
06	PINEAPPLE	020	045
07	APPLE	034	075
08	PASTA	120	078
09	CHEESE	090	120
10	GRAPES	040	039

Below the table, there is a message: 'Please select the ID number to display Vendor Details'.

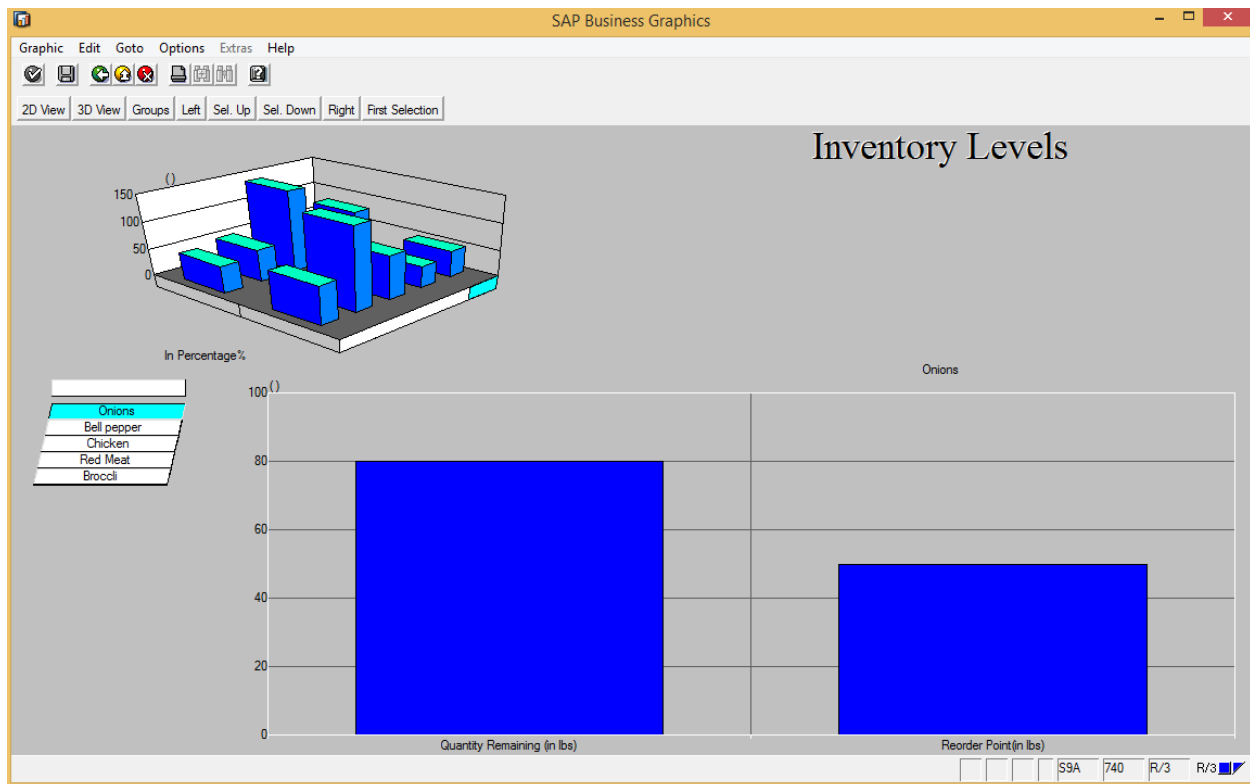
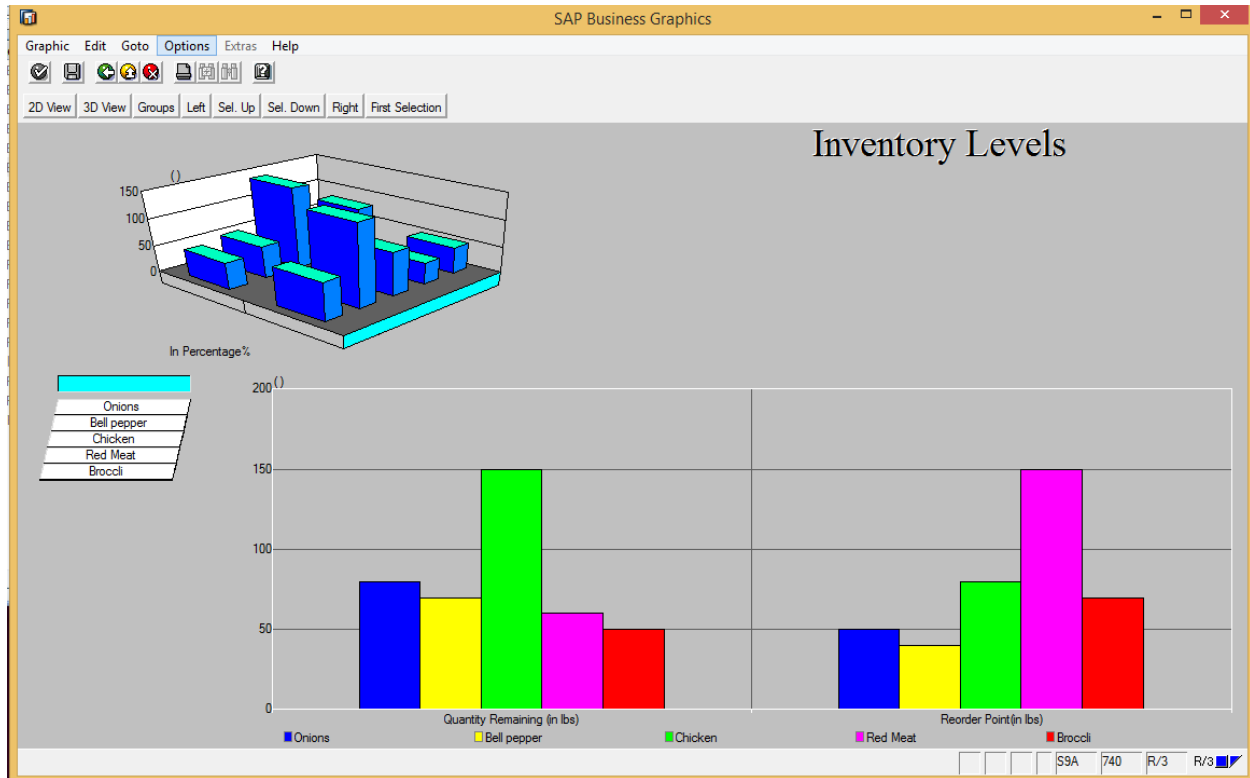
This report is generated upon clicking 'view list' in above screen.

