



# **System Administrator Helper Tool**

ITI Bash Script by Instructor  
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***Bash Project Create by  
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**Project make some feature in menu using whiptail Features  
by using whiptail in bash script make menu and the change  
affect in real system .**

# Contents List

1. Add New User .
2. Delete User .
  - Keep their home directory
  - Remove their home directory .
3. Disable User Account.
4. Enable User Account.
5. Modify User Account.
  - Change User Password .
  - Change Home Directory .
  - Change User Group .
  - Change User permission (umask).
  - Change User ID.
  - Change Account Expiry Information.
    - Display The Account Information .
    - Forced to Change you Password .
    - Change Expire Date .
    - Change Max Date after 90 Day
    - Change Inactive Time after 5 Day
6. list all group that have users .
7. list all Standard Users .
8. Add New Group .
9. Delete Group.
10. Modify Group .
  - Change Group Name.
  - Change Groupid.
  - Add User For Group
  - Remove User From Group.
11. Exit from App.

# Menu Page

Choose What Do you want

System Admin Helper

- 1) Add New User
- 2) Delete User
- 3) Disable User Account.
- 4) Enable User Account.
- 5) Modify User Account.
- 6) list all group that have users
- 7) list all Standard Users
- 8) Add New Group
- 9) Delete Group
- 10) Modify Group
- 11) Exit from App

<Ok> <Cancel>

## 1. Add New User .

Create New User

Enter Username For Create it

soliman

<Ok> <Cancel>

SET USERID

Enter User ID >= 1000

2455

<Ok> <Cancel>

New User

The soliman is create in the system  
soliman:x:2455:2455::/home/soliman:/bin/bash

<Ok>

SET PASSWORD

Choose a strong password

\*\*\*

<Ok> <Cancel>

## Source code : Create User

```
##### for create new user #####
function adduser(){
#check user exists or not
getent passwd $1 > /dev/null 2>&1
if [ $? -eq 0 ]; then
    if (whiptail --title "Try Again" --yesno "The $1 is exists in the system , please try again...." 8 78 ); then
        adduser
    fi
else
    USERID=$(whiptail --title "SET USERID" --inputbox "Enter User ID >= 1000" 8 40 3>&1 1>&2 2>&3)
    if [ $? -eq 0 ]; then
#for check that userid is empty
        if [ -z $USERID ];then
            useradd $1
            whiptail --title "New User" --msgbox "The $1 is create in the system \n$(tail -1 /etc/passwd | grep $1 )" 8 78
        else
            useradd --uid $(echo $USERID) $1
            whiptail --title "New User" --msgbox "The $1 is create in the system \n$(tail -1 /etc/passwd | grep $1 )" 8 78
        fi
    fi
fi
}

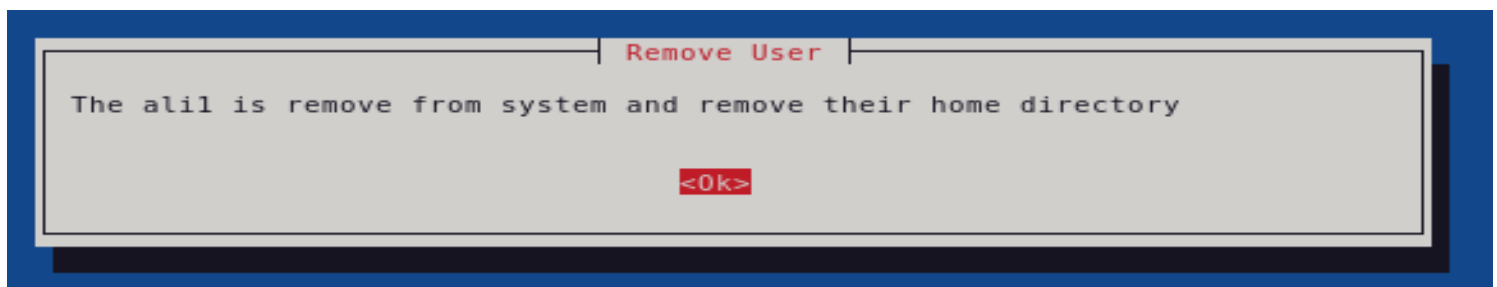
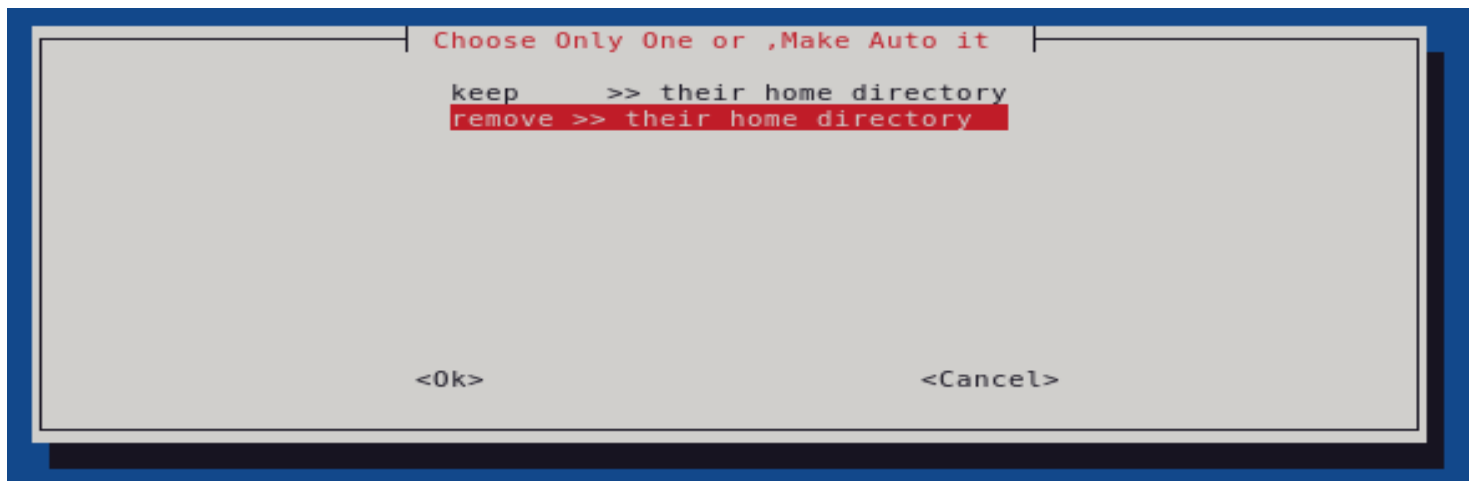
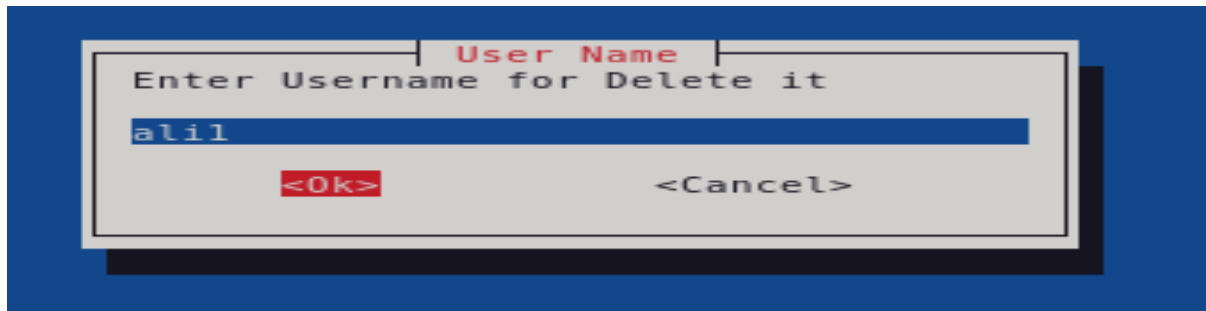
##### function set passwd #####
function set_passwd(){
    PASSWORD=$(whiptail --title "SET PASSWORD" --passwordbox "Choose a strong password" 8 78 3>&1 1>&2 2>&3)
    if [ $? -eq 0 ]; then
# for check that password is empty
        if [ -z $PASSWORD ];then
            whiptail --title "No data entered" --msgbox "Please, Try again Enter PassWord !!....." 8 78
            set_passwd
        fi
        echo $PASSWORD | passwd --stdin $1 >/dev/null2>&1
# echo $PASSWORD "this is pass for " $1
    fi
}

##### end fun set passwd #####

##### create user #####
function create_user(){
    NEW_USER=$(whiptail --title "Create New User" --inputbox "Enter Username For Create it" 8 40 3>&1 1>&2 2>&3)
    if [ $? -eq 0 ]; then
## for check that input not empty
        if [ -z $NEW_USER ];then
            whiptail --title "No data entered" --msgbox "please try again enter username .... " 8 78
            create_user
        else
            adduser $NEW_USER
            set_passwd $NEW_USER
        fi
    fi
}

#####end create user #####
```

