Bash Scripting – Final Project

Eng. Romany Nageh

Project
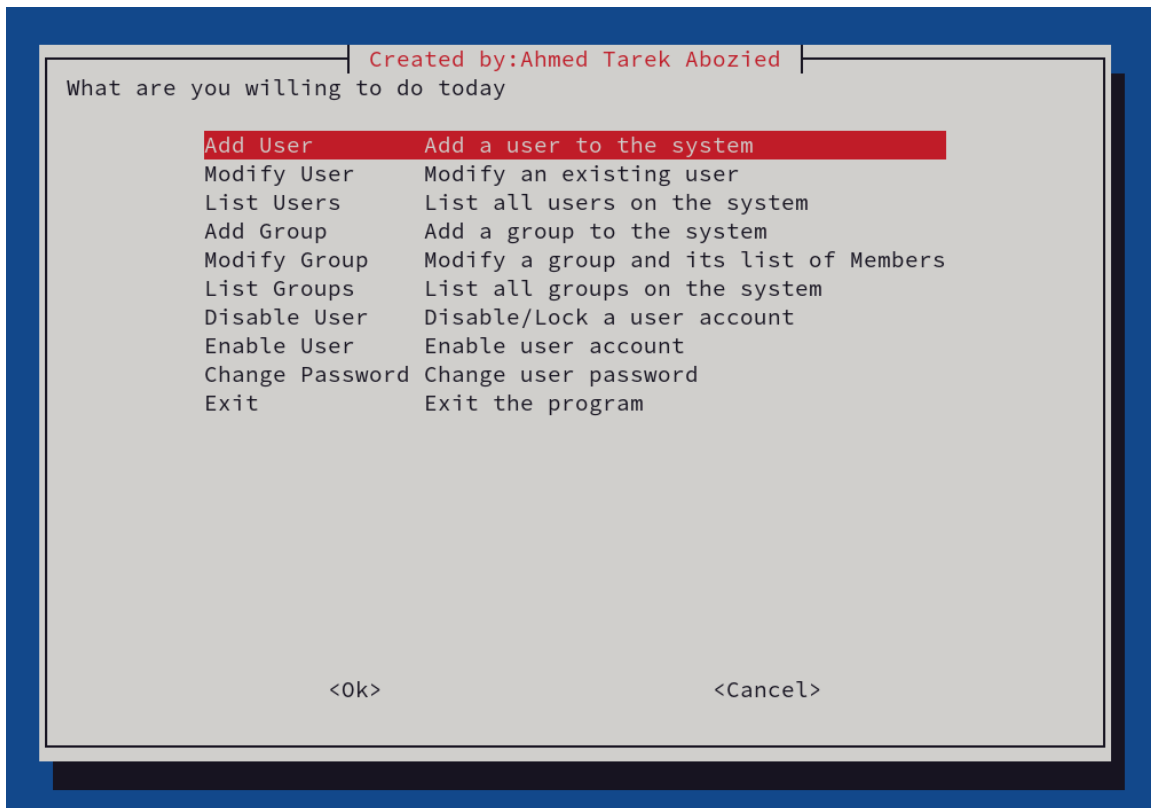
System Admin

Helper.

by

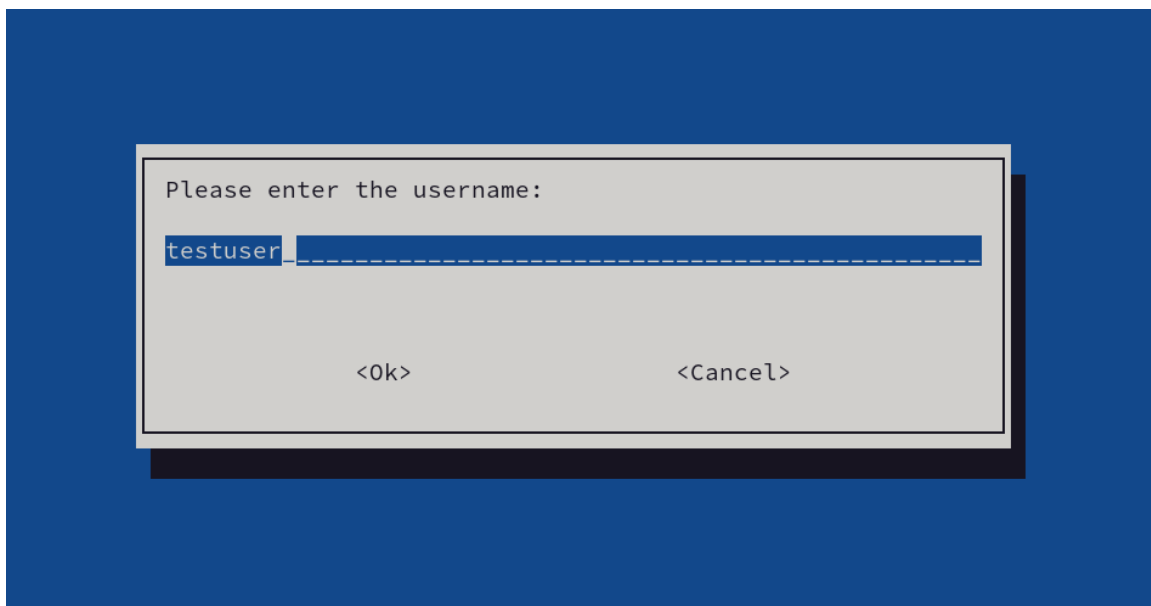Ahmed Tarek Abozied

April 2023

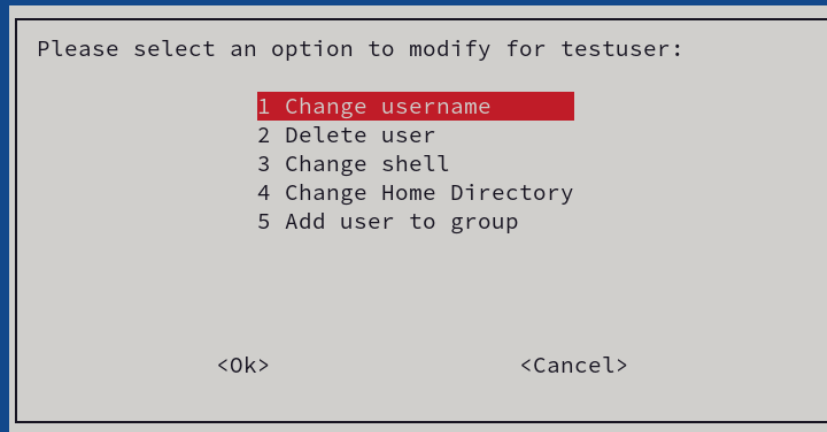## The Main Menu

```
┌─────────────────┤ Created by:Ahmed Tarek Abozied ├─────────────────┐
 What are you willing to do today

        Add User        Add a user to the system
        Modify User     Modify an existing user
        List Users      List all users on the system
        Add Group       Add a group to the system
        Modify Group    Modify a group and its list of Members
        List Groups     List all groups on the system
        Disable User    Disable/Lock a user account
        Enable User     Enable user account
        Change Password Change user password
        Exit            Exit the program




              <Ok>                        <Cancel>
```

