

Screenshots for Social Media Simulator

Login Validation. Runs in an infinite while loop until the user hits exit.

```
Welcome To
 [   ] [   ] [   ] [   ]
 [   ] [   ] [   ] [   ]
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e
Snahpyn Whats Happenin!
=====
1. Login
2. Register
3. Exit
Enter your choice: 1
=====Login=====
Enter username : jan
Enter password : jane2
Wrong password
=====
Invalid Login Credentials. Try Again.
1. Login
2. Register
3. Exit
Enter your choice: 1
=====Login=====
Enter username : jan
Enter password : jan3
=====
Successfully logged in!
```

Registration. It checks if the username already exists and prompts the user if it exists.

```
=====
1. Login
2. Register
3. Exit
Enter your choice: 2
=====Register=====
Enter your username: jan
Such a user already exists!. Please try again with a different name.
Do you wish to exit? (1 for no/ -1 for exit): 1
Enter your username: han
Enter your email id:
han@gmail.com
Enter your password:
han123
you have successfully registered.
1. Login
2. Register
3. Exit
Enter your choice: 1
=====Login=====
Enter username : han
Enter password : han123
=====
Successfully logged in!
```

Main menu

```
1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 2
```

Feed Recommendation. Powered by similarities between users and location closeness.

```
Here are the recommended posts.
```

```
=====Post=====
```

```
Content: Example post 4 from naren
```

```
Author: naren
```

```
Likes: 0
```

```
Shares: 0
```

```
=====
```

```
1. Next
```

```
2. Prev
```

```
3. Interact
```

```
4. Display Comment section
```

```
5. Exit
```

```
Enter your choice : 1
```

```
=====Post=====
```

```
Content: Example post 8 from naren
```

```
Author: naren
```

```
Likes: 0
```

```
Shares: 0
```

```
=====
```

```
1. Next
```

```
2. Prev
```

```
3. Interact
```

```
4. Display Comment section
```

```
5. Exit
```

```
Enter your choice : █
```

Recommended posts are stored in a doubly linked list.

```
=====Post=====
```

```
Content: Example post 4 from naren
Author: naren
Likes: 0
Shares: 0
```

```
=====
1. Next
2. Prev
3. Interact
4. Display Comment section
5. Exit
```

```
Enter your choice : 1
```

```
=====Post=====
```

```
Content: Example post 8 from naren
Author: naren
Likes: 0
Shares: 0
```

```
=====
1. Next
2. Prev
3. Interact
4. Display Comment section
5. Exit
```

```
Enter your choice : 2
```

```
=====Post=====
```

```
Content: Example post 4 from naren
Author: naren
Likes: 0
Shares: 0
```

```
=====
1. Next
2. Prev
3. Interact
4. Display Comment section
5. Exit
```

```
Enter your choice : █
```

Liking the post. Behind the hood, it also makes sure that a post is not liked twice by the same user.

- 1. Next
- 2. Prev
- 3. Interact
- 4. Display Comment section
- 5. Exit

Enter your choice : 3

Interactions available:

- 1.Like Post
- 2.Comment on post
- 3.Share Post
- 4.Exit

Choose your interaction:1

=====Post=====

Content: Example post 4 from naren

Author: naren

Likes: 1

Shares: 0

- =====
- 1. Next
 - 2. Prev
 - 3. Interact
 - 4. Display Comment section
 - 5. Exit

Enter your choice : ■

Commenting on a post. Comments are stored in a graph (one for each post). DFS on the graph makes sure that parent-child relationships are maintained properly while printing.

```
Interactions available:
```

- 1.Like Post
- 2.Comment on post
- 3.Share Post
- 4.Exit

```
Choose your interaction:2
```

```
Enter the comment to post: this is a sample comment
```

```
=====Post=====
```

```
Content: Example post 8 from naren
```

```
Author: naren
```

```
Likes: 1
```

```
Shares: 1
```

```
=====
```

```
1. Next
```

```
2. Prev
```

```
3. Interact
```

```
4. Display Comment section
```

```
5. Exit
```

```
Enter your choice : 4
```

```
Displaying all the comments
```

```
+-----+-----+
```

```
| Comment ID: 0
```

```
| @jan (3 seconds ago)
```

```
| this is a sample comment
```

```
+-----+-----+
```

```
1. Reply to a comment
```

```
2. Exit
```

```
Enter your choice:
```