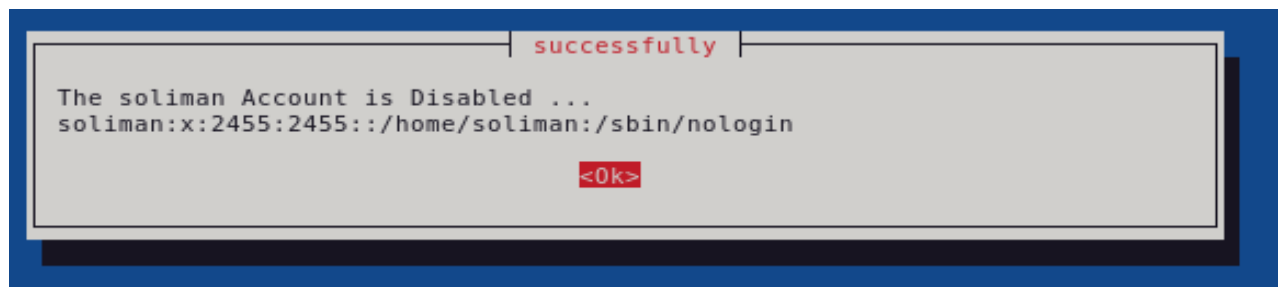
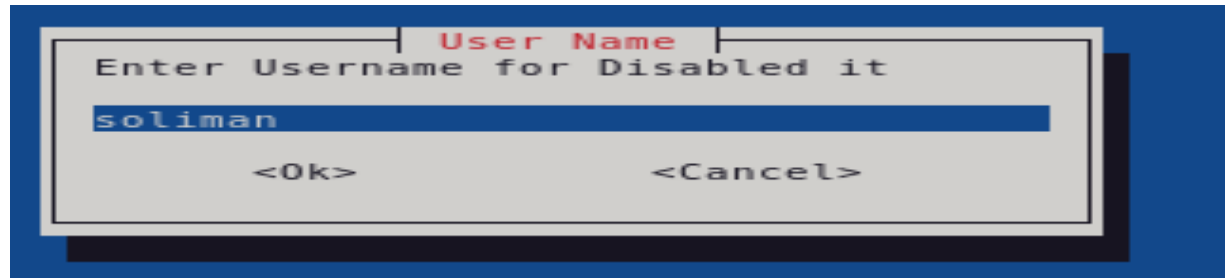
## 2.Delete User .



## Source code : Delete User

```
***** for delete user exist *****
function delete_u(){
#check user exists or not
getent passwd $1 > /dev/null 2>&1
if [ $? -eq 0 ]; then
# keep or remove their home directory.
SELECTED=$(whiptail --title "Choose Only One or ,Make Auto it " --menu "List of choose ..... " 16 80 9 \
"keep" " >> their home directory" \
"remove" ">> their home directory" 3>&1 1>&2 2>&3)
case $SELECTED in
"keep") userdel $1
whiptail --title "Remove User" --msgbox "The $1 is remove from system and keep their home directory" 8 78
;;
"remove") userdel -r $1
whiptail --title "Remove User" --msgbox "The $1 is remove from system and remove their home directory " 8 78
;;
*) userdel -r $1
whiptail --title "Remove User" --msgbox "This is Defualt ....\nthe $1 is removed with their home directory .... " 8 78
;;
esac
else
whiptail --title "unavailable" --msgbox "the $1 does not exist in the system" 8 78
fi)
***** delete user *****
function delete_user(){
remove_user=$(whiptail --title "User Name" --inputbox "Enter Username for Delete it" 8 40 3>&1 1>&2 2>&3)
if [ $? -eq 0 ]; then
## for check that input not empty
if [ -z $remove_user ];then
whiptail --title "No data entered" --msgbox "please try again enter username .... " 8 78
delete_user
else
delete_u $remove_user
fi fi
)
***** end delete user *****
```

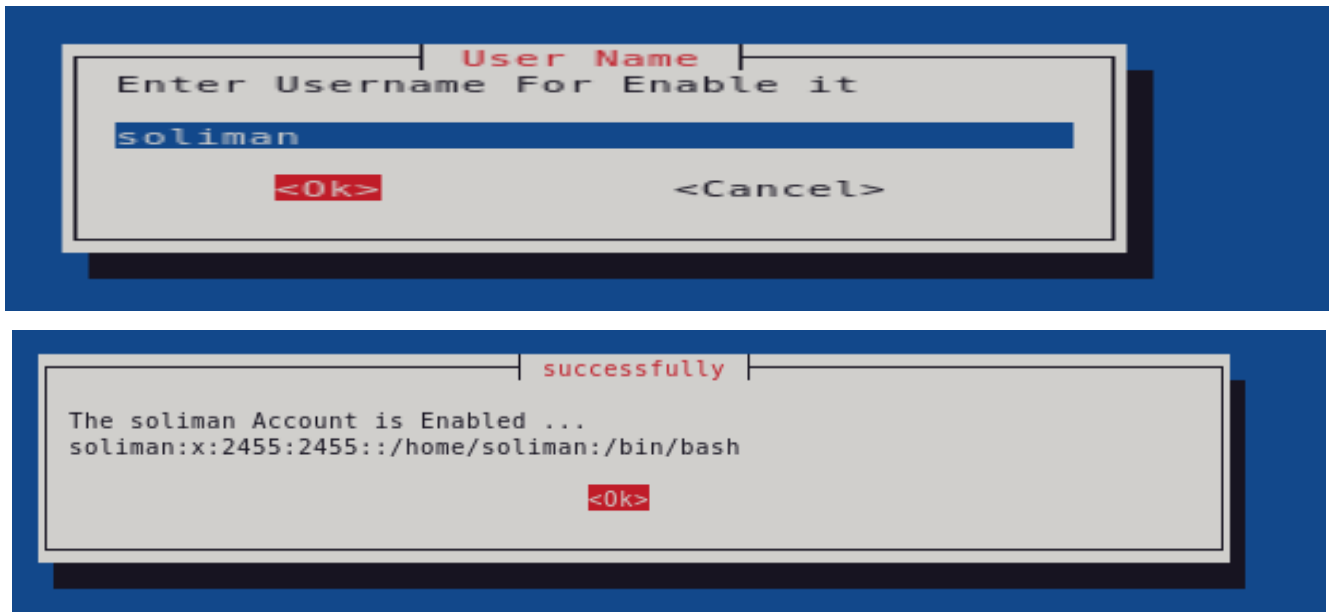
### 3.Disable User Account



### Source code : Disable account

```
##### Disable User Account #####  
  
function disable_user(){  
    DIS_USER=$(whiptail --title "User Name" --inputbox "Enter Username for Disabled it" 8 40 3>&1 1>&2 2>&3)  
    if [ $? -eq 0 ]; then  
        ## for check that input not empty  
        if [ -z $DIS_USER ];then  
            whiptail --title "No data entered" --msgbox "please try again enter username .... " 8 78  
            disable_user  
        else  
            usermod -L -s /sbin/nologin -e 1 $DIS_USER  
            whiptail --title "successfully" --msgbox "The $DIS_USER Account is Disabled ... \n$(tail -1 /etc/passwd | grep $DIS_USER ) " 8 78  
        fi  
    fi  
}  
#####end disable user #####
```

