

Testing Report

Unit testing report:

```
Devil CUnit - A unit testing framework for C - Version 2.1-3
http://cunit.sourceforge.net/
File System
Unit Test
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
Suite: suite for adding contact ...
  Test: Test for AuthenticatedAddData() in sunny cases ... passed
  Test: Test for AuthenticatedAddData() in rainy cases ... passed
Suite: suite for listing contact ...
  Test: Test for Tolistcontact() in sunny cases ... passed
  Test: Test for Tolistcontact() in rainy cases ... passed

Run Summary:      Type  Total    Ran  Passed  Failed  Inactive
                suites    4      4    n/a     0       0
                tests    8      8     8       0       0
                asserts  24     24    24       0     n/a

Elapsed time =    0.002 seconds
```

Integration testing report:

IT_01:

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

Enter the subcommand :ADD
ADD command should have two fields
~/Desktop/run_final/make:
Enter the subcommand :ADD 1
ADD command should have two fields
~/Desktop/run_final/make:
Enter the subcommand :list
Anonymous user should provide only ADD subcommand
~/Desktop/run_final/make:
Enter the subcommand :ADD sai,9009989098
Contact added
~/Desktop/run_final/make:
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
```

IT_01, IT_02, IT_05, IT_06:

```
└─$ 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 hr
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 arpit,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
```

IT_01, IT_02, IT_03, IT_04, IT_06:

```
$ make client
../bin/client
Enter the Username :admin
Enter the password :1
admin@ms:~$

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
Enter the subcommand :rmgrp temp
Group removed

Enter the subcommand :ADD utkarsh,6378998976
Provide three inputs name,phonenum,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

Enter the subcommand :rm arpita,public group
contact removed from the given group

Enter the subcommand :bye
```