1st Option on the Main Menu

 Enter specific Username to Modify

```
 Please enter the username:

 testuser_____


         <Ok>                    <Cancel>
```

Modifying Options for user (testuser)

Please select an option to modify for testuser:

```
                1 Change username
                2 Delete user
                3 Change shell
                4 Change Home Directory
                5 Add user to group



            <Ok>                    <Cancel>
```

Option1

Changing user [testuser] to [usertest]

Please enter the new username:

usertest_____

```
            <Ok>                    <Cancel>
```
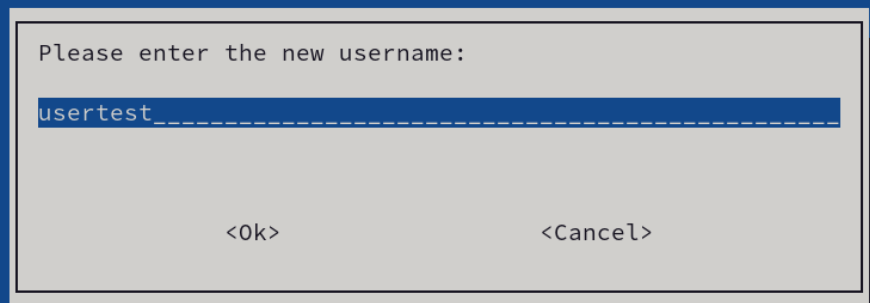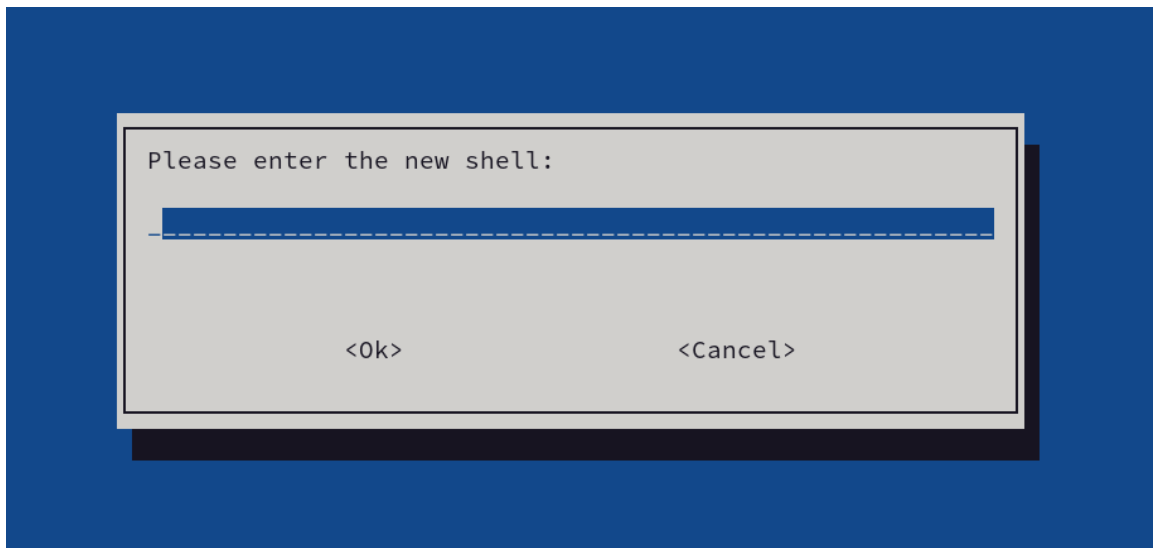
Option2