## 4.Enable User Account

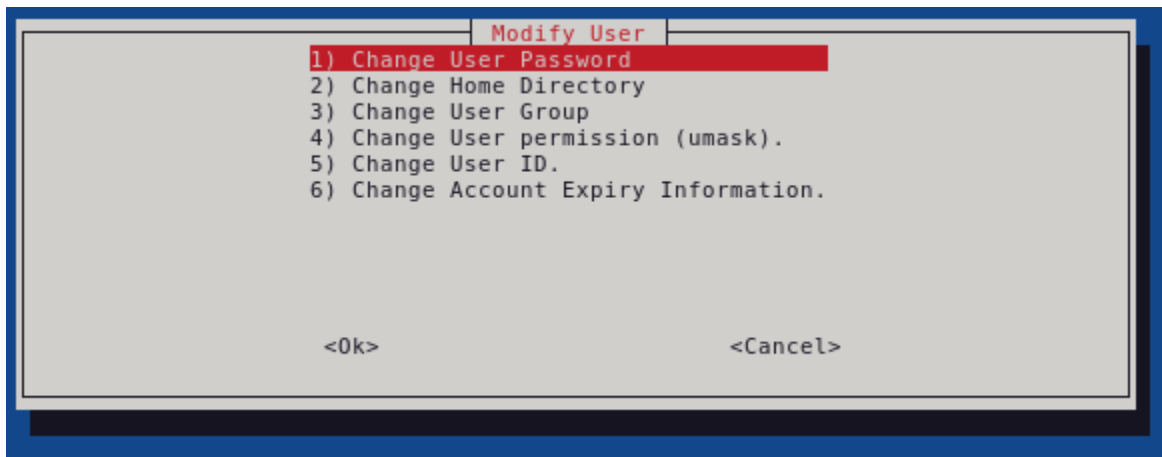
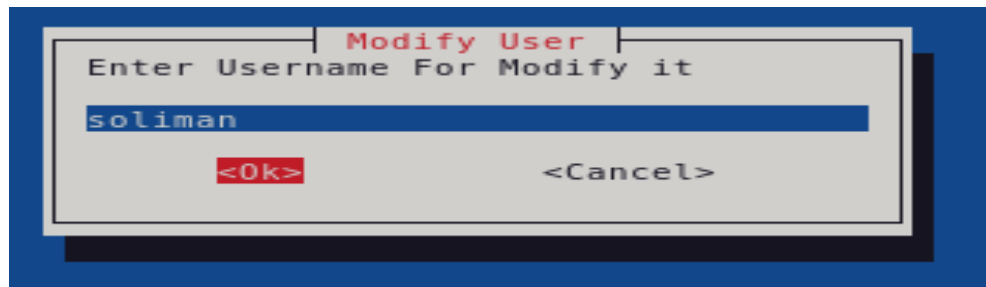


### Source code : Enable account

```
##### enable User Account #####
function enable_user(){
    EN_USER=$(whiptail --title "User Name" --inputbox "Enter Username For Enable it" 8 40 3>61 1>62 2>63)
    if [ $? -eq 0 ]; then
        ## for check that input not empty
        if [ -z $EN_USER ];then
            whiptail --title "No data entered" --msgbox "please try again enter username .... " 8 78
            enable_user
        else
            usermod -U -s /bin/bash -e -1 $EN_USER
            whiptail --title "successfully" --msgbox "The $EN_USER Account is Enabled ... \n$(tail -1 /etc/passwd | grep $EN_USER ) " 8 78
        fi
    fi
}
#####end enable user #####
```



## 5.Modify User Account

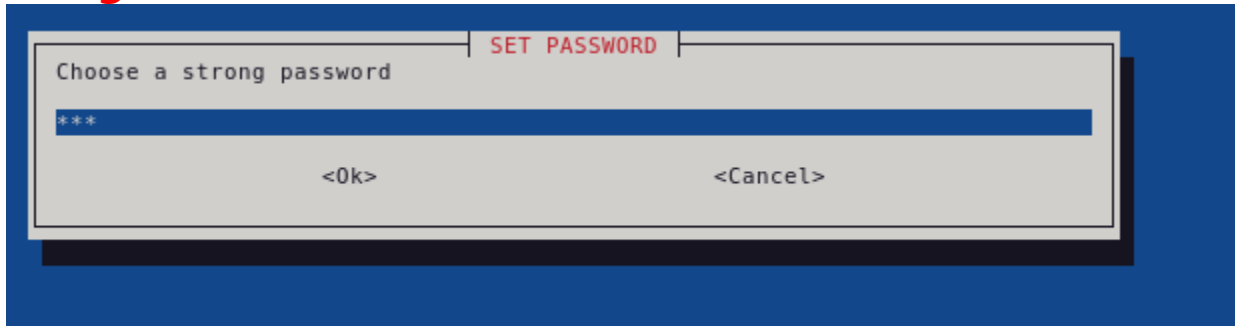


## Source code : Modify User Account

```
##### function for edit user #####
function edit_user(){
    EN_USER=$(whiptail --title "Modify User" --inputbox "Enter Username For Modify it " 8 40 3>41 1>42 2>43)
    if [ $? -eq 0 ]; then
        ## for check that input not empty
        if [ -z $EN_USER ];then
            whiptail --title "No data entered" --msgbox "please try again enter username .... " 8 78
            edit_user
        else
            getent passwd $EN_USER > /dev/null 2>&1
            if [ $? -eq 0 ]; then
                CHOICE=$(whiptail --title "Modify User" --menu "Choose from List...." 15 80 9 \
                    "1)" "Change User Password" \
                    "2)" "Change Home Directory" \
                    "3)" "Change User Group " \
                    "4)" "Change User permission (umask)." \
                    "5)" "Change User ID." \
                    "6)" "Change Account Expiry Information." 3>42 2>41 1>43 )

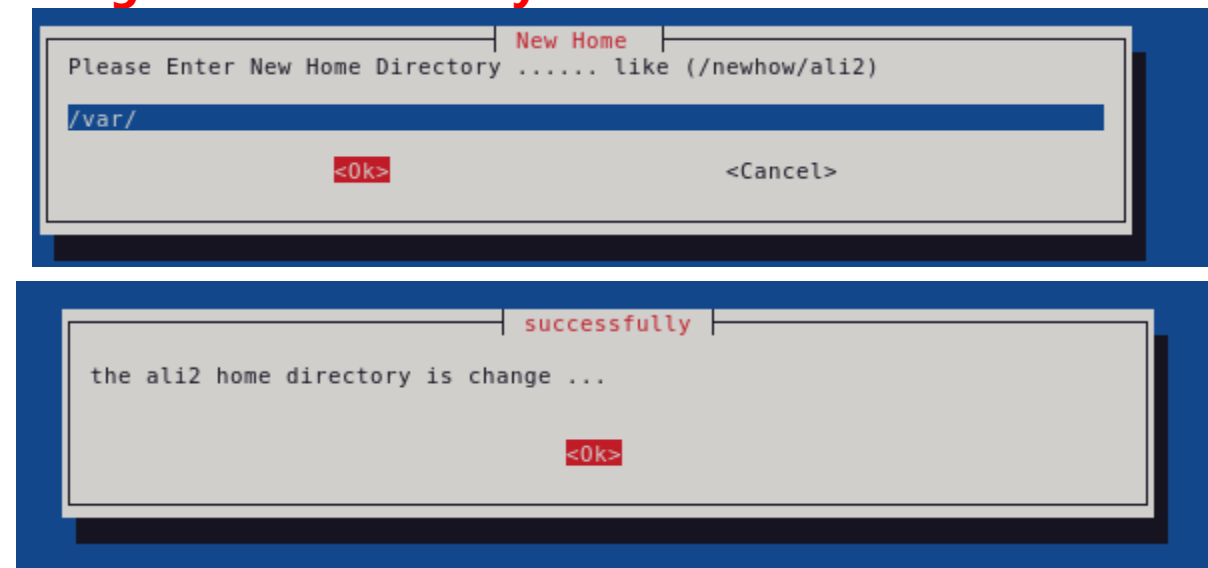
                case $CHOICE in
                    "1)") set_passwd $EN_USER ;;
                    "2)") ch_home $EN_USER ;;
                    "3)") ch_group $EN_USER ;;
                    "4)") ch_umask ch_umask ;;
                    "5)") user_id $EN_USER ;;
                    "6)") u_pass_expiry $EN_USER ;;
                    *) edit_user ;;
                esac
            else
                whiptail --title "unavailable" --msgbox "the $1 does not exist in the system" 8 78
            fi
        fi
    fi
}
```

## 5.1.Change User Password



```
##### function set passwd #####
function set_passwd(){
    PASSWORD=$(whiptail --title "SET PASSWORD" --passwordbox "Choose a strong password" 8 78 3>&1 1>&2 2>&3)
    if [ $? -eq 0 ]; then
        # for check that password is empty
        if [ -z $PASSWORD ];then
            whiptail --title "No data entered" --msgbox "Please, Try again Enter PassWord !!....." 8 78
            set_passwd
        fi
        echo $PASSWORD | passwd --stdin $1 >/dev/null2&>1
        # echo $PASSWORD "this is pass for " $1
        fi
    }
}
##### end fun set passwd #####
```

