



**BIRZEIT UNIVERSITY**

**Birzeit University**

**Department of Electrical & Computer Engineering**

**ENCS313 Linux Laboratory**

**Shell Scripting Project – Contact Management System**

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Sec#: 6

## Files Description:

- Contact.txt → This File contains the contacts details and information.
  - Project file → this file check if the contact.txt file exists or not, also we can run our project in Terminal using "./project" command.
  - Menu file → this file contains the user interface and all other commands and functions of add, delete, search and edit orders.
- 

We start the project file in this way:

```
saifbattah@saifbattah-VirtualBox:~/Desktop$ ./project
Enter Name of Contact File: contact.txt

**** Welcome to Contact Management System ****

                MAIN MENU
                =====
                [1] Add a new Contact
                [2] List all Contacts
                [3] Search for Contact
                [4] Edit a Contact
                [5] Delete a Contact
                [0] Exit
                =====
                Enter the choice:
```

[Now for example I've select 1:](#)

Enter random data:

```
Enter the choice:
1
-----
Adding A New Contact!!
-----
First Name:
Saif
Last Name:
Battah
Mobile Number:
0123456789
TelePhone Number:
012345678
email:
saif@gmail.com
```

Here it shows that First Name and Mobile Number are Necessary and the others are optional.

```
First Name:

First Name Is Nessessary!
Please enter correct name:
Andy
Last Name:

Mobile Number:

Mobile Number Is Nessessary!
Please enter correct Mobile Number [10 digits]:
0588888888
TelePhone Number:

email:
```

---

[Now for example I've select 2:](#)

List by first name

```
Enter the choice:
2

-----
Listing All Contacts
-----

List By?
-----
1) First Name.
2) Last Name.
Enter the choice:
1
Andy, , 0588888888; ,
Anna, Khalil, 0569345673, khalil@gmail.com
Aziz, Qaroush, 0599357111;092991111, aqaroush@birzeit.edu
ew, ewee, 1234567890; ,
Hussein, Shakour, 0595117071; , hbat@gmail.com
Saif, Battah, 0123456789; 012345678 , saif@gmail.com
Salem, , 0213423433; ,
```

List by Last Name

```
-----
Listing All Contacts
-----

List By?
-----
1) First Name.
2) Last Name.
Enter the choice:
2
Salem, , 0213423433; ,
Andy, , 0588888888; ,
Saif, Battah, 0123456789; 012345678 , saif@gmail.com
ew, ewee, 1234567890; ,
Anna, Khalil, 0569345673, khalil@gmail.com
Aziz, Qaroush, 0599357111;092991111, aqaroush@birzeit.edu
Hussein, Shakour, 0595117071; , hbat@gmail.com
```

[Now for example I've select 3:](#)

Search using combination of 2 fields

```
Enter the choice:
3
-----
Searching For a Contact!!!
-----
Enter Contact's info:
Saif Battah
Saif, Battah, 0123456789; 012345678 , saif@gmail.com
```

Search using one field

```
Enter the choice:
3
-----
Searching For a Contact!!!
-----
Enter Contact's info:
Saif
Saif, Battah, 0123456789; 012345678 , saif@gmail.com
```

Search using part of field

```
Enter the choice:
3
-----
Searching For a Contact!!!
-----
Enter Contact's info:
0123
Saif, Battah, 0123456789; 012345678 , saif@gmail.com
```

Now for example I've select 4:

```
Enter the choice:
4
-----
Editing a Contact!!!
-----
Enter Contact's info:
Saif
Saif, Battah, 0123456789; 012345678 , saif@gmail.com
Enter the thing you want to edit: Battah
Enter the new data: Shakour
```

Look how it has been updated!

```
Andy, , 0588888888; ,
Anna, Khalil, 0569345673, khalil@gmail.com
Aziz, Qaroush, 0599357111;092991111, aqaroush@birzeit.edu
ew, ewee, 1234567890; ,
Hussein, Shakour, 0595117071; , hbat@gmail.com
Saif, Shakour, 0123456789; 012345678 , saif@gmail.com
Salem, , 0213423433; ,
```

Now for example I've select 5:

```
=====
Enter the choice:
5

-----
Deleting a Contact!!!
-----
Enter Contact's First Name:
Saif
Aziz, Qaroush, 0599357111;092991111, aqaroush@birzeit.edu
Anna, Khalil, 0569345673, khalil@gmail.com
Hussein, Shakour, 0595117071; , hbat@gmail.com
Salem, , 0213423433; ,
ew, ewee, 1234567890; ,
Andy, , 0588888888; ,
```

Another time

```
Enter the choice:
5

-----
Deleting a Contact!!!
-----
Enter Contact's First Name:
Salem
Aziz, Qaroush, 0599357111;092991111, aqaroush@birzeit.edu
Anna, Khalil, 0569345673, khalil@gmail.com
Hussein, Shakour, 0595117071; , hbat@gmail.com
ew, ewee, 1234567890; ,
Andy, , 0588888888; ,
```

Another time

```
Enter the choice:
5

-----
Deleting a Contact!!!
-----
Enter Contact's First Name:
ew
Aziz, Qaroush, 0599357111;092991111, aqaroush@birzeit.edu
Anna, Khalil, 0569345673, khalil@gmail.com
Hussein, Shakour, 0595117071; , hbat@gmail.com
Andy, , 0588888888; ,
```

Now for example I've select 5:

```
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=====
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[2] List all Contacts
[3] Search for Contact
[4] Edit a Contact
[5] Delete a Contact
[0] Exit
=====
Enter the choice:
0
Bye
saifbattah@saifbattah-VirtualBox:~/Desktop$
```

Here the while loop breaks and the project is closed.

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Code idea will be explained in assignment discussion.