Deleting [usertest]
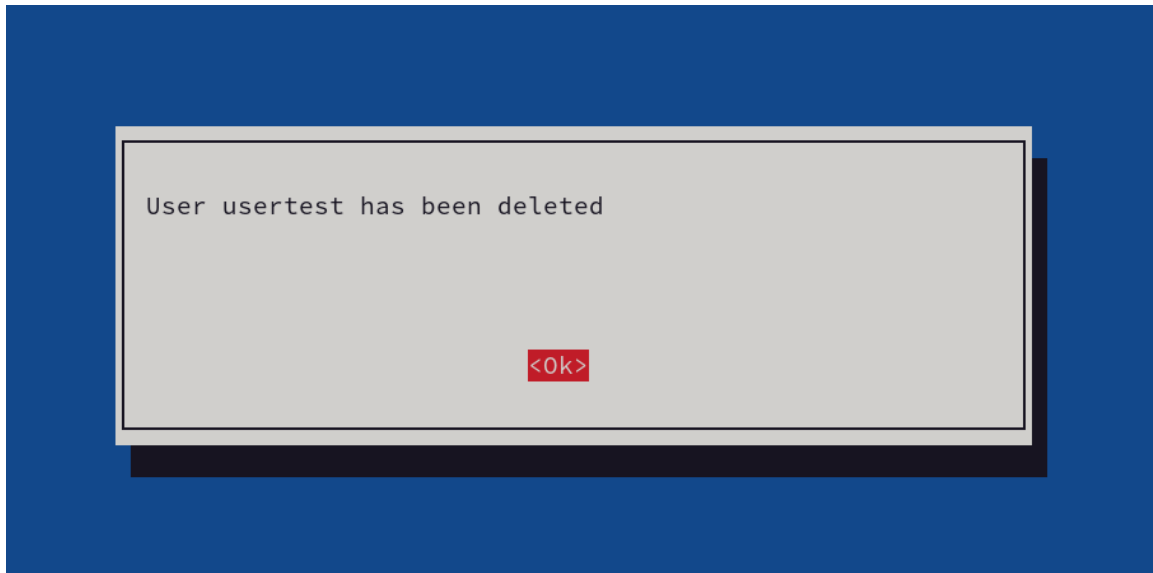
Option3

Changing User Shell

Option4

Changing the Path of Home Directory of the User

```
Please enter the new home directory(Absolute Path):
_____

                <Ok>                    <Cancel>
```
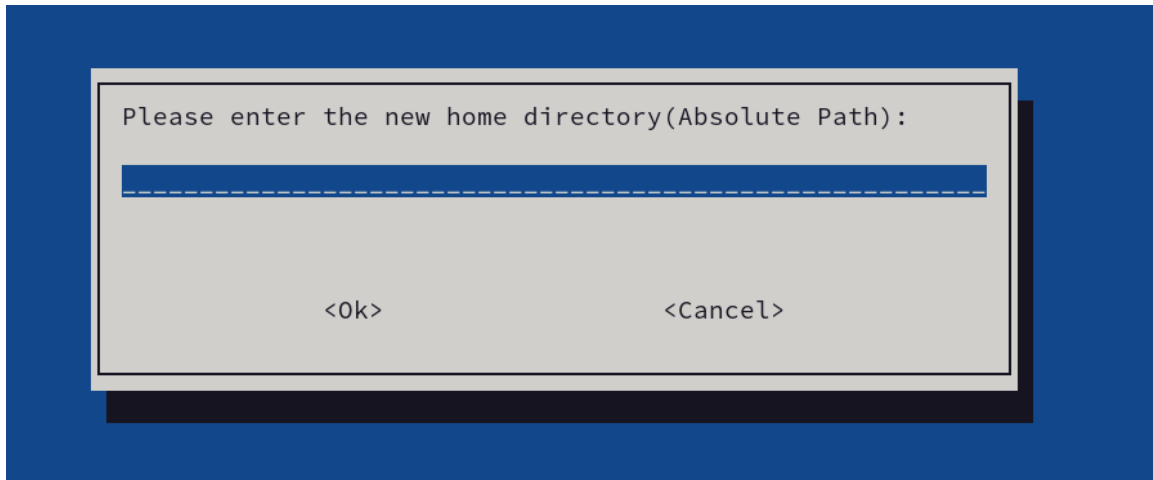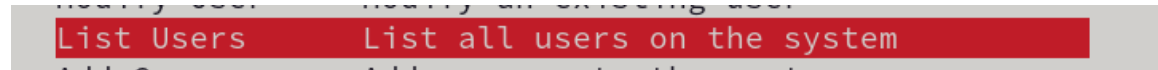
Option 5

Adding user to group

```
Please enter the group name to add Abozied to:

wheel_____

                <Ok>                    <Cancel>
```
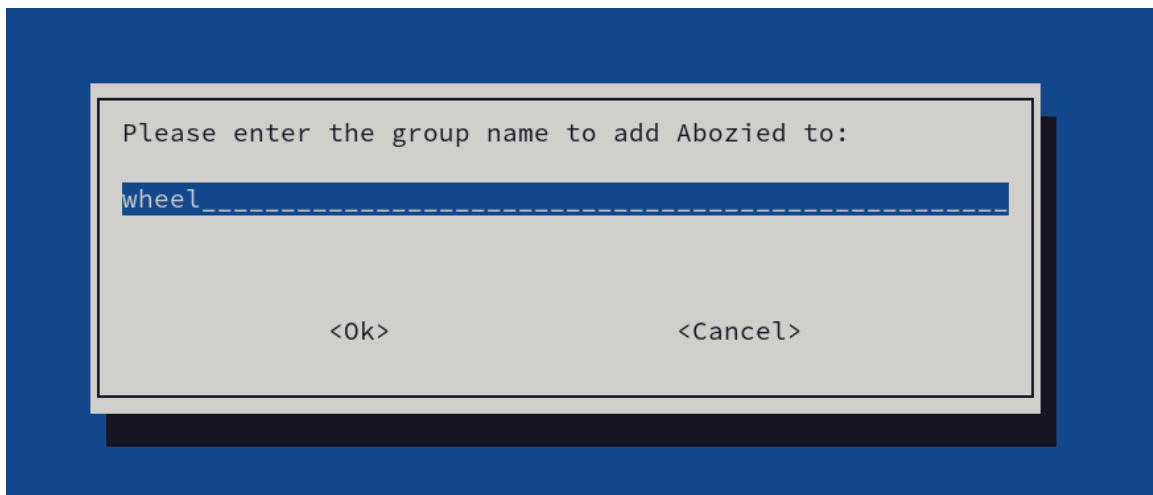
2nd Option on the Main Menu