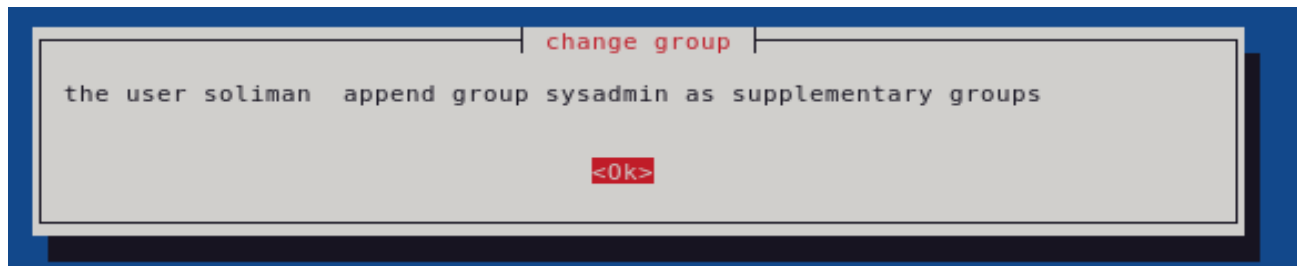
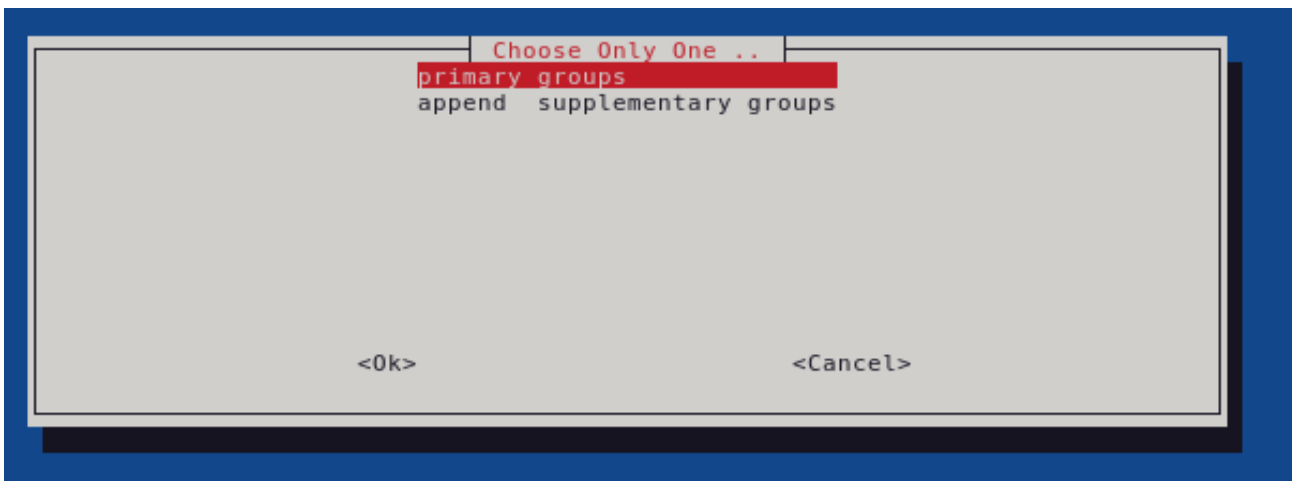
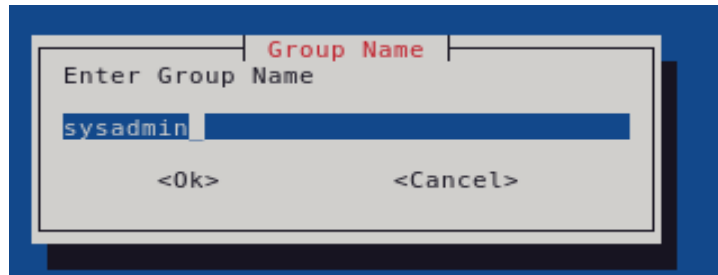
## 5.2. Change Home Directory



## Source code

```
##### For change home dir #####
function ch_home(){
    NEW_HOME=$(whiptail --title "New Home " --inputbox "Please Enter New Home Directory ..... like (/newhow/$EN_USER)" 8 78 3>&1 1>&2 2>&3)
    if [ $? -eq 0 ];then
        if [ -z $NEW_HOME ];then
            whiptail --title "No data entered" --msgbox "Please try again enter Home Directory .... " 8 78
            ch_home
        fi
        usermod -d $NEW_HOME $1
        whiptail --title "successfully" --msgbox "the $1 home directory is change ... \n$(tail -1 /etc/passwd | grep $EN_USER )" 8 78
    fi
}
#####
```

## 5.3.Change User Group .

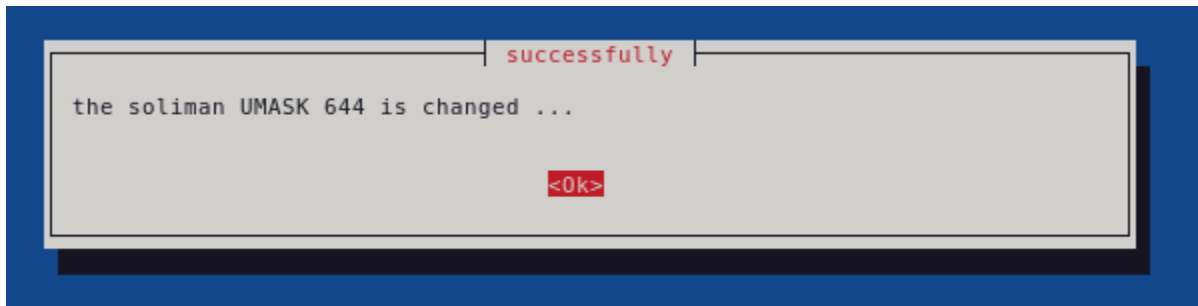
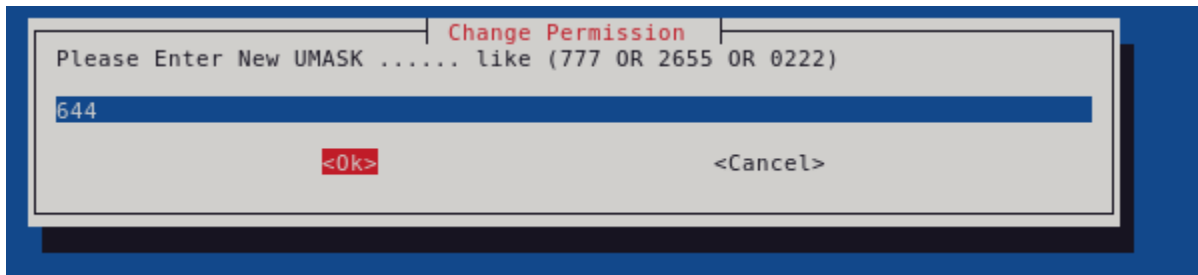


## Source code

```
***** Function Change Group *****
function ch_group(){
    GROUP=$(whiptail --title "Group Name" --inputbox "Enter Group Name" 8 40 3>&1 1>&2 2>&3)
    if [ $? -eq 0 ]; then
        ## for check that input not empty
        if [ -z $GROUP ];then
            whiptail --title "No data entered" --msgbox "please try again enter Group Name .... " 8 78
            ch_group
        else
            SELECTED=$(whiptail --title "Choose Only One .." --menu "List of choose .... " 15 80 9 \
                "primary" "groups" \
                "append" "supplementary groups" 3>&1 1>&2 2>&3)

            case $SELECTED in
                "primary") usermod -g $GROUP $1
                           whiptail --title "change group" --msgbox "the user $1 change group $GROUP as primary group " 8 78
                           ;;
                "append") usermod -a -G $GROUP $1
                           whiptail --title "change group" --msgbox "the user $1 append group $GROUP as supplementary groups" 8 78
                           ;;
                *) usermod -a -G $GROUP $1
                   whiptail --title "change group" --msgbox "the user $1 change group $GROUP as supplementary groups" 8 78
                   ;;
            esac
        fi
    fi
}
```