Replying to a comment

```
1. Reply to a comment
2. Exit
Enter your choice: 1
Enter the Comment ID: 0
Enter the Comment: reply to jan
Displaying all the comments
+-----+
| Comment ID: 0
| @jan (43 seconds ago)
| this is a sample comment
+-----+
+-----+
| Comment ID: 1
| @jan (0 seconds ago)
| reply to jan
+-----+
1. Reply to a comment
2. Exit
Enter your choice: 1
Enter the Comment ID: 1
Enter the Comment: reply to jan again.
Displaying all the comments
+-----+
| Comment ID: 0
| @jan (1 minutes ago)
| this is a sample comment
+-----+
+-----+
| Comment ID: 1
| @jan (20 seconds ago)
| reply to jan
+-----+
+-----+
| Comment ID: 2
| @jan (0 seconds ago)
| reply to jan again.
+-----+
```

Interaction of multiple users on a comment thread.

```
Enter your choice: 1
=====
=====Login=====
Enter username : jan3
Enter password : jan3
=====
Successfully logged in!
```

Displaying all the comments

```
+-----+
| Comment ID: 0
| @jan3 (2 minutes ago)
| sample comment
+-----+
```

1. Reply to a comment
2. Exit

Enter your choice: 1

Enter the Comment ID: 0

Enter the Comment: follow up on the previous comment

Displaying all the comments

```
+-----+
| Comment ID: 0
| @jan3 (3 minutes ago)
| sample comment
+-----+
```

```
+-----+
| Comment ID: 1
| @jan3 (0 seconds ago)
| follow up on the previous comment
+-----+
```

1. Reply to a comment
2. Exit

Enter your choice:

```
1. Reply to a comment
2. Exit
Enter your choice: 1
Enter the Comment ID: 1
Enter the Comment: comment to jan3. nice one.
Displaying all the comments
+-----+
| Comment ID: 0
| @jan3 (4 minutes ago)
| sample comment
+-----+

+-----+
| Comment ID: 1
| @jan3 (60 seconds ago)
| follow up on the previous comment
+-----+

+-----+
| Comment ID: 2
| @naren (0 seconds ago)
| comment to jan3. nice one.
+-----+

1. Reply to a comment
2. Exit
Enter your choice: █
```

Sharing a post and navigating to the conversation section to view it.
Sharing option opens up the conversations that the user is a part of.

```
=====
1. Next
2. Prev
3. Interact
4. Display Comment section
5. Exit
Enter your choice : 3
Interactions available:
1.Like Post
2.Comment on post
3.Share Post
4.Exit

Choose your interaction:3
Share with the following conversations
1. Conversation among
a. naren
b. jan
2. Community : CSK (Requires approval from the admin)
3. Community : Berlin (Free to Join)
Enter your choice (0 to exit): 1
Post successfully shared!
Share with the following conversations
1. Conversation among
a. naren
b. jan
2. Community : CSK (Requires approval from the admin)
3. Community : Berlin (Free to Join)
Enter your choice (0 to exit):
```

Navigating to the conversations section.

=====Post=====

Content: Example post 1 from jan

Author: jan

Likes: 0

Shares: 1

=====

1. Next
2. Prev
3. Interact
4. Display Comment section
5. Exit

Enter your choice : 5

1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit

Enter your choice: 5

1. Conversation among
a. naren
b. jan
2. Community : CSK (Requires approval from the admin)
3. Community : Berlin (Free to Join)

Enter your choice (0 to exit):