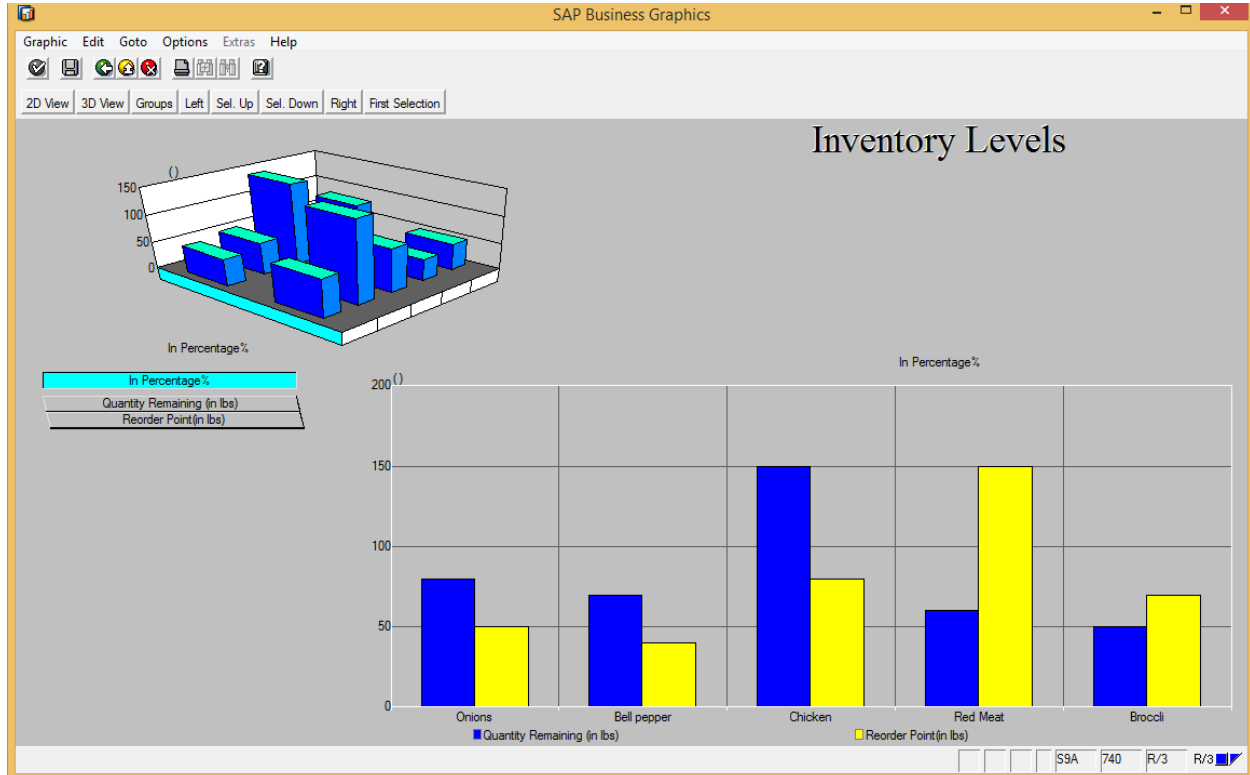
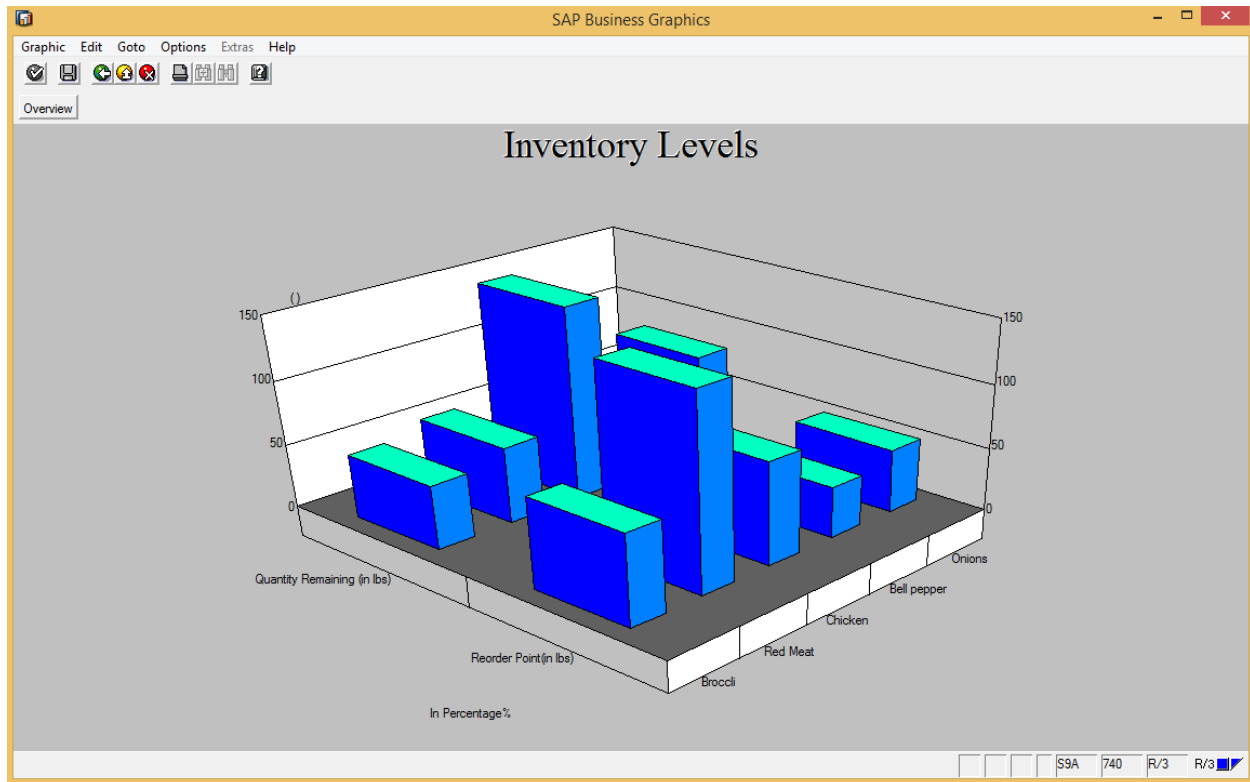