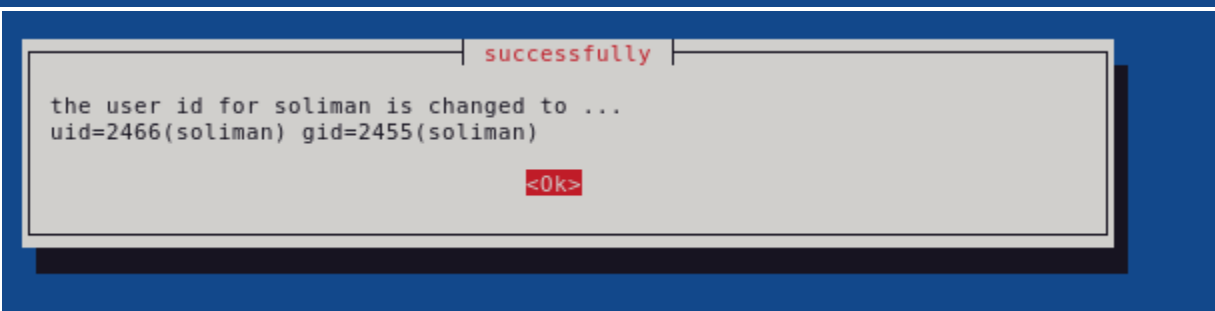
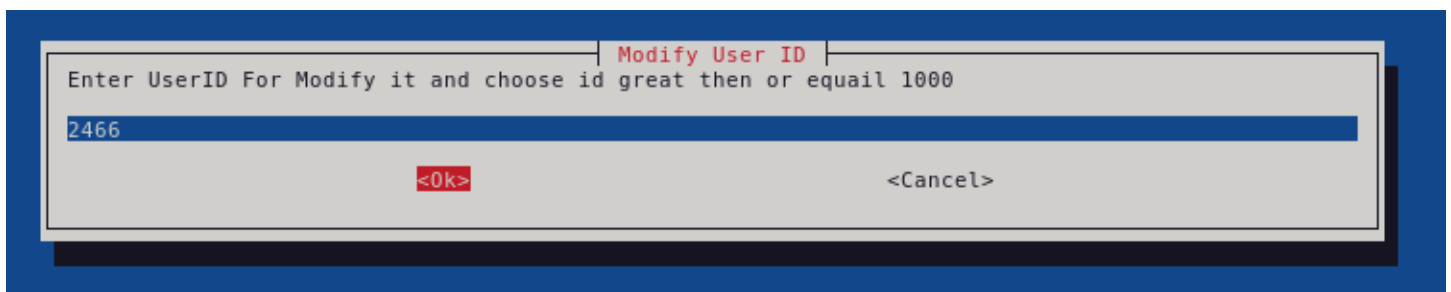
## 5.4. Change User permission (umask).



## Source code

```
#***** for chane umask *****
function ch_umask(){
    UMASK=$(whiptail --title "Change Permission " --inputbox "Please Enter New UMASK ..... like (777 OR 2655 OR 0222)" 8 78 3>61 1>62 2>63)
    if [ $? -eq 0 ];then
        if [ -z $UMASK ];then
            whiptail --title "No data entered" --msgbox "Please try again enter umask .... " 8 78
            ch_umask
        fi
        echo "umask" $UMASK >> /home/$1/.bashrc
        whiptail --title "successfully" --msgbox "the $1 UMASK $UMASK is changed ... " 8 78
    fi
}
```

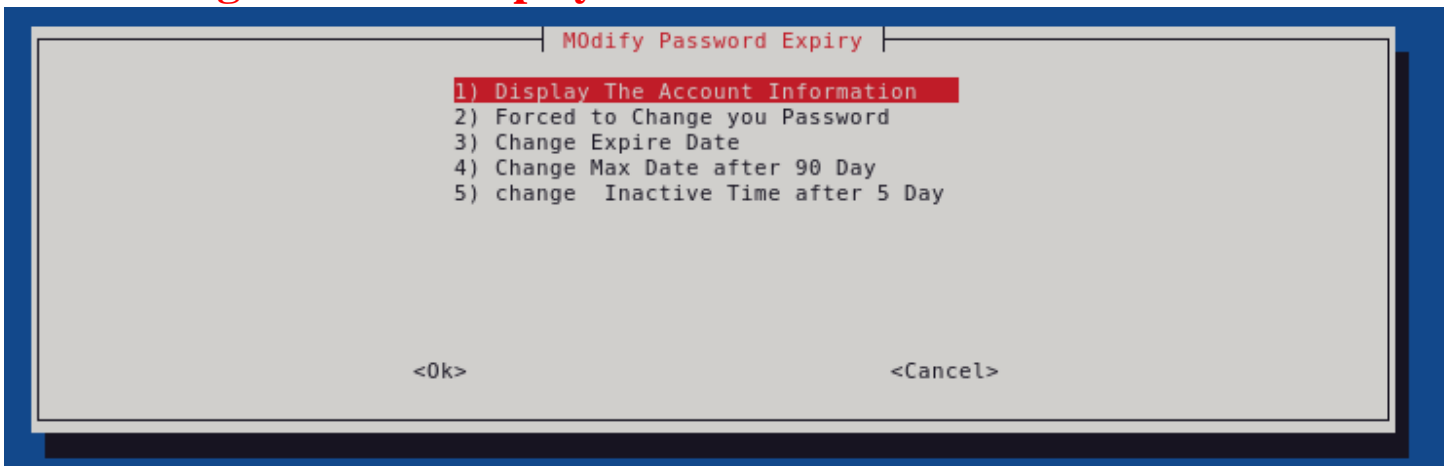
## 5.5 .Change User ID



## Source code

```
##***** FUNCTION CHANGE USERID
function userid(){
  USERID=$(whiptail --title "Modify User ID" --inputbox "Enter UserID For Modify it and choose id great then or equail 1000 " 8 100 3>41 1>62 2>63)
  if [ $? -eq 0 ]; then
    ## for check that input not empty
    if [ $USERID >= 1000 ];then
      whiptail --title "No data entered" --msgbox "please try again enter userid.... " 8 78
      userid
    else
      usermod -u $USERID $1
      whiptail --title "successfully" --msgbox "the user id for $1 is changed to ... \n$(id $1 |grep uid ) " 8 78
    fi
  fi
}
##*****END FUNCTION *****
```

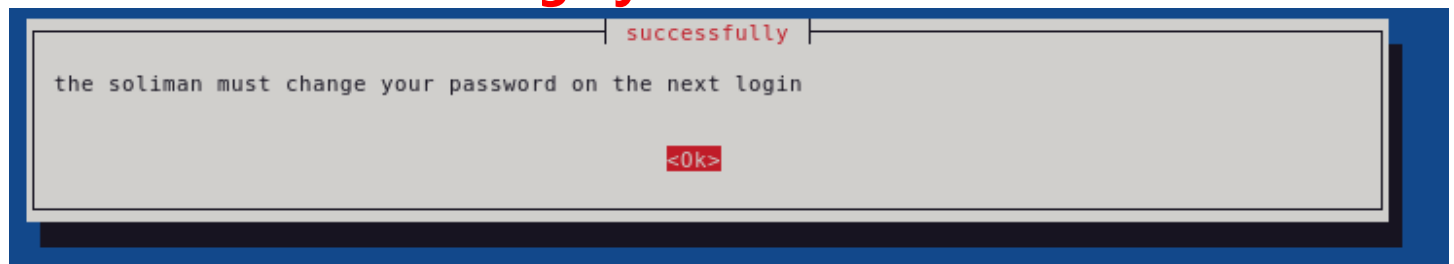
## 5.6. Change Account Expiry Information



