```
[hassan@hassan26 ~]$ nano project
[hassan@hassan26 ~]$ chmod +x project
[hassan@hassan26 ~]$ ./project
[hassan@hassan26 ~]$
```

```bash
GNU nano 5.6.1                              project
#!/bin/bash

# Function to display menu using whiptail
main_menu() {
    whiptail --title "Main Menu" --menu "Choose an option" 20 75 13 \
    "1- Add User" "Add a user to the system." \
    "2- Modify User" "Modify an existing user" \
    "3- Delete User" "Delete an existing user" \
    "4- List Users" "List all users on the system" \
    "5- Add Group" "Add a user group to the system" \
    "6- Modify Group" "Modify a group" \
    "7- Delete Group" "Delete an existing group" \
    "8- List Groups" "List all groups on the system" \
    "9- Disable User" "Lock the user account" \
    "10- Enable User" "Unlock the user account" \
    "11- Change Password" "Change password of the user" \
    "0- About" "Information about this script" \
    "00- Exit" "Exit" 3>&1 1>&2 2>&3
}

while true; do
    choice=$(main_menu)

    case "$choice" in
        "1- Add User")
            username=$(whiptail --inputbox "Enter username to add:" 10 45 --title "Add User" 3>&1 1>&2 2>&3)
            sudo useradd "$username"
            whiptail --title "Add User"  --msgbox "User ($username) successfully added" 10 45
            ;;
        "2- Modify User")
            username=$(whiptail --inputbox "Enter username to modify:" 10 45 --title "Modify User" 3>&1 1>&2 2>&3)
            new_username=$(whiptail --inputbox "Enter the new username:" 10 45 --title "Modify User" 3>&1 1>&2 2>&3)
            sudo usermod -l "$new_username" "$username"
            ;;
        "3- Delete User")
            username=$(whiptail --inputbox "Enter username to delete:" 10 45 --title "Delete User" 3>&1 1>&2 2>&3)
            sudo userdel -r "$username"
            whiptail --title "Delete User"  --msgbox "User ($username) successfully Deleted" 10 45
                          [ Read 86 lines ]
^G Help        ^O Write Out    ^W Where Is    ^K Cut        ^T Execute    ^C Location    M-U Undo    M-A Set Mark
^X Exit        ^R Read File    ^\ Replace     ^U Paste      ^J Justify    ^  Go To Line  M-E Redo    M-6 Copy
```

Activities   Terminal   Aug 16 00:28

hassan@hassan26:~ — /bin/bash ./project

```
                         ┤ Main Menu ├
     1- Add User         Add a user to the system.
     2- Modify User      Modify an existing user
     3- Delete User      Delete an existing user
     4- List Users       List all users on the system
     5- Add Group        Add a user group to the system
     6- Modify Group     Modify a group
     7- Delete Group     Delete an existing group
     8- List Groups      List all groups on the system
     9- Disable User     Lock the user account
     10- Enable User     Unlock the user account
     11- Change Password Change password of the user
     0- About            Information about this script
     00- Exit            Exit


              <Ok>                      <Cancel>
```