

USER MANUAL FACEBOOK DATABASE

MUHAMMAD HAMEEZ KHAN (TFBB32)

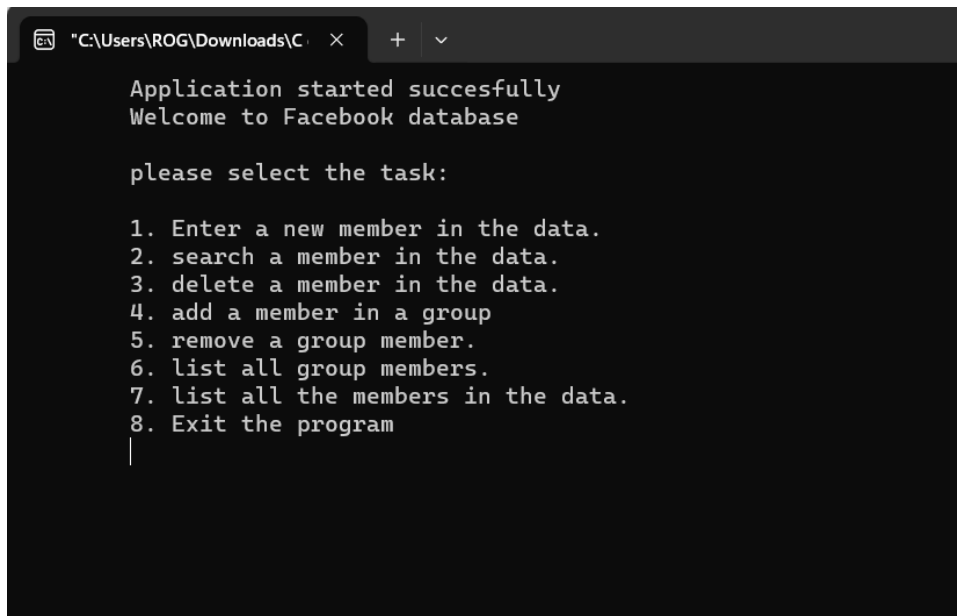
The program can perform the following tasks:

1.The program loads the previously saved data.

2.Print the menu.

The program asks the user regarding what to choose from the menu.

The user can choose among the 8 given choices

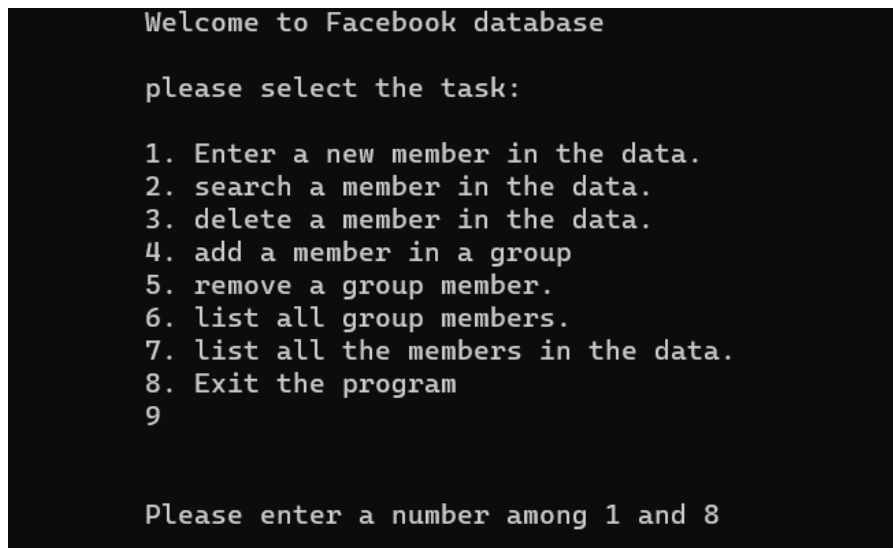
A screenshot of a terminal window with a dark background. The window title bar shows the file path "C:\Users\ROG\Downloads\C...". The terminal text reads: "Application started succesfully", "Welcome to Facebook database", "please select the task:", followed by a numbered list of 8 tasks. A cursor is visible on the line following the last task.

```
"C:\Users\ROG\Downloads\C... x + v
Application started succesfully
Welcome to Facebook database

please select the task:

1. Enter a new member in the data.
2. search a member in the data.
3. delete a member in the data.
4. add a member in a group
5. remove a group member.
6. list all group members.
7. list all the members in the data.
8. Exit the program
|
```