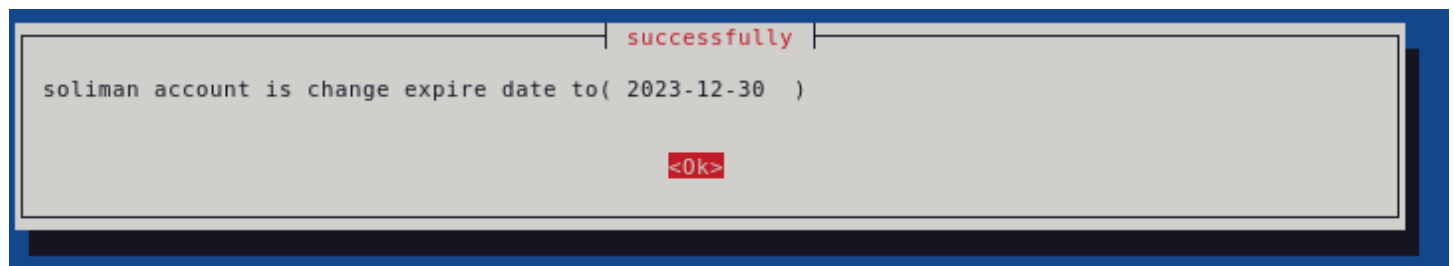
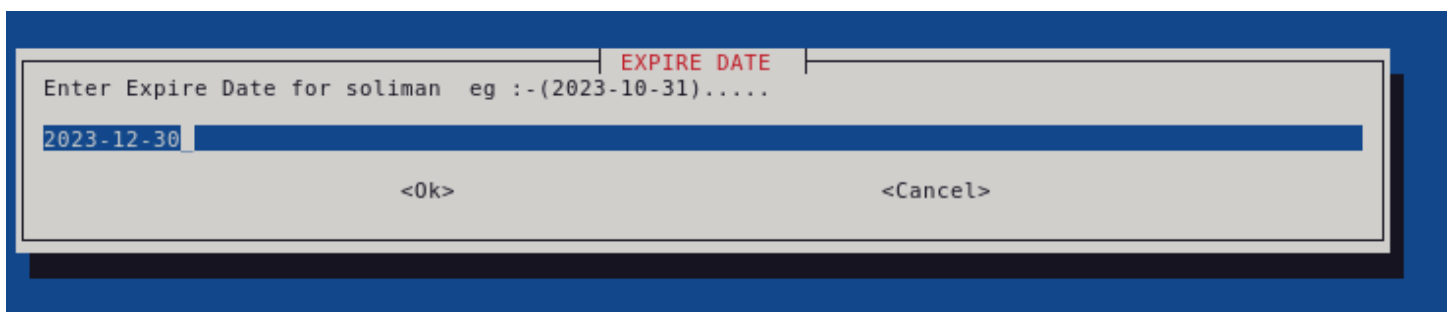
### 5.6.1. Display the Account Information



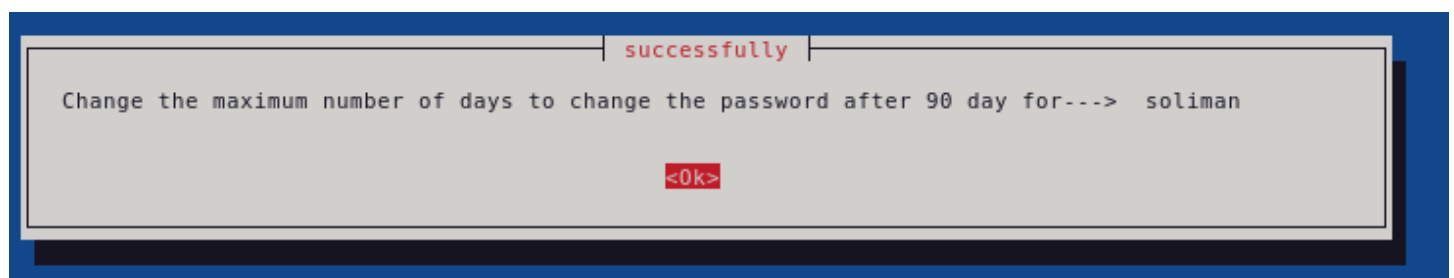
## 5.6.2. Forced to Change your Password



## 5.6.3. Change Expire date



## 5.6.4. Change Max Date after 90 Day



## 5.6.5. Change Inactive Time after 5 Day

successfully

Change the Inactive of days to change the password after 5 day for---> soliman

<Ok>

Get Data

The information Account soliman about expirt password

Last password change : password must be changed  
Password expires : password must be changed  
Password inactive : password must be changed  
Account expires: Dec 30, 2023  
Minimum number of days between password change: 0  
Maximum number of days between password change: 90  
Number of days of warning before password expires : 7

<Ok>

### source code

```
#####change user password expiry information#####
function u_pass_expiry(){
CHOICE=$(whiptail --title "M0dify Password Expiry" --menu "Modify User Password Expiry Information" 16 100 9 \
    "1)" "Display The Account Information" \
    "2)" "Forced to Change you Password" \
    "3)" "Change Expire Date " \
    "4)" "Change Max Date after 90 Day " \
    "5)" "change Inactive Time after 5 Day " 3>62 2>61 1>63 )

case $CHOICE in
    "1)") whiptail --title "Get Data" --msgbox "The information Account $1 about expirt password \n\n$(chage -l $1)" 20 100 9
        ;;
    "2)") chage -d 0 $1
        whiptail --title "successfully" --msgbox "the $1 must change your password on the next login " 8 100
        ;;
    "3)") EXPIREDATE=$(whiptail --title "EXPIRE DATE " --inputbox "Enter Expire Date for $1 eg :-(2023-10-31)..... " 8 40 3>61 1>62 2>63)
        if [ $? -eq 0 ]; then
            ## for check that input not empty
            if [ -z $EXPIREDATE ];then
                whiptail --title "No data entered" --msgbox "please try again enter expire date.... " 8 100
                EXPIREDATE=$(whiptail --title "EXPIRE DATE " --inputbox "Enter Expire Date for $1 eg :-(2023-10-31)..... " 8 40 3>61 1>62 2>63)
            else
                chage -E $EXPIREDATE $1
                whiptail --title "successfully" --msgbox "$1 account is change expire date to( $EXPIREDATE ) " 8 100
            fi
        fi
        ;;
    "4)") chage -M 90 $1
        whiptail --title "successfully" --msgbox " Change the maximum number of days to change the password after 90 day for---> $1 " 8 100
        ;;
    "5)") chage -I 5 $1
        whiptail --title "successfully" --msgbox " Change the Inactive of days to change the password after 5 day for---> $1 " 8 100
        ;;
    *) u_pass_expiry ;;
esac
}
```

## 6. list all group that have users

```

List Of Groups

GROUPS : ...
Group Name :( sysadmin ) GroupID : (1001) and have Users : natasha,harry,ali2,soliman
Group Name :( sysadmin55 ) GroupID : (2457) and have Users : soliman

<Ok>
```

## 7. list all Standard Users .

```

List Of Users

Users: ...
User_Name :(nobody) ID:(65534) GID:(65534) home directory :(/) shell:(/sbin/nologin)
User_Name :(Soliman) ID:(1000) GID:(1000) home directory :(/home/Soliman) shell:(/bin/bash)
User_Name :(harry) ID:(1001) GID:(1002) home directory :(/home/harry) shell:(/bin/bash)
User_Name :(sarah) ID:(1002) GID:(1003) home directory :(/home/sarah) shell:(/sbin/nologin)
User_Name :(natasha) ID:(1003) GID:(1004) home directory :(/home/natasha) shell:(/bin/bash)
User_Name :(soly_1) ID:(1004) GID:(1005) home directory :(/home/soly_1) shell:(/bin/bash)
User_Name :(soly_2) ID:(1005) GID:(1006) home directory :(/home/soly_2) shell:(/bin/bash)
User_Name :(soly_3) ID:(1006) GID:(1007) home directory :(/home/soly_3) shell:(/bin/bash)
User_Name :(soly_4) ID:(1007) GID:(1008) home directory :(/home/soly_4) shell:(/bin/bash)
User_Name :(soly_5) ID:(1008) GID:(1009) home directory :(/home/soly_5) shell:(/bin/bash)
User_Name :(so_1) ID:(1009) GID:(1010) home directory :(/home/so_1) shell:(/bin/bash)
User_Name :(so_2) ID:(1010) GID:(1011) home directory :(/home/so_2) shell:(/bin/bash)
User_Name :(so_3) ID:(1011) GID:(1012) home directory :(/home/so_3) shell:(/bin/bash)

<Ok>
```