1

Shared post in the Direct messaging conversation between jan and naren.

```
=====
          Direct Messages
=====
|=====
|           participants' details
|=====
Username : naren
Username : jan
=====
=====Post=====
Post by:naren
Example post 1 from jan
=====
=====
1. Send a Message
2. Back
Enter your choice: 1
Preparing message for naren
What type of message do you wish to send?
  1.Normal text
  2.Emojified text
  3.Image
  4.Audio
  5.Video
  6.Gif
Your choice : 2
Enter text: nice post :laugh
=====
=====
          Direct Messages
=====
|=====
|           participants' details
|=====
Username : naren
Username : jan
=====
=====Post=====
Post by:naren
Example post 1 from jan
=====
=====
naren : nice post 😂
=====
1. Send a Message
2. Back
Enter your choice:
```

Post reporting interface

```
=====
          Post reporting interface
=====
Post Details:

Post ID: User1_Sun Jun  2 23:21:04 2024

Content: Hello
Author: User1
Location:
Likes: 0
Shares: 0
Do you wish to report this post? (y/n)y
Post has been reported
Necessary actions will be taken by the admin
```

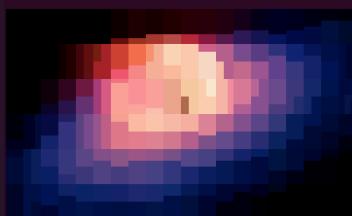
Viewing user's profile

```
1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 3
=====Profile=====
You have not added profile picture
@naren
Email: naren@gmail.com
No bio available
=====
1. Display my posts.
2. Display saved posts.
3. Add a Profile picture.
4. Add a bio.
5. Exit
Enter your choice : 
```

Changing the profile photo.

Image rendered using terminal image viewer program.

```
1. Display my posts.  
2. Display saved posts.  
3. Add a Profile picture.  
4. Add a bio.  
5. Exit  
Enter your choice : 3  
Enter the image path: images/bh.jpeg  
Profile picture changed!  
1. Display my posts.  
2. Display saved posts.  
3. Add a Profile picture.  
4. Add a bio.  
5. Exit  
Enter your choice : 5  
  
1. Creation tasks  
2. View your recommended feed  
3. View your profile  
4. View your friends  
5. View your DMs, Groups, Communities  
6. Do admin work on your communities  
7. View your notifications  
8. View your stories  
9. View your recommendations  
10. Search activities  
11. Go Back  
12. Exit  
Enter your choice: 3  
=====Profile=====  
=====Image=====
```

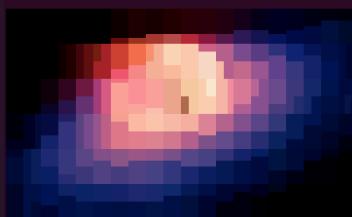


```
=====  
@naren  
Email: naren@gmail.com  
No bio available  
=====
```

Updating the biography of the user.

```
=====
1. Display my posts.
2. Display saved posts.
3. Add a Profile picture.
4. Add a bio.
5. Exit
Enter your choice : 4
Enter your bio: A veteran in RPGs
Bio updated successfully.
1. Display my posts.
2. Display saved posts.
3. Add a Profile picture.
4. Add a bio.
5. Exit
Enter your choice : 5

1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 3
=====Profile=====
=====Image=====
```



```
=====
@naren
Email: naren@gmail.com
Bio: A veteran in RPGs
=====
1. Display my posts
```

Creating a post. Navigation starts by checking the first option in the main menu.

```
Creation Tasks Menu:  
1. Create post  
2. Create a Direct messaging conversation  
3. Create a community  
4. Create a group with your friends  
5. Create a story  
6. Create polls  
7. Go back  
8. Exit  
Enter your choice: 1  
Create a Post  
Enter the content of the post: a sample post from naren - 10  
Enter the location of the post (space seperated latitude and longitude values): 13 80  
Does your post contain multimedia(1:Yes,0>No):1  
Multimedia Posts:  
1.Image Post  
2.Video Post  
Select the type of media to post:1  
Enter the path of the image: images/images.jpeg
```

Viewing the created post in my posts section of my profile.

```
=====  
@naren  
Email: naren@gmail.com  
Bio: A veteran in RPGs  
=====  
1. Display my posts.  
2. Display saved posts.  
3. Add a Profile picture.  
4. Add a bio.  
5. Exit  
Enter your choice : 1  
=====Post=====  
By (naren)  
=====Image=====  
  
=====  
a sample post from naren - 10  
=====
```

A post created immediately affects the post feed recommendation of other users.