if the user chooses any other number other than 1 to 8 the program prints a warning message

A screenshot of a terminal window with a dark background. The terminal text reads: "Welcome to Facebook database", "please select the task:", followed by the same numbered list of 8 tasks as in the previous screenshot. Below the list, the number "9" is entered. At the bottom, a warning message is displayed: "Please enter a number among 1 and 8".

```
Welcome to Facebook database

please select the task:

1. Enter a new member in the data.
2. search a member in the data.
3. delete a member in the data.
4. add a member in a group
5. remove a group member.
6. list all group members.
7. list all the members in the data.
8. Exit the program
9

Please enter a number among 1 and 8
```

If a letter is given as input, then the program prints the same error warning.

```
Welcome to Facebook database

please select the task:

1. Enter a new member in the data.
2. search a member in the data.
3. delete a member in the data.
4. add a member in a group
5. remove a group member.
6. list all group members.
7. list all the members in the data.
8. Exit the program
a

Please enter a number among 1 and 8
```

3. Store the data of a member.

The program asks for the data of a member and stores it.

The program will ask for the details of the user step by step, and it will also ask whether the user wants to join a user in the group or not. Spaces and other characters are not accepted in the nickname, family name, given name and birthplace and the program will ask them again as long as the correct input is given

```
Welcome to Facebook database

please select the task:

1. Enter a new member in the data.
2. search a member in the data.
3. delete a member in the data.
4. add a member in a group
5. remove a group member.
6. list all group members.
7. list all the members in the data.
8. Exit the program
1
Enter nickname:kumar
Enter familyname:utkarsh
Enter givenname:mohit
Enter birthplace:jharkand
Enter date of birth(yy/mm/dd): 1999 02 26
Do you want to enter group?(Y/N):y
How many groups to add?:2
Enter group1: programming
Enter group2: engineering

Data registry succesful
```

The program gives an error message if an incorrect date is given. It will ask for the date as long as the user will enter incorrect date.

```
1
Enter nickname:kumar
Enter familyname:utkarsh
Enter givenname:mohit
Enter birthplace:jharkand
Enter date of birth(yy/mm/dd): 1999 13 02
Invalid date, please enter the date again : -1 02 26
Invalid date, please enter the date again : 1999 02 26
Do you want to enter group?(Y/N):n

Data registry succesful
```

4.The program can search for a member by either a member's family name or nick name or family name.

The program asks from the user which option to choose from

```
Welcome to Facebook database

please select the task:

1. Enter a new member in the data.
2. search a member in the data.
3. delete a member in the data.
4. list all members who were invited by a person.
5. list all the members in the data.
6. Exit the program
2
Please select among the following options:
1. Search by family name.
2. Search by nick name.
```

If the user asks to search by family name, then the program will ask for the family name to compare and search from and then the program will print every member that will have the same family name. If no user with the given family name is found, then the program will print that no user was found.

```
Please select among the following options:
1. Search by family name.
2. Search by nick name.
1
Enter family name:khan

NickName: Muhammad
familyName: khan
givenName: hameez
Birth Place: hyderabad
Date of Birth(yy/mm/dd): 2004/2/28
```

If the user asks to search by nick name, then the program will ask for the nick name to compare and search from and then the program will print every member that will have the same nick name.