Vendor Name and Contact number are displayed upon selecting the Inventory ID.



Inventory Edit screen can be seen upon selecting 'edit' in the inventory screen. The process of editing is similar to menu and employee editing screens.

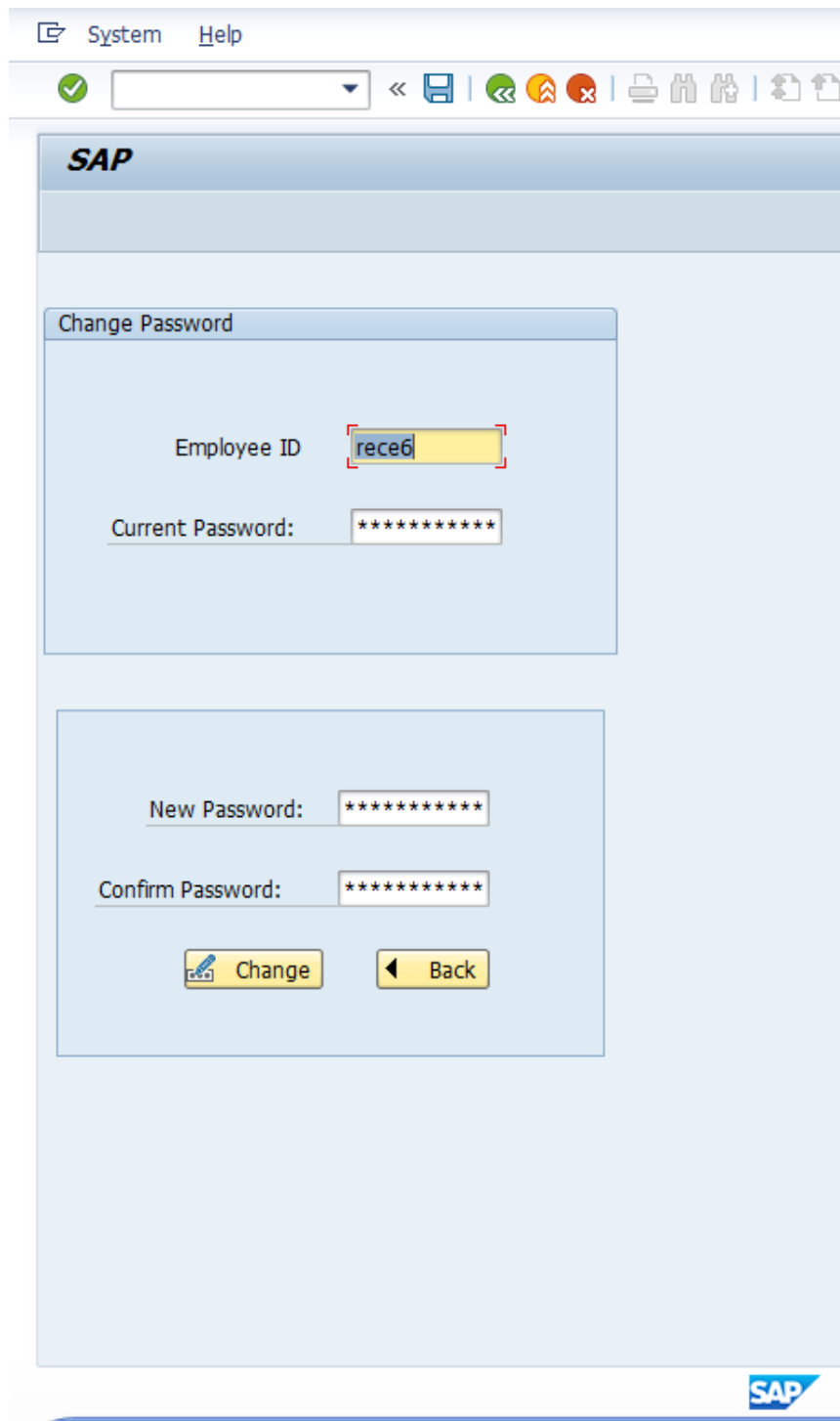






Manager will be able to see the above graphs when he clicks on 'check quantity'. These graphs can be used to illustrate things like quantity remaining and reorder quantity.

Change Password:



The image shows a screenshot of the SAP 'Change Password' screen. At the top, there is a navigation bar with 'System' and 'Help' links. Below this is a toolbar with various icons including a green checkmark, a dropdown menu, and several standard SAP function icons. The main content area is titled 'SAP' and contains a 'Change Password' section. This section has two input fields: 'Employee ID' with the value 'rece6' and 'Current Password' with a masked password '*****'. Below these are two more input fields: 'New Password' and 'Confirm Password', both with masked passwords '*****'. At the bottom of the section are two buttons: 'Change' (with a pencil icon) and 'Back' (with a left arrow icon). The SAP logo is visible in the bottom right corner of the screen.