List Users

```
List Users      List all users on the system
```

Which list the users on system

```
┤ Users ├

    systemd-coredump                                           ↑
    dbus
    polkitd
    avahi
    rtkit
    libstoragemgmt
    systemd-oom
    geoclue
    tss
    cockpit-ws
    cockpit-wsinstance
    colord
    sssd
    setroubleshoot
    pipewire
    flatpak
    clevis
    gdm
    gnome-initial-setup
    sshd
    chrony
    dnsmasq
    tcpdump                                                    ▯
    Abozied                                                    ↓

                        <Ok>
```
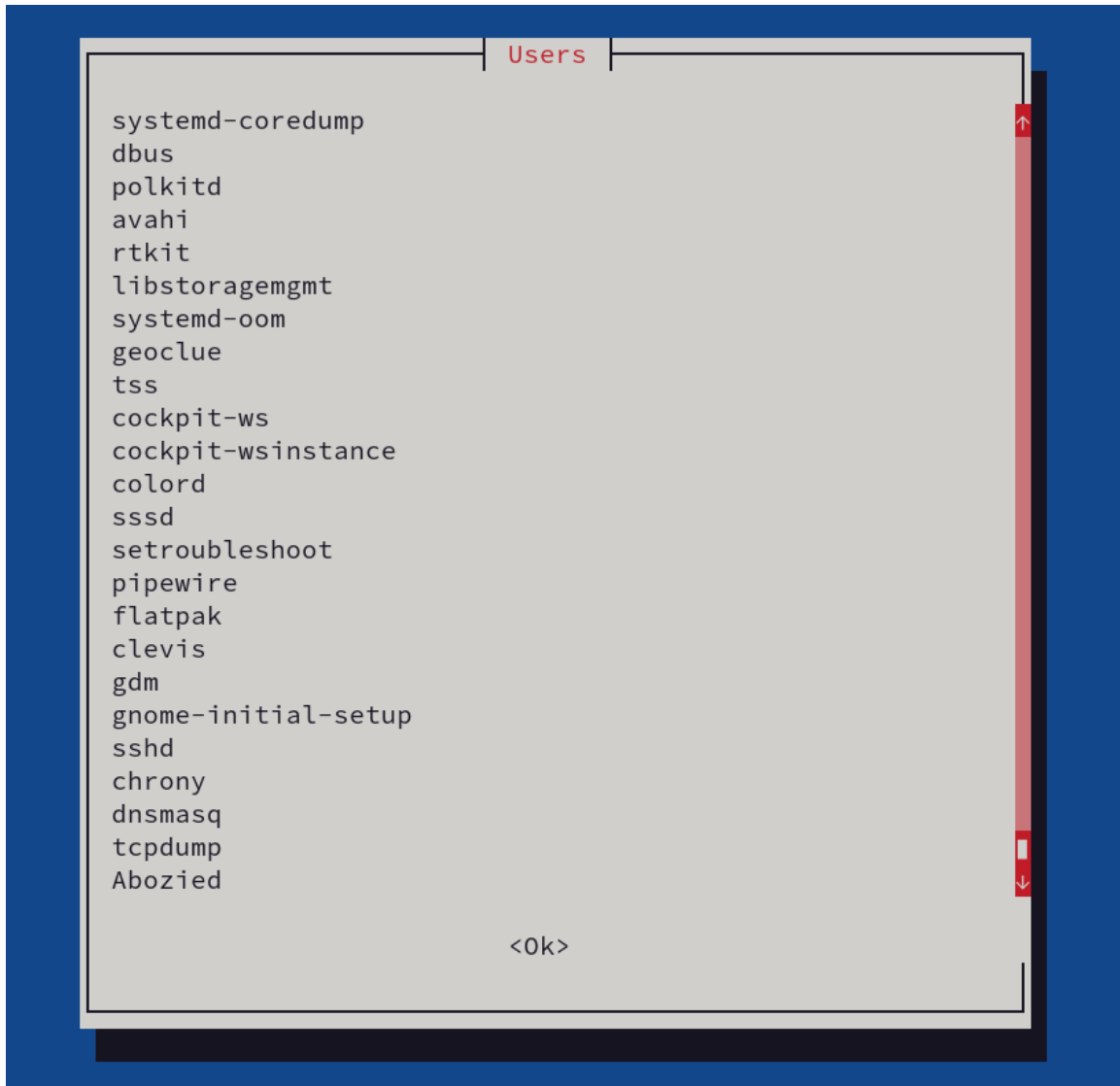
3rd Main Manu Option

Adding new Group

```
                    List all users on the system
Add Group          Add a group to the system
Modify Group       Modify a group and its list of Members
```

```
Please enter the group name:

elbaziada_club_____

        <Ok>                    <Cancel>
```

```
Group elbaziada_club added successfully.

                <Ok>
```
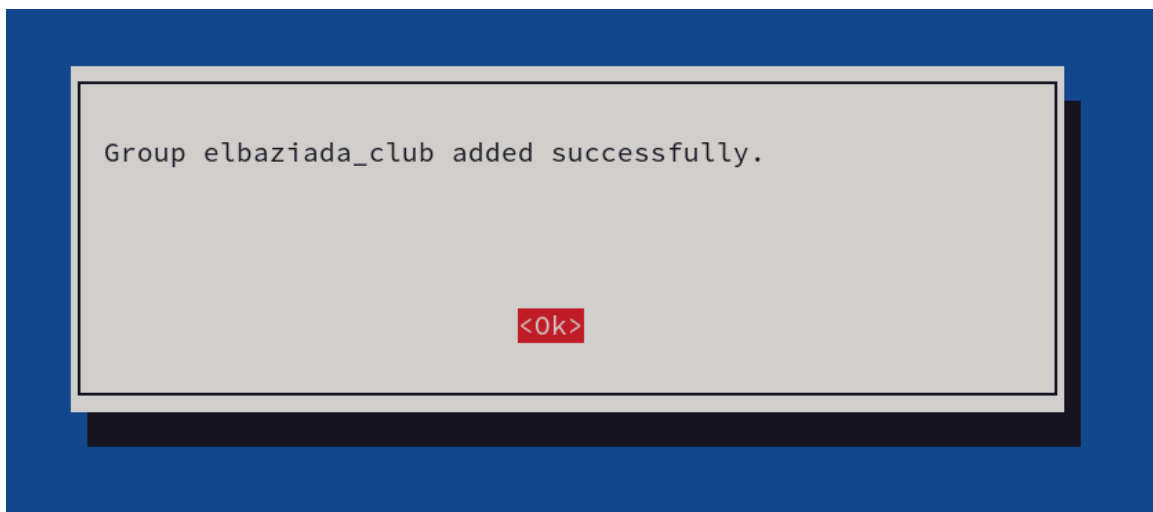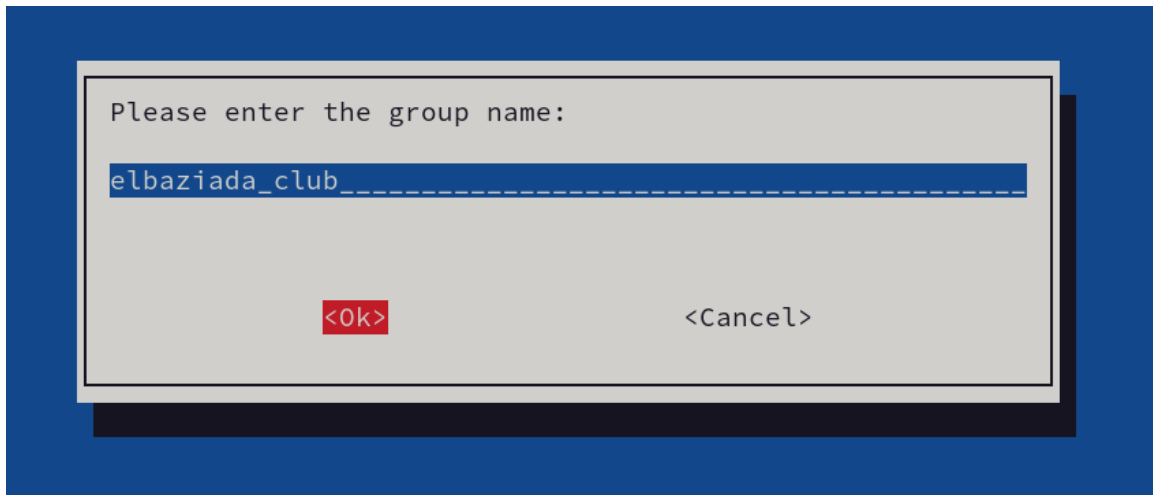
5th Option Modify Group

```
Modify Group     Modify a group and its list of Members
```