Navigation through the recommended feed:

```
Returning to Main Menu.
```

- 1. Login
- 2. Register
- 3. Exit

```
Enter your choice: 1
```

```
=====Login=====
```

```
Enter username : jan
```

```
Enter password : jan3
```

```
=====
```

```
Successfully logged in!
```

- 1. Creation tasks
- 2. View your recommended feed
- 3. View your profile
- 4. View your friends
- 5. View your DMs, Groups, Communities
- 6. Do admin work on your communities
- 7. View your notifications
- 8. View your stories
- 9. View your recommendations
- 10. Search activities
- 11. Go Back
- 12. Exit

```
Enter your choice: 2
```

```
Here are the recommended posts.
```

```
=====Post=====
```

```
Content: Example post 2 from jan3
```

```
Author: jan3
```

```
Likes: 0
```

```
Shares: 0
```

```
=====
```

- 1. Next
- 2. Prev
- 3. Interact
- 4. Display Comment section
- 5. Exit

```
Enter your choice : 1
```

Created post in the other's recommended feed.

```
Enter your choice : 1
=====Post=====
=====Image=====
```



```
=====
Content: a sample post from naren - 10
Author: naren
Likes: 0
Shares: 0
```

- ```
=====
1. Next
2. Prev
3. Interact
4. Display Comment section
5. Exit
Enter your choice :
```

Friend's viewing section. This enables the option to view their profile.

```
1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 4
1. jan
2. jan3
Enter the friend name: (-1 to exit): jan
1. Display profile
2. Exit
Enter your choice: 1
```

Viewing a friend's profile. Like Instagram, an option is available to view their posts.

```
=====Profile=====
jan has no profile picture
@jan
Email: jan@gmail.com
No bio available
=====
1. Display their posts
2. Exit
Enter your choice: 1
=====Post=====
By (jan)
Example post 1 from jan
=====
Post
```

Viewing the logged in user's conversations. It includes their DM conversations, Group conversations and community conversations.

```
1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 5
1. Conversation among
a. naren
b. jan
2. Community : CSK (Requires approval from the admin)
3. Community : Berlin (Free to Join)
Enter your choice (0 to exit):
1
```

Any type of conversation allows you to send multitude of multimedia as follows.

```
=====
 Direct Messages
=====
|=====
| participants' details
|=====
Username : naren
Username : jan
=====
=====
1. Send a Message
2. Back
Enter your choice: 1
Preparing message for naren
What type of message do you wish to send?
 1.Normal text
 2.Emojified text
 3.Image
 4.Audio
 5.Video
 6.Gif
Your choice : 2
Enter text: hi :bull
=====
=====
 Direct Messages
=====
|=====
| participants' details
|=====
Username : naren
Username : jan
=====
naren : hi 🐂
=====
1. Send a Message
2. Back
Enter your choice: █
```

Creating a request based community. Any user, wishing to join this community, has to send a request to the admins.

This is the community creation interface.

```
Creation Tasks Menu:
1. Create post
2. Create a Direct messaging conversation
3. Create a community
4. Create a group with your friends
5. Create a story
6. Create polls
7. Go back
8. Exit
Enter your choice: 3
Welcome to the community creation interface.
Select the type of community you wish to create.
1. Request based community
2. Free join community
3. Exit
Enter your choice : 1
Remember that with great power comes great responsibilities.
Enter the name of your community:
Harry potter
Give a description about your community (helps us power our recommendation system):
a magic filled story of wand and wizards
You have successfully created the community Harry potter
```