System Help

Change Password

Employee ID: rece6

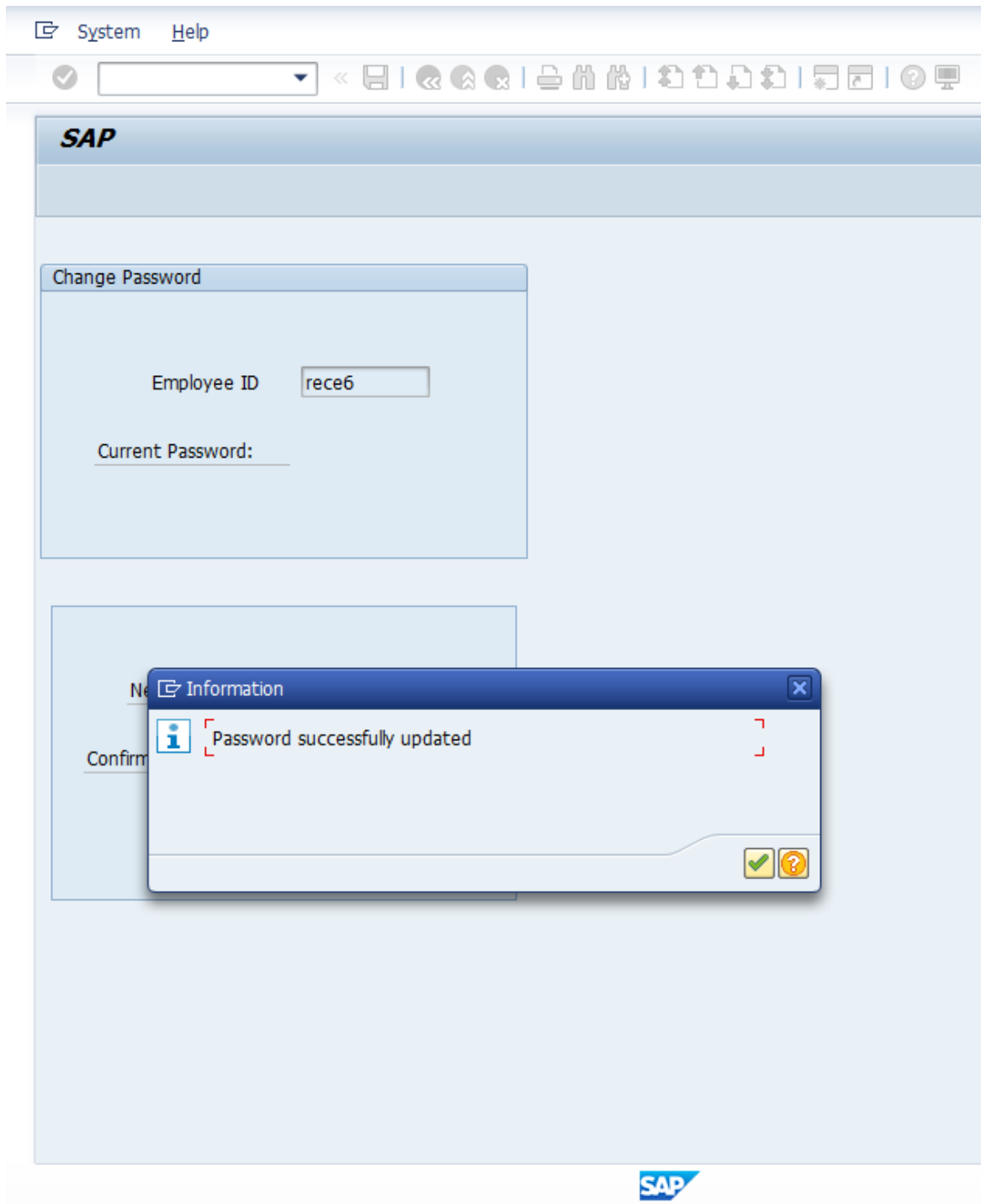
Current Password: *****

New Password: *****

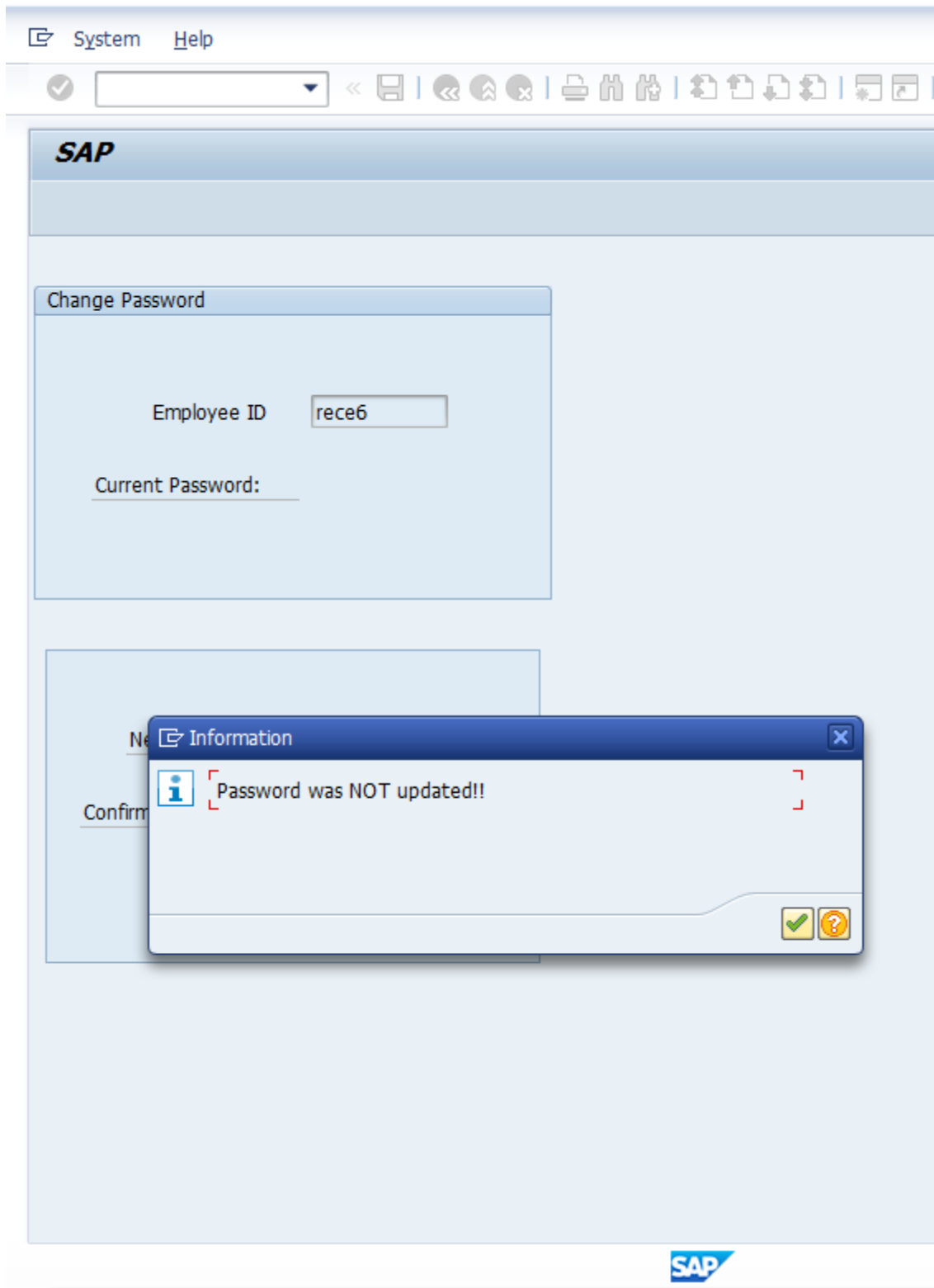
Confirm Password: *****

Change Back

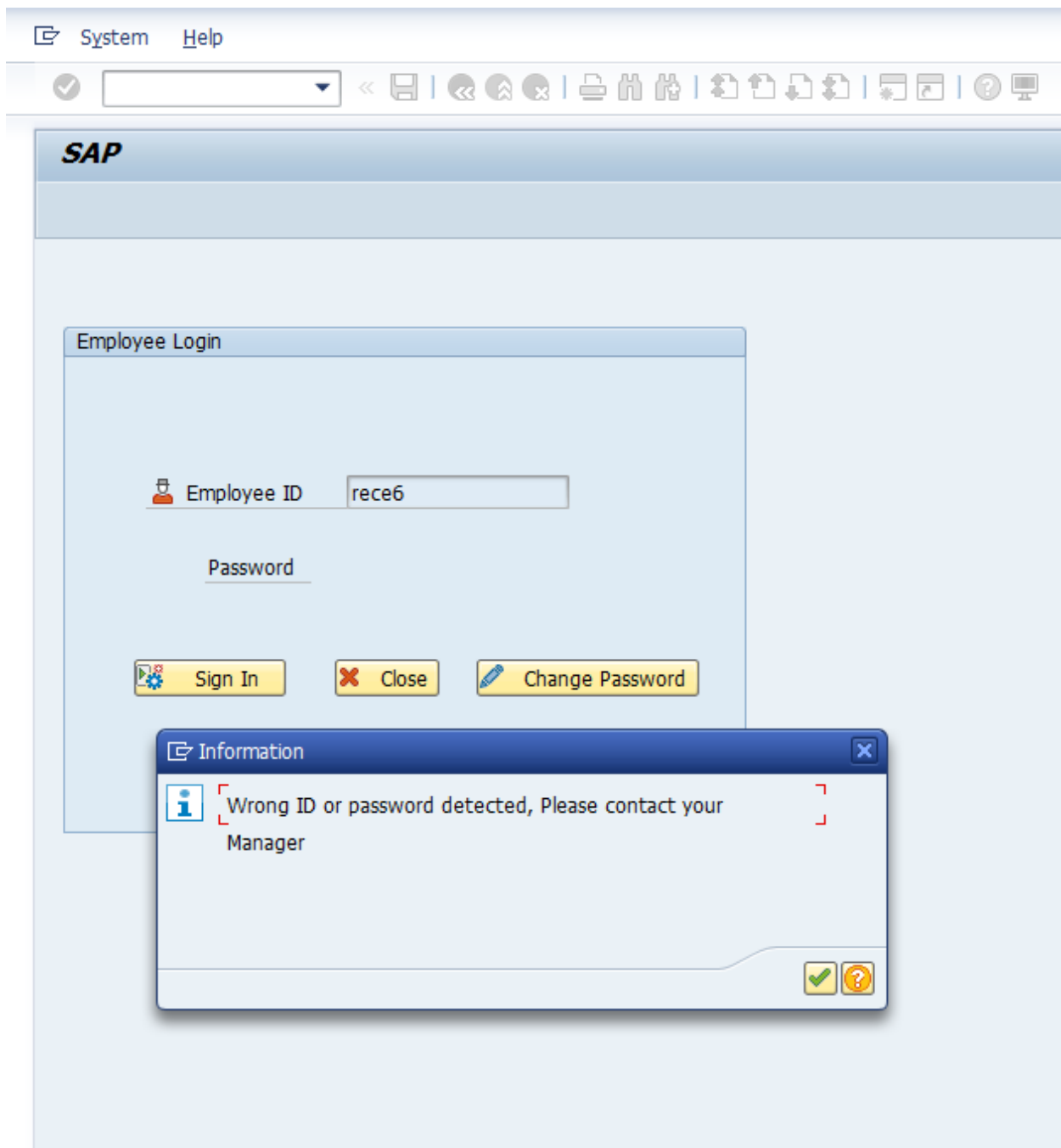
User will be redirected to this screen upon clicking 'change Password' in the initial login screen. User is expected to provide his employeeid, current password and his choice of new password. Everything must be entered correctly.



