

Testing Report

Unit testing report:

```
./../bin/test

CUnit - A unit testing framework for C - Version 2.1-3
http://cunit.sourceforge.net/

Suite: suite for removing contact from a file ...
  Test: Test for removecontact() in sunny cases ... passed
  Test: Test for removecontact() in rainy cases ... passed
Suite: suite for changing group ...
  Test: Test for ToChgrp() in sunny cases ... passed
  Test: Test for ToChgrp() in rainy cases ... passed

Run Summary:      Type  Total    Ran  Passed  Failed  Inactive
                  suites    2      2    n/a      0        0
                  tests    4      4      4      0        0
                  asserts  20     20     20      0      n/a

Elapsed time =    0.001 seconds
```

Integration testing report:

Case 1:Anonymous user

```
$ make client
../bin/client
Enter the Username :
Enter the password :
anonymous user

Enter the subcommand :ADD
ADD command should have two fields

Enter the subcommand :ADD 1
ADD command should have two fields

Enter the subcommand :list
Anonymous user should provide only ADD subcommand

Enter the subcommand :ADD sai,9009989098
Contact added

Enter the subcommand :addgrp
Anonymous user should provide only ADD subcommand

Enter the subcommand :chgrp
Anonymous user should provide only ADD subcommand

Enter the subcommand :ADD Ayeshkanta,8909089988
Contact added

Enter the subcommand :bye

(kali@kali)-[~/Desktop/run_final/make]
```

Case 2:Authenticated user

```

└─$ make client
../bin/client
Enter the Username :sai nath
Enter the password :group6
authenticated user

Enter the subcommand :addgrp production
Authenticated users can only use ADD,rm,list,chgrp and bye/Bye subcommand
s
Enter the subcommand :addgrp or
Enter the subcommand :ADD virat,1234
Authenticated user can't add the data to the public group
Enter the subcommand :addgrp temp
Enter the subcommand :list a
Matching contacts:
ad1,del
Enter the subcommand :rmgrp temp
Group removed

Enter the subcommand :chgrp production 98976
Group changed inputs: name,phonenumber,filename

Enter the subcommand :ADD vinay,777788889076,production
Contact added to the given group

Enter the subcommand :list v,production
Matching contacts:grp,rmgrp,list,rm or ADD - subcommand only
vinay,7777888890
Enter the subcommand :list u,production
Matching contacts:
Enter the subcommand :list vin
Matching contacts:
vinay,7777888890
Enter the subcommand :rm arjita,public group
contact removed from the given group
Enter the subcommand :list q
No contacts with given pattern

Enter the subcommand :rm vinay_final/make
Contact removed

Enter the subcommand :list q
No contacts with given pattern

Enter the subcommand :bye

```

Case 3:Admin authenticated user

```

$ make client
../bin/client
Enter the Username :admin
Enter the password :1
admin@kali:~/Desktop/run_final/make$

Enter the subcommand :chgrp production
Admin can give addgrp,rmgrp,list,rm or ADD (subcommand only)

Enter the subcommand :addgrp hr,6378998976
Group added

Enter the subcommand :addgrp temp
Group added
/bin/c: writing error:/home/kali/Desktop/run_final/make/./bin/c
entmain.gcd:overwriting an existing profile data with a different
Enter the subcommand :rmgrp temp
Group removed

~/Desktop/run_final/make$
Enter the subcommand :ADD utkarsh,6378998976
Provide three inputs name,phonenummer,filename

Enter the subcommand :ADD utkarsh,6378998976,production
contact added to the given group

Enter the subcommand :kist u,production
Admin can give addgrp,rmgrp,list,rm or ADD (subcommand only)

Enter the subcommand :list u,production
Matching contacts:
utkarsh,6378998976 ~/Desktop/run_final/make/

~/Desktop/run_final/make$
~/bin/server
Enter the subcommand :rm arpita,public group
contact removed from the given group

Got a connection
Enter the subcommand :bye

```