Another user attempts to join the newly created community (Harry Potter).

```
1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 10
1.Search User
2.Search Community
3.Exit
Enter your choice: 2
1 Harry potter (Admin approval required)
2 CSK (Admin approval required)
3 Berlin (Free to Join)
4 London (Free to Join)
5 New York (Free to Join)
6 Birds (Free to Join)
Enter your choice: 1
Joining the community...
Request sent to the admin.
```

Request is sent to the admin's request queue where they can either accept or reject it.

```
=====
=====Login=====
Enter username : naren
Enter password : naren3
=====
Successfully logged in!

1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 6
1 . Community: Harry potter
2 . Community: CSK
Enter your choice (0 to exit) : 1
Here is the status of the request queue
Request 1 jan
Do you wish to add jan ? (y/n) y
```

Once approved, the conversation gets listed in the personal conversations.

```
Enter your choice: 1
=====
=====Login=====
Enter username : jan
Enter password : jan3
=====
Successfully logged in!

1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 5
1. Community : Harry potter (Requires approval from the admin)
2. Conversation among
a. naren
b. jan
3. Community : Animals (Free to Join)
```

This approval also goes to the notifications section of the user.

```
1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 7
1 .You have been added to the community Harry potter. Welcome aboard!(4 minutes ago)
2 .You got a message from the DM with naren(11 minutes ago)
3 .You have a new notification (3 notifications)
```

Servicing the notifications. This opens up the conversation that sent the notification.

```
Enter your choice: 7
1 .You have been added to the community Harry potter. Welcome aboard!(4 minutes ago)
2 .You got a message from the DM with naren(11 minutes ago)
Select a notification (0 to exit) 2
=====
 Direct Messages
=====
|=====
| participants' details
|=====
Username : naren
Username : jan
=====
naren : hi 🐐
=====
1. Send a Message
2. Back
Enter your choice: 1
Preparing message for jan
What type of message do you wish to send?
 1.Normal text
 2.Emojified text
 3.Image
 4.Audio
 5.Video
 6.Gif
Your choice : 2
Enter text: ukw, I just found a new variety of :mushroom
=====
 Direct Messages
=====
|=====
| participants' details
|=====
Username : naren
Username : jan
=====
naren : hi 🐐
jan : ukw, i just found a new variety of 🍄
=====
1. Send a Message
2. Back
Enter your choice: █
```

Community conversations have a restriction that only admins can message in this.

[OBJ]

```
1. Community : Harry potter (Requires approval from the admin)
2. Conversation among
a. naren
b. jan
3. Community : Animals (Free to Join)
Enter your choice (0 to exit):
1
=====
 Harry potter
=====
Description : a magic filled story of wand and wizards

|=====
| participants' details
|=====
 Admins
1 : naren

 Normal Members
1 : jan

1. View community polls
2. View messages
3. Exit
Enter your choice: 3
Exiting..
1. Send a Message
2. Back
Enter your choice: 1
Preparing message for jan
What type of message do you wish to send?
1.Normal text
2.Emojified text
3.Image
4.Audio
5.Video
6.Gif
Your choice : 1
Enter text: Looking forward to a good experience
=====
Sorry! Only admins can post in this community
```

**Community recommendations.** User shall enter the expectations from the community and a couple of related communities pop us as suggestions.

```
1. View friend suggestions
2. View your community recommendations
3. Get tailor-made community suggestions based on your wish
4. Go back
5. Exit
Enter your choice: 3
Get tailor-made community suggestions
Describe what you expect (include keywords for better suggestions):
criket
We suggest you to join the following communities
1 . CSK
2 . KKR
```

More communities are needed for precise suggestions.

```
Wish to join any of these communities (-1 for no/ specify the number of community) : -1
1. View friend suggestions
2. View your community recommendations
3. Get tailor-made community suggestions based on your wish
4. Go back
5. Exit
Enter your choice: 3
Get tailor-made community suggestions
Describe what you expect (include keywords for better suggestions):
parrots
We suggest you to join the following communities
1 . Macaques
2 . Harry potter
Wish to join any of these Communities (-1 for no/ specify the number of community) : 1
Request has been sent to the admin!
```

```
Wish to join any of these communities (-1 for no/ specifying the number of community) : -1
1. View friend suggestions
2. View your community recommendations
3. Get tailor-made community suggestions based on your wish
4. Go back
5. Exit
Enter your choice: 3
Get tailor-made community suggestions
Describe what you expect (include keywords for better suggestions):
magic
We suggest you to join the following communities
1 . Harry potter
2 . CSK
```