This dialogue shows up when the password gets changed upon checking the correct details entered by the user.



This screen is displayed when any of the details entered does not match the criteria.



User must enter the correct id and password, if he/she is not able to enter correct details, then this dialogue box shows up preventing the user to access the system.

Code:**PBO MODULE:**

```

*&-----*
*&  Include          ZRESTRO17_001
*&-----*
*&-----*
*&      Module  STATUS_0100  OUTPUT
*&-----*
*      text
*-----*
MODULE status_0100 OUTPUT.
    SET PF-STATUS '0100'.
    SET TITLEBAR 'Login Screen'.
    DATA time TYPE t.
    DATA date TYPE d.
    date = sy-datum.
    time = sy-uzeit.

ENDMODULE.          " STATUS_0100  OUTPUT
*&-----*
*&      Module  STATUS_0001  OUTPUT
*&-----*
*      text
*-----*
MODULE status_0001 OUTPUT.

    SET PF-STATUS '0001'.
    SET TITLEBAR 'Welcome Screen'.
    DATA: W_LINES TYPE I.
    TYPES PICT_LINE(256) TYPE C.
    DATA :
    CONTAINER TYPE REF TO CL_GUI_CUSTOM_CONTAINER,
    EDITOR TYPE REF TO CL_GUI_TEXTEDIT,
    PICTURE TYPE REF TO CL_GUI_PICTURE,
    PICT_TAB TYPE TABLE OF PICT_LINE,
    URL(255) TYPE C.
    DATA: GRAPHIC_URL(255).
    DATA: BEGIN OF GRAPHIC_TABLE OCCURS 0,
            LINE(255) TYPE X,
        END OF GRAPHIC_TABLE.
    DATA: L_GRAPHIC_CONV TYPE I.
    DATA: L_GRAPHIC_OFFS TYPE I.
    DATA: GRAPHIC_SIZE TYPE I.
    DATA: L_GRAPHIC_XSTR TYPE XSTRING.
    .
    CALL METHOD CL_GUI_CFW=>FLUSH.
    CREATE OBJECT:
    CONTAINER EXPORTING CONTAINER_NAME = 'PICTURE_CONTROL',
    PICTURE EXPORTING PARENT = CONTAINER.

```

[illegible]

```

*&      Module  STATUS_0101  OUTPUT
*&-----*
*      text
*-----*
MODULE status_0101 OUTPUT.
  SET PF-STATUS '0101'.
  SET TITLEBAR 'Change Password'.

ENDMODULE.              " STATUS_0101  OUTPUT
*&-----*
*&      Module  STATUS_0120  OUTPUT
*&-----*
*      text
*-----*
MODULE status_0120 OUTPUT.
  SET PF-STATUS '0120'.
  SET TITLEBAR 'Waiter Screen'.

ENDMODULE.              " STATUS_0120  OUTPUT
*&-----*
*&      Module  STATUS_0130  OUTPUT
*&-----*
*      text
*-----*
MODULE status_0130 OUTPUT.

  SET PF-STATUS '0130'.
  SET TITLEBAR 'Manager screen'.

ENDMODULE.              " STATUS_0130  OUTPUT
*&-----*
*&      Module  STATUS_0140  OUTPUT
*&-----*
*      text
*-----*
MODULE status_0140 OUTPUT.
  SET PF-STATUS '0140'.
  SET TITLEBAR 'Admin Screen'.

ENDMODULE.              " STATUS_0140  OUTPUT
*&-----*
*&      Module  STATUS_0111  OUTPUT
*&-----*
*      text
*-----*
MODULE status_0111 OUTPUT.
  SET PF-STATUS '0111'.
  SET TITLEBAR 'Dine In Reservation Screen'.

ENDMODULE.              " STATUS_0111  OUTPUT
*&-----*
*&      Module  STATUS_0112  OUTPUT
*&-----*

```



```

*          text
*-----*
MODULE status_0112 OUTPUT.
  SET PF-STATUS '0112'.
  SET TITLEBAR 'Delivery Registration'.

ENDMODULE.                " STATUS_0112  OUTPUT
*&-----*
*&      Module  STATUS_0113  OUTPUT
*&-----*
*          text
*-----*
MODULE status_0113 OUTPUT.
  SET PF-STATUS '0113'.
  SET TITLEBAR 'takeout screen'.

ENDMODULE.                " STATUS_0113  OUTPUT
*&-----*
*&      Module  STATUS_0131  OUTPUT
*&-----*
*          text
*-----*
MODULE status_0131 OUTPUT.
  SET PF-STATUS '0131'.
  SET TITLEBAR 'Menu screen for manager'.

ENDMODULE.                " STATUS_0131  OUTPUT
*&-----*
*&      Module  STATUS_0134  OUTPUT
*&-----*
*          text
*-----*
MODULE status_0134 OUTPUT.

SET PF-STATUS '0134'.
SET TITLEBAR 'Sales screen for manager'.

ENDMODULE.                " STATUS_0134  OUTPUT
*&-----*
*&      Module  STATUS_0114  OUTPUT
*&-----*
*          text
*-----*
MODULE status_0114 OUTPUT.
SET PF-STATUS '0114'.
SET TITLEBAR 'Payment'.

ENDMODULE.                " STATUS_0114  OUTPUT

MODULE countdown_timer OUTPUT.
*PERFORM timer.

