To show the user communication and the use of this app, the following images related to establishing and sending messages between three friends named Zahra, Mona and Saba are given, which in this example, the features of registration, friend list, private message, conference message, login to the user account successfully, failure to login to the account and the message file are shown. Also, received messages are displayed in blue.

Zahra:

```
[4] Connecting to 127.0.0.1:5002...
[4] Connected.
Hello and Welcome <3
Enter your name for signing up (it has to be unique and only letters): Zahro
Enter your password: 5078zahro
sign up Successfully! You can send massages now
select between q for quit, m for message, f for friend list, c for conference: m
enter receiver name: saho
entered name does not belong to your friend list... you can add it by entering f
select between q for quit, m for message, f for friend list, c for conference: f

enter your new friend name, to exit this section enter q, to delete a friend name enter d: saho
added successfully!
select between q for quit, m for message, f for friend list, c for conference: m
enter receiver name: sabo
ni saho, this is zahro
select between q for quit, m for message, f for friend list, c for conference:
[2022-07-03 21:58:23] saba: hi zahra how are you?
enter receiver name: sabo
im pond
select between q for quit, m for message, f for friend list, c for conference:
Conference->[2022-07-03 21:58:23] saba: hi zahra how are you?
enter receiver name: sabo
im pond
select between q for quit, m for message, f for friend list, c for conference:
Conference->[2022-07-03 21:58:24] mona: hello saba and zahra, this is mona!
```

```
enter receiver name: $400
entered name does not belong to your friend list... you can add it by entering f
select between q for quit, m for message, f for friend list, c for conference: f

enter your new friend name, to exit this section enter q, to delete a friend name enter d: $400
added successfully!
select between q for quit, m for message, f for friend list, c for conference: m
enter receiver name: $400
nl $400, this is zentro
select between q for quit, m for message, f for friend list, c for conference:
[2022-09-03 21:58:23] saba: hi zahra how are you?

enter receiver name: $400
select between q for quit, m for message, f for friend list, c for conference:
Conference->[2022-07-03 21:58:40] mona: hello saba and zahra, this is mona!

Conference->[2022-07-03 22:06:55] saba: hey, sorry i have to leave

saba is out.

enter message (for leaving the conference enter quit): ni is sorry i will make mather conf soon
select between q for quit, m for message, f for friend list, c for conference: enter message (for leaving the conference enter quit): nuit
select between q for quit, m for message, f for friend list, c for conference: enter message (for leaving the conference enter quit): nuit
select between q for quit, m for message, f for friend list, c for conference:
enter message (for leaving the conference enter quit): nuit
select between q for quit, m for message, f for friend list, c for conference:
enter message (for leaving the conference enter quit): nuit
select between q for quit, m for message, f for friend list, c for conference:
enter message (for leaving the conference enter quit): nuit
select between q for quit, m for message, f for friend list, c for conference:
enter message (for leaving the conference enter quit): nuit
select between q for quit, m for message, f for friend list, c for conference:
enter message (for leaving the conference enter quit): nuit
select between q for quit, m for message, f for friend list, c for conference:
```

Saba:

Mona:

Server:

Friends list:

Saba:



Zahra:

```
in zahra's friends - Notepad
File Edit Format View Help
File Edit Format Vi
```

Mona:



Messages:

Zahra:

Saba:

Mona:

```
mona - Notepad

File Edit Format View Help
Conference->[2022-07-03 18:50:48] mona: this is mona, hello saba and zahra
Conference->[2022-07-03 18:55:03] mona: what happened?
[2022-07-03 19:08:00] mona: are you ok?
Conference->[2022-07-03 19:11:46] mona: great!
```

Login:

Unsuccessful:

```
[*] Connecting to 127.0.0.1:5002...

[*] Connected.

Hello and Welcome <3

For sign up enter s and for login enter l: L

Enter your name for logging in (it has to be only letters) : sabe

saba or password : 125000

saba or password is incorrect! Try again later...

[*] Disconnected.

Process finished with exit code 0
```

Successful:

```
[*] Connecting to 127.0.0.1:5002...

[*] Connected.

Hello and Welcome <3
For sign up enter s and for login enter l: l

Enter your name for logging in (it has to be only letters) : subs

Enter your password : 12650000
Login Successfully! You can send massages now
select between q for quit, m for message, f for friend list, c for conference: m
enter receiver name: 10hru
in Book :)
select between q for quit, m for message, f for friend list, c for conference:
```