## Code

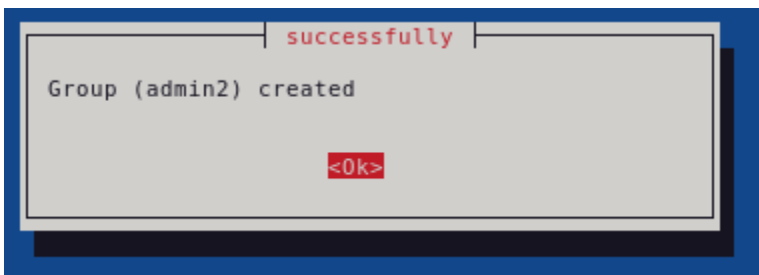
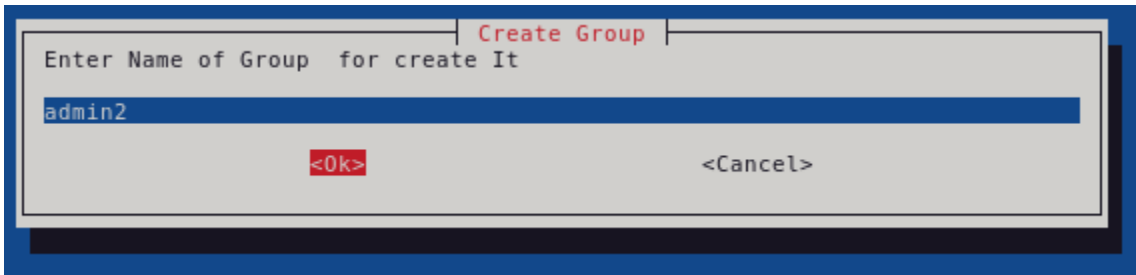
```

"6)" # for list all group that have users
whiptail --title "List Of Groups" --scrolltext --msgbox "GROUPS : ..." \
  "\n$(cat /etc/group | awk -F: '{if($3 >=100 && $4 != "") { print "Group Name : (" $1 ") GroupID : (" $3 ") and have Users : \"$4 } }' 2>/dev/null )" 20 2>
;;

"7)" # for list all Standard users
whiptail --title "List Of Users" --scrolltext --msgbox "Users: ... " \
  "\n$(cat /etc/passwd | awk -F: '{if($3 >=1000 && $4 != "") { print "User_Name : (" $1 ") ID: (" $3 ") GID: (" $4 ") home directory : (" $6 ") shell: (" $7 ") } }' 2>
;;
```



## 8.Add New Group .

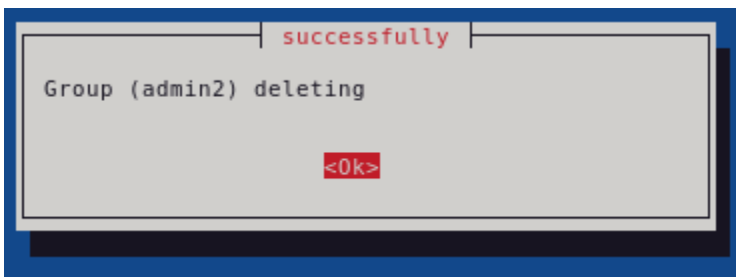
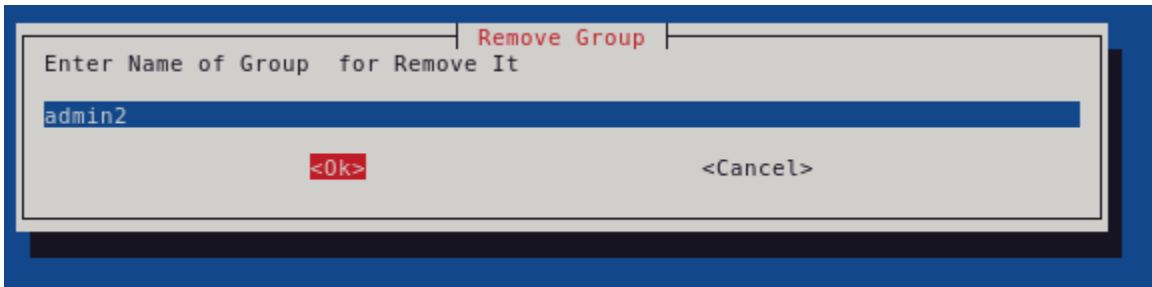


## Code

```
#####for add group #####
function add_group(){
    GROUP_NAME=$(whiptail --title "Create Group" --inputbox "Enter Name of Group for create It" 8 78 3>61 1>62 2>63)
    if [ $? -eq 0 ]; then
        ## for check that input not empty
        if [ -z $GROUP_NAME ];then
            whiptail --title "No data entered" --msgbox "please try again to enter group name .... " 8 78
            add_group
        else
            ## for check group existed or not
            getent group $GROUP_NAME > /dev/null 2>&1
            if [ $? -eq 0 ]; then
                whiptail --title "available" --msgbox "the $GROUP_NAME group does exist in the system" 8 78
            else
                groupadd $GROUP_NAME
                whiptail --title "successfully" --msgbox "Group ($GROUP_NAME) created " 8 50
            fi
        fi
    fi
}

#####end adding group #####
```

## 9.Delete Group.



## Code

```
function del_group(){
    GROUP_del=$(whiptail --title "Remove Group" --inputbox "Enter Name of Group for Remove It" 8 78 3>&1 1>&2 2>&3)
    if [ $? -eq 0 ]; then
        ## for check that input not empty
        if [ -z $GROUP_del ];then
            whiptail --title "No data entered" --msgbox "please try again to enter group name .... " 8 78
            del_group
        else
            ## for check group existed or not
            getent group $GROUP_del > /dev/null 2>&1
            if [ $? -eq 0 ]; then
                groupdel $GROUP_del
                whiptail --title "successfully" --msgbox "Group ($GROUP_del) deleting " 8 50
            else
                whiptail --title "available" --msgbox "the $GROUP_del group does not exist in the system" 8 78
            fi
        fi
    fi
}
```

\*\*\*\*\*

## 10.Modify Group .

Modify Group

Enter Name of Group for Modify It

sysadmin

<Ok> <Cancel>

Modify Group

1) Change Group Name.  
2) Change Groupid.  
3) Add User For Group  
4) Remove User From Group.

<Ok> <Cancel>

### 10.1.Change Group Name.

Change Name Group

Enter New Name of Group for Change It

admin

<Ok> <Cancel>

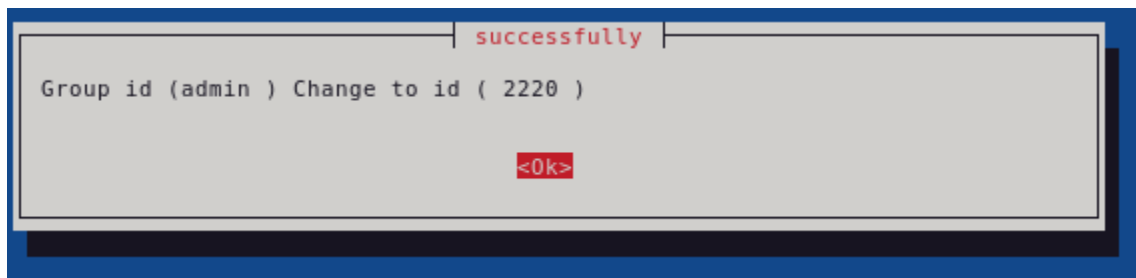
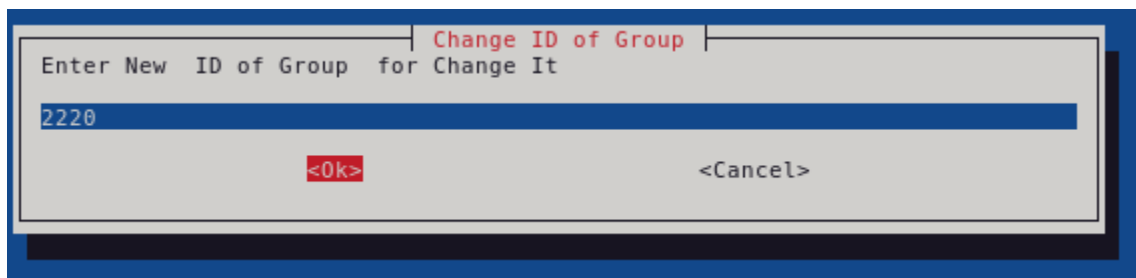
successfully

Group (sysadmin ) Change to ( admin )