If no user with the given nick name is found, then the program will print that no user was found.

```
Please select among the following options:
```

```
1. Search by family name.
```

```
2. Search by nick name.
```

```
2
```

```
Enter Nick name: muhammad
```

```
NickName: muhammad
```

```
familyName: hameez
```

```
givenName: khan
```

```
Birth Place: hyderabad'
```

```
Date of Birth(yy/mm/dd): 2003/10/1
```

5.The program can also delete a member

The program will ask for the user's nickname which must be deleted.

the program will delete the user and if no user is found with the given nick name, then the program will print that no user was found with the given data.

1. Enter a new member in the data.
 2. search a member in the data.
 3. delete a member in the data.
 4. add a member in a group
 5. remove a group member.
 6. list all group members.
 7. list all the members in the data.
 8. Exit the program
- 7

NickName: muhammad
familyName: khan
givenName: hameez
Birth Place: hyder
Date of Birth(yy/mm/dd): 2003/10/10
The user joined 1 group(s)
group1: erasmus_project

NickName: kumar
familyName: utkarsh
givenName: mohit
Birth Place: jharkand
Date of Birth(yy/mm/dd): 1999/2/26
The user joined 0 group(s)

Welcome to Facebook database

please select the task:

1. Enter a new member in the data.
2. search a member in the data.
3. delete a member in the data.
4. add a member in a group
5. remove a group member.
6. list all group members.
7. list all the members in the data.
8. Exit the program

3

Enter the nickname of the user to be deleted: muhammad
User deleted Welcome to Facebook database

```
please select the task:

1. Enter a new member in the data.
2. search a member in the data.
3. delete a member in the data.
4. add a member in a group
5. remove a group member.
6. list all group members.
7. list all the members in the data.
8. Exit the program
7
```

```
NickName: kumar
familyName: utkarsh
givenName: mohit
Birth Place: jharkand
Date of Birth(yy/mm/dd): 1999/2/26
The user joined 0 group(s)
-----
```

6.The program can add or remove a user from a group

The program can add or remove a user from the group.

It will ask for the nickname of the user and group which must be added or deleted. In case of adding, if user exists with the given nick name, then it will add the user in the group if it is not already in the group, if the user is already added in the group, then the program gives a message that user is already in the group. If there is no user with the nick name, then the program will give a message that no user with the given nick name exists.

For deleting a user from a group, the program will ask for the nickname and the group name, and the program will delete the user from the group if the user exists and is in the group and give message that the user was removed from group. If the user exists and the user is not in the group, then the program will give a message that the user is not in the group. If there is no user with the nick name, then the program will give a message that no user with the given nick name exists.

7.The program can list all the users

The program will list all the members

It will print the nickname family name given name birthplace and date of birth and groups of all the users

1. Enter a new member in the data.
 2. search a member in the data.
 3. delete a member in the data.
 4. add a member in a group
 5. remove a group member.
 6. list all group members.
 7. list all the members in the data.
 8. Exit the program
- 7

NickName: muhammad
familyName: khan
givenName: hameez
Birth Place: hyder
Date of Birth(yy/mm/dd): 2003/10/10
The user joined 1 group(s)
group1: erasmus_project

NickName: kumar
familyName: utkarsh
givenName: mohit
Birth Place: jharkand
Date of Birth(yy/mm/dd): 1999/2/26
The user joined 0 group(s)

8.The program can be exited.

Before exiting it will print a goodbye message

And it will store all the data.

```
Application started succesfully  
Welcome to Facebook database
```

```
please select the task:
```

1. Enter a new member in the data.
 2. search a member in the data.
 3. delete a member in the data.
 4. add a member in a group
 5. remove a group member.
 6. list all group members.
 7. list all the members in the data.
 8. Exit the program
- ```
8
```

```
Good Bye!
```

```
Process returned 0 (0x0) execution time : 2.565 s
Press any key to continue.
```