```

ENDMODULE.

```

*&-----*
*&      Module  STATUS_0132  OUTPUT
*&-----*
*      text
*-----*
MODULE status_0132 OUTPUT.
SET PF-STATUS '0132'.
SET TITLEBAR 'Inventory Manipulation screen'.

ENDMODULE.

```

PAI MODULE:

```

*&-----*
*&  Include      ZRESTRO17_I01
*&-----*
*&-----*
*&      Module  USER_COMMAND_0100  INPUT
*&-----*
*      text
*-----*
MODULE user_command_0100 INPUT.
    ok_code1 = sy-ucomm.
    CASE ok_code1.
        WHEN 'SIGNIN'.
            PERFORM check_login_details.
        WHEN 'CHPWD' .
            CALL SCREEN '0101'.
        WHEN 'CLOSE'.
            LEAVE TO SCREEN '0001'.
        WHEN 'BACK'.
            LEAVE TO SCREEN '0001'.
    ENDCASE.

ENDMODULE.
                                " USER_COMMAND_0100  INPUT
*&-----*
*&      Module  USER_COMMAND_0001  INPUT
*&-----*
*      text
*-----*
MODULE user_command_0001 INPUT.

    ok_code = sy-ucomm.

```



```

*&-----*
*&      Module  USER_COMMAND_0112  INPUT
*&-----*
*      text
*-----*
MODULE user_command_0112 INPUT.
  ok_code = sy-ucomm.
  CASE ok_code.
    WHEN 'CONFIRM'.
      MESSAGE 'Order Confirmed, you will be taken to payment page.' TYPE 'I'.
    WHEN 'BACK'.
      LEAVE TO SCREEN '0110'.
    WHEN 'EXIT'.
      LEAVE TO SCREEN '0110'.
    WHEN OTHERS.
  ENDCASE.
ENDMODULE.                  " USER_COMMAND_0112  INPUT
*&-----*
*&      Module  USER_COMMAND_0113  INPUT
*&-----*
*      text
*-----*
MODULE user_command_0113 INPUT.
  ok_code = sy-ucomm.
  CASE ok_code.
    WHEN 'CONFIRM_ORDER'.
      LEAVE TO SCREEN '0114'.
    WHEN 'BACK'.
      LEAVE TO SCREEN '0110'.
    WHEN 'EXIT'.
      LEAVE TO SCREEN '0100'.
    WHEN OTHERS.
  ENDCASE.
ENDMODULE.                  " USER_COMMAND_0113  INPUT
*&-----*
*&      Module  USER_COMMAND_0131  INPUT
*&-----*
*      text
*-----*
MODULE user_command_0131 INPUT.
  ok_code = sy-ucomm.
  CASE ok_code.
    WHEN 'EDITMENU'.
      PERFORM edit_menu.
    WHEN 'BACK'.
      LEAVE TO SCREEN '0130'.
    WHEN 'EXIT'.
      LEAVE TO SCREEN '0100'.
    WHEN OTHERS.
  ENDCASE.
ENDMODULE.                  " USER COMMAND 0131  INPUT

```

```

*&-----*
*&      Module  USER_COMMAND_0133  INPUT
*&-----*
*      text
*-----*
MODULE user_command_0133 INPUT.
    ok_code = sy-ucomm.

    CASE ok_code.
        WHEN 'EDIT'.
            CALL TRANSACTION 'ZLIST17'.
        WHEN 'BACK'.
            LEAVE TO SCREEN '0130'.
        WHEN 'EXIT'.
            LEAVE TO SCREEN '0100'.
    ENDCASE.
ENDMODULE.                  " USER_COMMAND_0133  INPUT
*&-----*
*&      Module  USER_COMMAND_0140  INPUT
*&-----*
*      text
*-----*
MODULE user_command_0140 INPUT.
    ok_codel = sy-ucomm.

    CASE ok_codel.
        WHEN 'ADDUP'.
            PERFORM insert_user_details.
        WHEN 'BACK'.
            LEAVE TO SCREEN '0100'.
        WHEN 'CANCEL'.
            LEAVE PROGRAM.
        WHEN 'RESETPWD'.
            CALL TRANSACTION 'ZPRESET17'.
        WHEN OTHERS.
    ENDCASE.
ENDMODULE.                  " USER_COMMAND_0140  INPUT
*&-----*
*&      Module  USER_COMMAND_0134  INPUT
*&-----*
*      text
*-----*
MODULE user_command_0134 INPUT.
    ok_code = sy-ucomm.

    CASE ok_code.
        WHEN 'SBD'.
            SUBMIT zsaldat17 AND RETURN.
        WHEN 'SBST'.
            SUBMIT zsalcus17 AND RETURN.
        WHEN 'BACK'.
            LEAVE TO SCREEN '0130'.
        WHEN 'EXIT'.

```


Subroutines

```

*&-----*
*&  Include          ZRESTRO17_F01
*&-----*
*&-----*
*&          Form  CHECK_LOGIN_DETAILS
*&-----*
*          text
*-----*
*  -->  p1          text
*  <--  p2          text
*-----*
FORM check_login_details .
*  TRANSLATE: employeeid TO UPPER CASE.
**          pwd TO LOWER CASE.
DATA : record_count TYPE i.

SELECT COUNT(*)
FROM zemployee17
INTO record_count
WHERE empid = employeeid
AND password = pwd.

IF sy-subrc = 0.
  IF ok_codel = 'SIGNIN'.
    IF pwd = 'PASS'.
      MESSAGE 'You have logged in with the same password provided initially
, Do you want to change? Please select Change Password' TYPE 'I'.
      IF employeeid = 'MANAG1'.
        CALL SCREEN '0130'.
      ELSEIF employeeid = 'ADMIN'.
        CALL SCREEN '0140'.
      ELSE.
        CALL SCREEN '0110'.
      ENDIF.
    ELSE.
      IF employeeid = 'MANAG1'.
        CALL SCREEN '0130'.
      ELSEIF employeeid = 'ADMIN'.
        CALL SCREEN '0140'.
      ELSE.
        CALL SCREEN '0110'.
      ENDIF.
    ENDIF.
  ELSE.
    MESSAGE 'Wrong ID or password detected, Please contact your Manager' TYPE
'I'.
  ENDIF.
ENDIF.