With an a after the l letter

```
Please enter the group name:

elbaziada_club_____
```

```
              <Ok>                    <Cancel>
```

New Submenu will Emerge.

```
Please select an option to modify for elbaziada_club:

                     1 Change group name
                     2 Change GID
                     3 Delete Group




              <Ok>                    <Cancel>
```
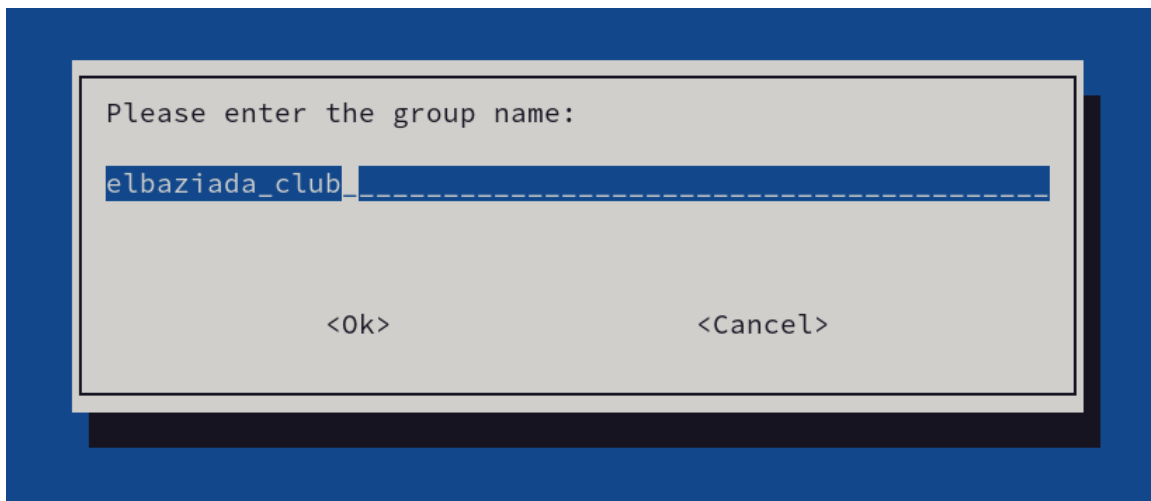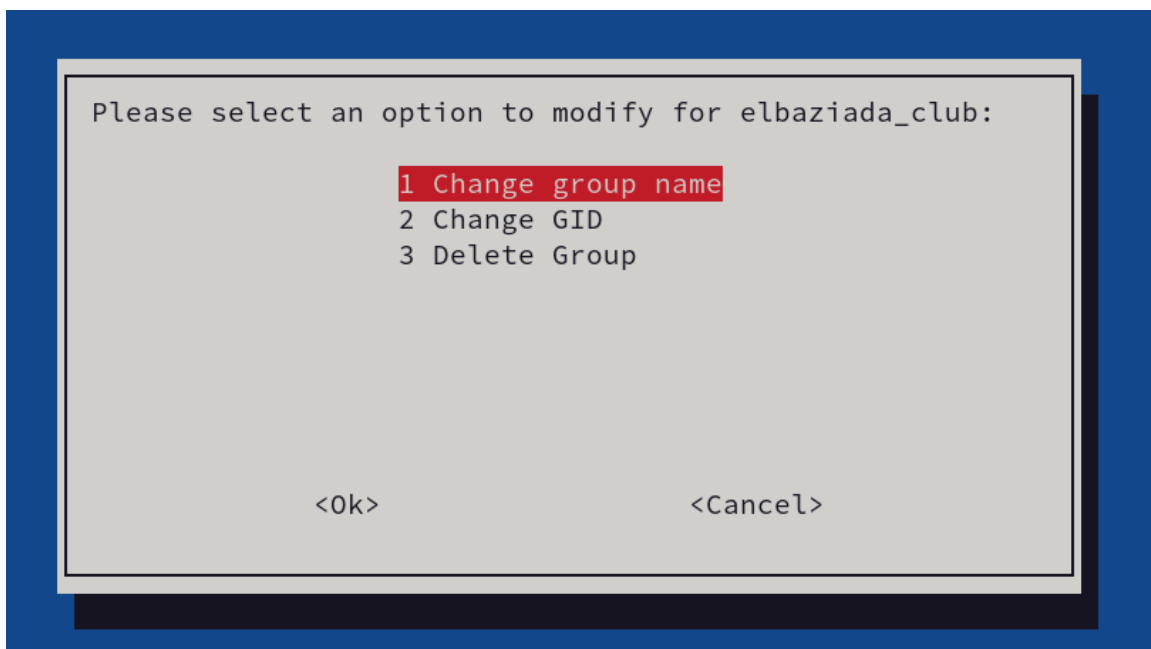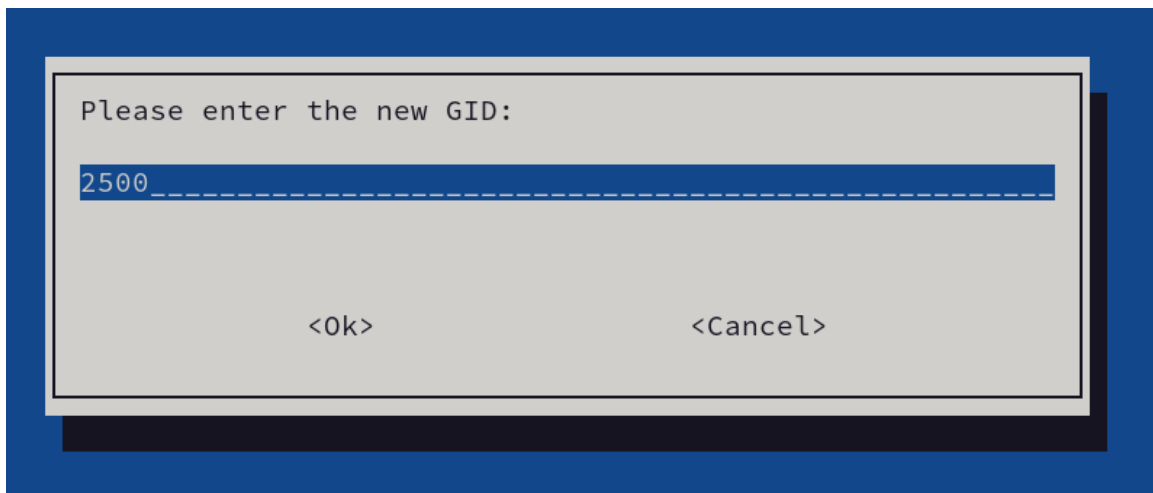
Option 1 Change Group Name