<Ok>

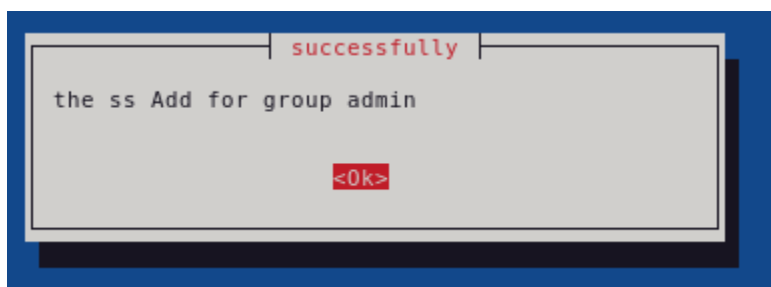
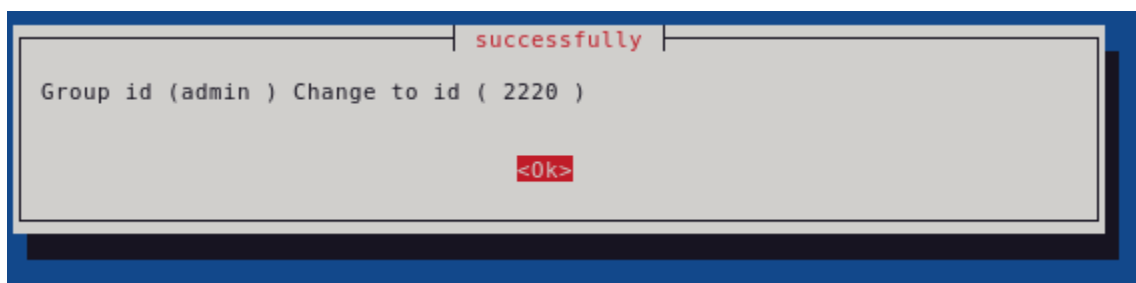
```
***** function Change Group Name *****
function ch_name_group(){
    new_name=$(whiptail --title "Change Name Group" --inputbox "Enter New Name of Group for Change It" 8 78 3>&1 1>&2 2>&3)
    if [ $? -eq 0 ]; then
        ## for check that input not empty
        if [ -z $new_name ];then
            whiptail --title "No data entered" --msgbox "please try again to enter group name .... " 8 78
            ch_name_group
        else
            groupmod -n $new_name $1
            whiptail --title "successfully" --msgbox "Group ($1 ) Change to ( $new_name ) " 8 78
        fi
    fi
}
```

## 10.2. Change Groupid.



```
***** function Change Group ID *****
function ch_groupid(){
    new_id=$(whiptail --title "Change ID of Group" --inputbox "Enter New ID of Group for Change It" 8 78 3>&1 1>&2 2>&3)
    if [ $? -eq 0 ]; then
        ## for check that input not empty
        if [ $new_id >= 1000 ];then
            whiptail --title "No data entered" --msgbox "please try again to enter group ID Great then 1000 .... " 8 78
            ch_groupid
        else
            groupmod -g $new_id $1
            whiptail --title "successfully" --msgbox "Group id ($1 ) Change to id ( $new_id ) " 8 78
        fi
    fi
}
```

## 10.3. Add User For Group

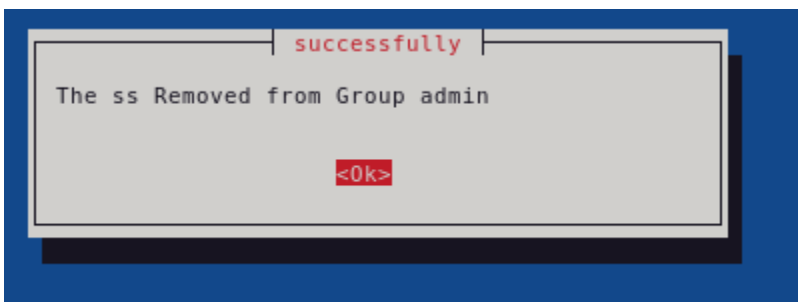
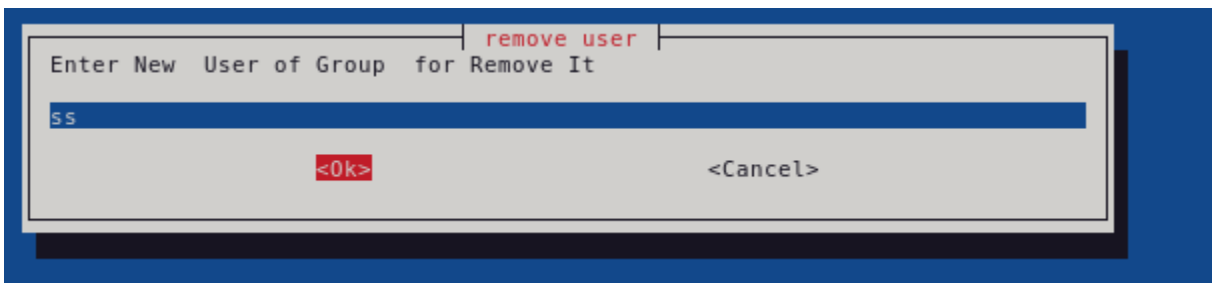


```

#***** function add User For Group *****
function add_user(){
    user=$(whiptail --title "Add user" --inputbox "Enter Username for Add it to Group " 8 78 3>&1 1>&2 2>&3)
    if [ $? -eq 0 ]; then
        ## for check that input not empty
        if [ -z $user ];then
            whiptail --title "No data entered" --msgbox "please try again to enter user name .... " 8 78
            add_user
        else
            getent group $1 | grep -w $user # > /dev/null 2>&1
            if [ $? -eq 0 ]; then
                whiptail --title "User Exist" --msgbox "the $user is exists at Group $1 ..... " 8 78
            else
                gpasswd -a $user $1
                whiptail --title "successfully" --msgbox "the $user Add for group $1 " 8 50
            fi
        fi
    fi
}

```

## 10.4. Remove User From Group.



```

#***** function Remove User From Group *****
function remove_user(){
    user=$(whiptail --title "remove user" --inputbox "Enter New User of Group for Remove It" 8 78 3>&1 1>&2 2>&3)
    if [ $? -eq 0 ]; then
        ## for check that input not empty
        if [ -z $user ];then
            whiptail --title "No data entered" --msgbox "please try again to enter user name .... " 8 78
            remove_user
        else
            getent group $1 | grep -w $user # > /dev/null 2>&1
            if [ $? -eq 0 ]; then
                gpasswd -d $user $1
                whiptail --title "successfully" --msgbox "The $user Removed from Group $1 " 8 50
            else
                whiptail --title "unavailable" --msgbox "the $user is not exists at Group $1 ..... " 8 78
            fi
        fi
    fi
}

```

# Source code

```
##### fuction for modify groups #####
function modify_group(){
    GROUP_MOD=$(whiptail --title "Modify Group" --inputbox "Enter Name of Group for Modify It" 8 78 3>&1 1>&2 2>&3)
    if [ $? -eq 0 ]; then
        ## for check that input not empty
        if [ -z $GROUP_MOD ];then
            whiptail --title "No data entered" --msgbox "please try again to enter group name .... " 8 78
            modify_group
        else
            ## for check group existed or not
            getent group $GROUP_MOD > /dev/null 2>&1
            if [ $? -eq 0 ]; then
                CHOICE=$(whiptail --title "Modify Group" --menu "Make your choice" 16 100 9 \
                    "1)" "Change Group Name." \
                    "2)" "Change Groupid." \
                    "3)" "Add User For Group" \
                    "4)" "Remove User From Group." 3>&2 2>&1 1>&3 )

                case $CHOICE in
                    "1)") ch_name group $GROUP_MOD ;;
                    "2)") ch_groupid $GROUP_MOD ;;
                    "3)") add_user $GROUP_MOD ;;
                    "4)") remove_user $GROUP_MOD ;;
                    *) modify_group ;;
                esac
            else
                whiptail --title "GROUP NOT FOUND" --msgbox "this $GROUP_MOD group is not exists ..... " 8 78
            fi
        fi
    fi
}
fi
```

## 11. Exit from App.

```
##### MAIN #####
while [ 1 ]
do
    CHOICE=$( whiptail --title "System Admin Helper" --menu "Choose What Do you want " 25 100 15 \
        "1)" "Add New User " \
        "2)" "Delete User " \
        "3)" "Disable User Account." \
        "4)" "Enable User Account." \
        "5)" "Modify User Account." \
        "6)" "list all group that have users" \
        "7)" "list all Standard Users" \
        "8)" "Add New Group " \
        "9)" "Delete Group " \
        "10)" "Modify Group " \
        "11)" "Exit from App " 3>&2 2>&1 1>&3 )

    case $CHOICE in
        "1)") create_user ;;
        "2)") delete_user ;;
        "3)") disable_user ;;
        "4)") enable_user ;;
        "5)") edit_user ;;
        "6)") # for list all group that have users
            whiptail --title "List Of Groups " --scrolltext --msgbox "GROUPS : ... \n$(cat /etc/group | awk -F: '{if($3 >=100 && $4 != "") { print "Group Name :>
            ;;
        "7)") # for list all Standard users
            whiptail --title "List Of Users " --scrolltext --msgbox "Users: ... \n$(cat /etc/passwd | awk -F: '{if($3 >=1000 && $4 != "") { print "User_Name :>
            ;;
        "8)") add_group ;;
        "9)") del_group ;;
        "10)") modify_group ;;
        "11)") exit ;;
    esac
done
exit
```

Thanks