```



```

ENDFORM.                                " CHECK_LOGIN_DETAILS
*&-----*
*&      Form  CHANGE_PASSWORD
*&-----*
*      text
*-----*
*  -->  p1      text
*  <--  p2      text
*-----*
FORM change_password .

DATA : record_count TYPE i.

SELECT COUNT(*)
FROM zemployee17
INTO record_count
WHERE empid = employeeid
AND password = current_password.

IF new_password = confirm_password.
    UPDATE zemployee17
    SET password = new_password
    WHERE empid = employeeid AND password = current_password.

    IF sy-subrc = 0.
        MESSAGE 'Password successfully updated' TYPE 'I'.
    ELSE.
        MESSAGE 'Password was NOT updated!!' TYPE 'I'.
    ENDIF.
ELSE.
    MESSAGE 'Current Password is incorrect!' TYPE 'I'.
ENDIF.
ENDFORM.                                " CHANGE_PASSWORD

*&-----*
*&      Form  INSERT_USER_DETAILS
*&-----*
*      text
*-----*
*  -->  p1      text
*  <--  p2      text
*-----*
FORM insert_user_details .

TYPES: BEGIN OF ty_zemployee17,
        client    TYPE zemployee17-client,
        empid     TYPE zemployee17-empid,
        password  TYPE zemployee17-password,
      END OF ty_zemployee17.

```

```

TYPES: BEGIN OF ty_zemplist17,
        client      TYPE zemplist17-client,
        empid       TYPE zemplist17-empid,
        lname       TYPE zemplist17-lname,
        fname       TYPE zemplist17-fname,
        mi          TYPE zemplist17-mi,
        contactnumber TYPE zemplist17-contactnumber,
        address      TYPE zemplist17-address,
        hire_date    TYPE zemplist17-hire_date,
        gender       TYPE zemplist17-gender,
        dob          TYPE zemplist17-dob,
    END OF ty_zemplist17.

DATA : wa_login      TYPE zemployee17,
        wa_user_details TYPE zemplist17.

wa_login-empid = zemplist17-empid.
wa_login-password = 'PASS'.

wa_user_details-empid = zemplist17-empid.
wa_user_details-lname = zemplist17-lname.
wa_user_details-fname = zemplist17-fname.
wa_user_details-mi = zemplist17-mi.
wa_user_details-gender = zemplist17-gender.
wa_user_details-dob = zemplist17-dob.
wa_user_details-contactnumber = zemplist17-contactnumber.
wa_user_details-address = zemplist17-address.
wa_user_details-hire_date = zemplist17-hire_date.

INSERT zemplist17 FROM wa_user_details.
IF sy-subrc = 0.
    MESSAGE 'Record successfully inserted into system' TYPE 'I'.
    INSERT zemployee17 FROM wa_login.
    IF sy-subrc = 0.
        MESSAGE 'Employee ID generated' TYPE 'I'.
    ELSE.
        MESSAGE 'Error encountered!' TYPE 'I'.
    ENDIF.
ELSE.
    MESSAGE 'Error encountered while inserting into the system!' TYPE 'I'.
ENDIF.
ENDFORM.          " INSERT_USER_DETAILS

*&-----*
*&      Form  INSERT_USER_DETAILS
*&-----*
*      text
*-----*
*  -->  p1      text
*  <--  p2      text

```

```

*-----*
*&-----*
*&      Form  CREATE_COLUMN_HEADINGS
*&-----*
*      text
*-----*
* --> p1      text
* <-- p2      text
*-----*
FORM create_column_headings .

    WRITE: / 'Member Number',
            20 'Member Name' COLOR = 2,
            40 'Date of Birth',
            60 'Gender',
            80 'Fee',
            100 'Currency'.

ENDFORM.                  " CREATE_COLUMN_HEADINGS

*-----*
*&-----*
*&      Form  DISPLAY_EMPLIST
*&-----*
*      text
*-----*
* --> p1      text
* <-- p2      text
*-----*
FORM display_emplist .
    CALL TRANSACTION 'ZLIST17'.
ENDFORM.                  " DISPLAY_EMPLIST

*-----*
*&-----*
*&      Form  EDIT_MENU
*&-----*
*      text
*-----*
* --> p1      text
* <-- p2      text
*-----*
FORM edit_menu .
    CALL TRANSACTION 'ZMENU17'.
ENDFORM.                  " EDIT_MENU

*-----*
*&-----*
*&      Form  INVEDIT
*&-----*
*      text

```

```

*-----*
* --> p1      text
* <-- p2      text
*-----*
FORM invedit .
  call TRANSACTION 'ZINVEDITS17'.
ENDFORM.                " INVEDIT

```

TOP MODULE:

```

*&-----*
*& Include ZRESTRO17_TOP                                Module Pool
  ZRESTRO17
*&
*&-----*

PROGRAM zrestro17.
TABLES : zemplist17,zsales17.

DATA: ok_code          TYPE sy-ucomm,
      ok_code2         TYPE sy-ucomm,
      ok_code1         TYPE sy-ucomm,
      ok_code3         TYPE sy-ucomm,
      ok_code4         TYPE sy-ucomm,
      ok_code5         TYPE sy-ucomm,
      major            TYPE zmajor00-major,
      employeeid       TYPE c LENGTH 8,
      pwd              TYPE c LENGTH 8,
      current_password TYPE c LENGTH 6,
      new_password     TYPE c LENGTH 6,
      confirm_password TYPE c LENGTH 6,
      wa_zrmsmenu17    TYPE zrmsmenu17.

```