Changed the Username to be with an e instead of a after the I letter

```
Please enter the new group name:

elbazieda_club_____

            <Ok>                    <Cancel>
```

```
Group name elbaziada_club changed to elbazieda_club



                    <Ok>
```
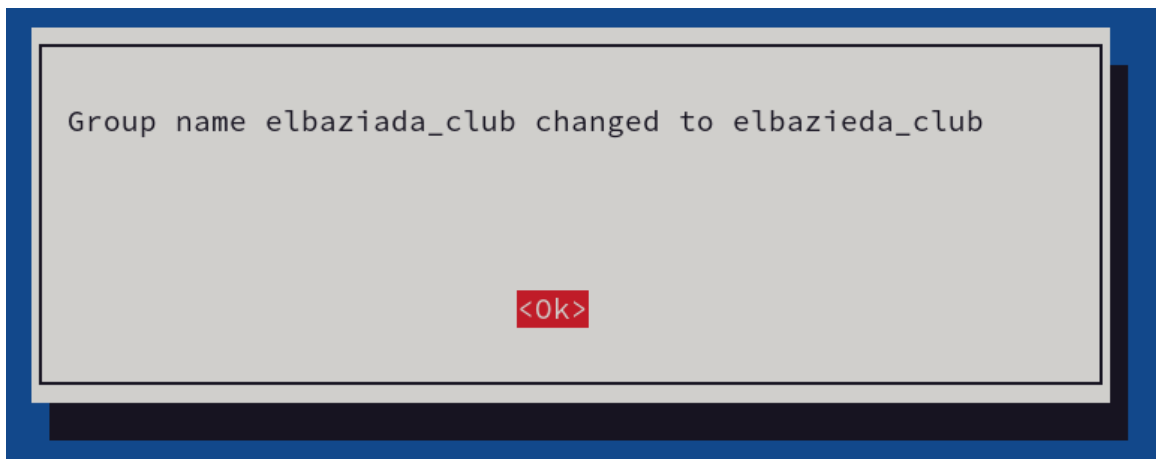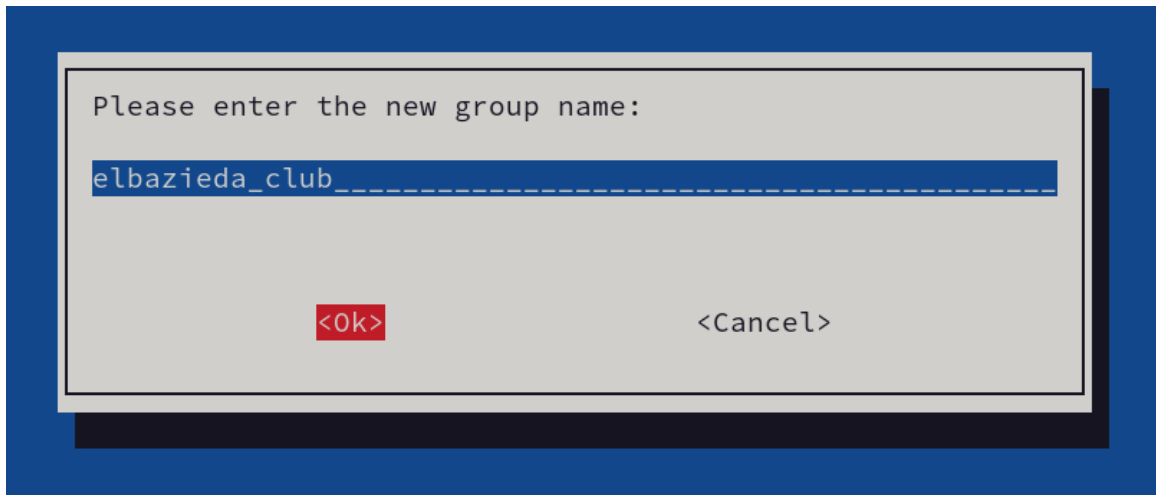
Option 2 Change GID

```
Please enter the new GID:

2500_____


        <Ok>                    <Cancel>
```
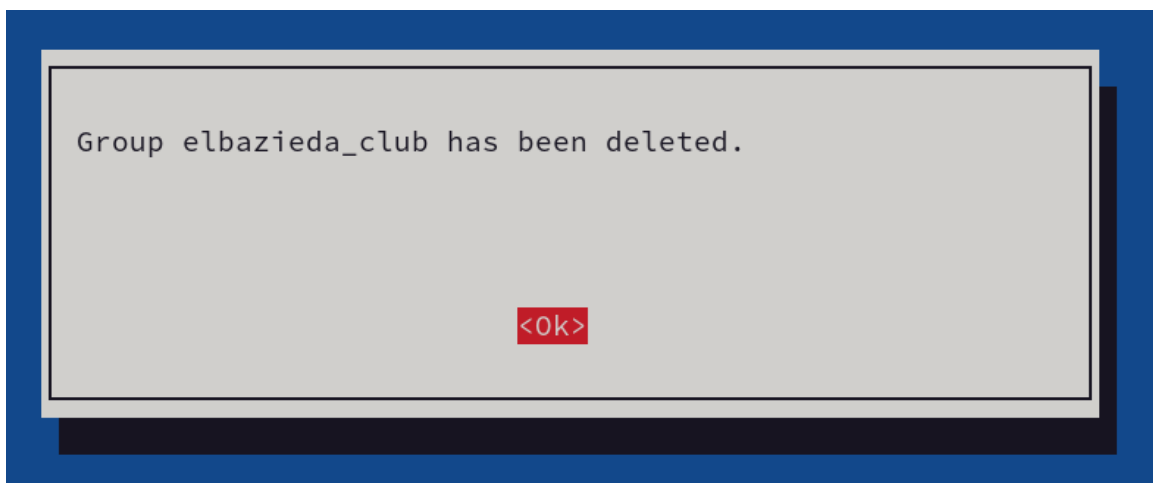
```
elbazieda_club group new GID is 2500




              <Ok>
```

Option 3 Delete Group

```
Group elbazieda_club has been deleted.




              <Ok>
```

6th Main Manu Option

List Groups

```
┌───────────────────────────────| Groups |───────────────────────────────┐
│                                                                       ↑ │
│   rtkit                                                                 │
│   sgx                                                                   │
│   libstoragemgmt                                                        │
│   systemd-oom                                                           │
│   geoclue                                                               │
│   tss                                                                   │
│   cockpit-ws                                                            │
│   cockpit-wsinstance                                                    │
│   colord                                                                │
│   sssd                                                                  │
│   setroubleshoot                                                        │
│   pipewire                                                              │
│   flatpak                                                               │
│   clevis                                                                │
│   brlapi                                                                │
│   gdm                                                                   │
│   gnome-initial-setup                                                   │
│   sshd                                                                  │
│   chrony                                                                │
│   slocate                                                               │
│   dnsmasq                                                               │
│   tcpdump                                                               │
│   Abozied                                                             ▮ │
│   testuser                                                            ↓ │
│                                                                         │
│                              <Ok>                                       │
│                                                                         │
└─────────────────────────────────────────────────────────────────────────┘
```
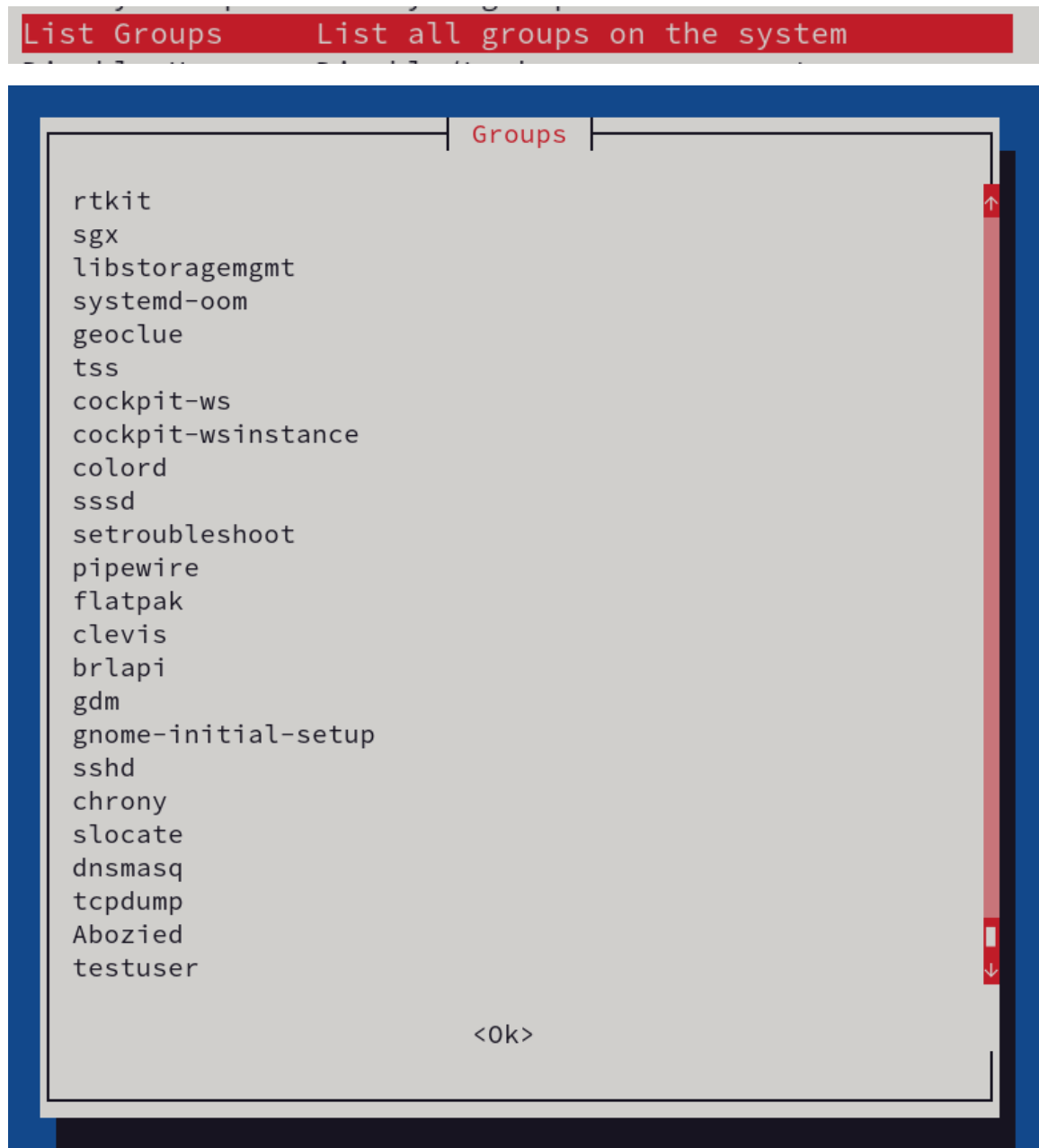
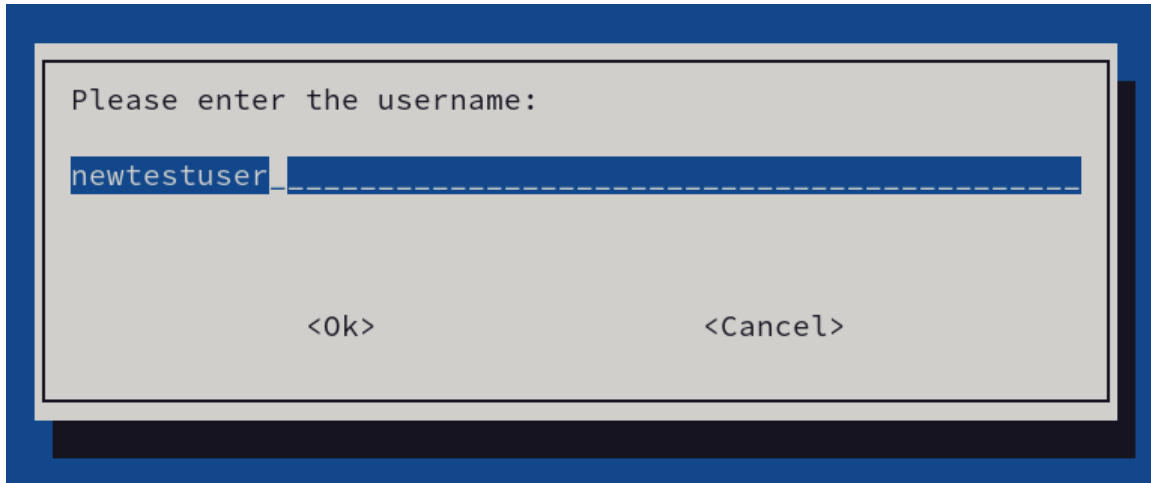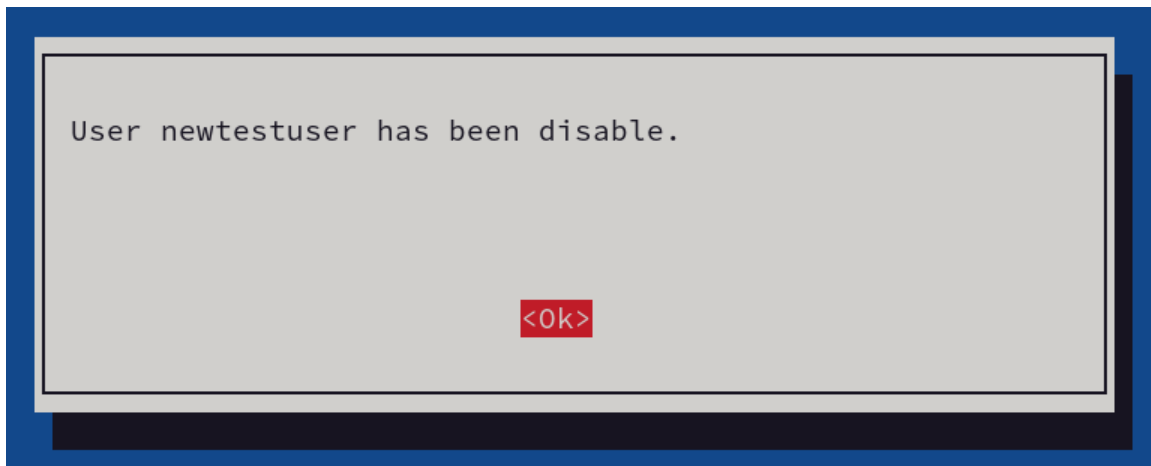7th Main Manu Option

Disable User

```
Disable User     Disable/Lock a user account
```

New user was added to test the next options [newtestuser]

```
Please enter the username:

newtestuser_____


          <Ok>                    <Cancel>
```
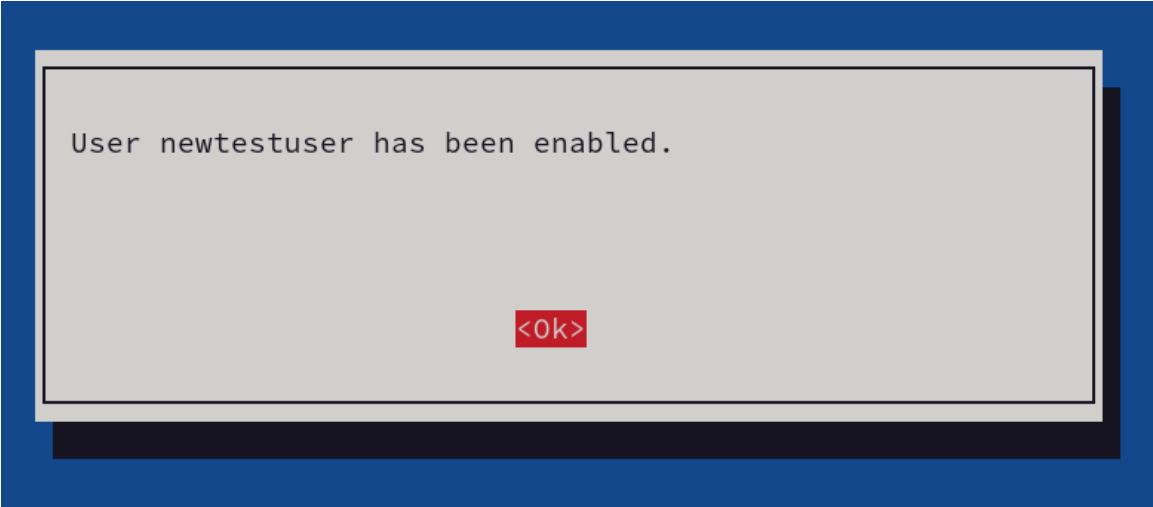
```
User newtestuser has been disable.




              <Ok>
```

7th Main Manu Option

Enable User

```
Enable User      Enable user account
```

```
User newtestuser has been enabled.



                    <Ok>
```

8th Main Manu Option

Change password


```
Change Password Change user password
```



```
   Password changed successfully



                    <Ok>
```
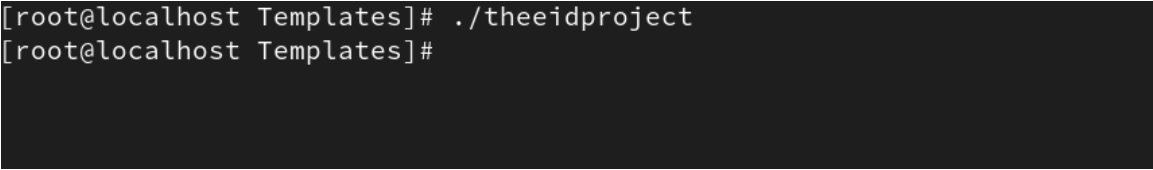
9th Main Manu Option

Exit


```
Exit              Exit the program
```

```
[root@localhost Templates]# ./theeidproject
[root@localhost Templates]#
```