Second degree friends (friends of friends) are suggested to the user.

```
wish to join any of these communities (1 for no, specify the number of community) : 1
1. View friend suggestions
2. View your community recommendations
3. Get tailor-made community suggestions based on your wish
4. Go back
5. Exit
Enter your choice: 1
Your friend suggestions
Based on the analysis on your friends circle. Here are the top 2 friends we suggest
1 . nar2
2 . nar3
Who do you wish to be friends with (enter their username)? (-1 for exit) : nar2
Friend added successfully!
```

As the user adds a friend, the suggestions get dynamically updated.

```
1. View friend suggestions
2. View your community recommendations
3. Get tailor-made community suggestions based on your wish
4. Go back
5. Exit
Enter your choice: 1
Your friend suggestions
Based on the analysis on your friends circle. Here are the top 2 friends we suggest
1 . nar3
2 . nar4
Who do you wish to be friends with (enter their username)? (-1 for exit) : ■
```

Community recommendations are powered by the communities that a user is already a part of. Following shows two communities recommended for each of the communities that a user is part of.

The user is part of the communities:

1. Paris (so new york and berlin are recommended)
2. Giraffes (so animals is recommended)
3. Washington (so new york and berlin are recommended)
4. Harry Potter (no similar communities exits so none of the recommendations are valid).

```
Exiting..
1. View friend suggestions
2. View your community recommendations
3. Get tailor-made community suggestions based on your wish
4. Go back
5. Exit
Enter your choice: 2
Communities that we recommend
Iteration: 0
1 . New York (Free to Join)
2 . Berlin (Free to Join)
Iteration: 1
3 . Animals (Free to Join)
4 . New York (Free to Join)
Iteration: 2
5 . New York (Free to Join)
6 . Berlin (Free to Join)
Iteration: 4
7 . New York (Free to Join)
8 . London (Free to Join)
Wish to join a Conversation (-1 for no/ specify the number of community) : █
```

Searching for a user.

```
1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 10
1.Search User
2.Search Community
3.Exit
Enter your choice: 1
}Search user: naren
1 . naren
2 . nar2
3 . nar1
4 . nar4
5 . nar3
-- Enter user number: █
```

User can either view their profile and add them as a friend.

```
Enter user number: 1
1. Display Profile
2. Add as Friend
3.Exit
Enter your choice: 1
=====Profile=====
naren has no profile picture
@naren
Email: naren@gmail.com
No bio available
=====
1. Display their posts
2. Exit
Enter your choice:
```

Searching communities. Shows communities that the user is not a part of.

```
1.Search User
2.Search Community
3.Exit
Enter your choice: 2
1 CSK (Admin approval required)
2 London (Free to Join)
3 New York (Free to Join)
4 Birds (Free to Join)
Enter your choice: 1
Joining the community...
Request sent to the admin.
```

User gets added in CSK community.

```
=====Login=====
Enter username : naren
Enter password : naren3
=====
Successfully logged in!

1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 6
1 . Community: Harry potter
2 . Community: CSK
Enter your choice (0 to exit) : 2
Here is the status of the request queue
Request 1 nar2
Do you wish to add nar2 ? (y/n) y
Request 2 jan
Do you wish to add jan ? (y/n) y
```

Admin can create polls on communities.

Poll creation interface:

```
Creation Tasks Menu:
```

1. Create post
2. Create a Direct messaging conversation
3. Create a community
4. Create a group with your friends
5. Create a story
6. Create polls
7. Go back
8. Exit

```
Enter your choice: 6
```

```
Here are the communities that you're an admin of
```

- 1 . Harry potter
- 2 . CSK
- 3 . Berlin

```
Select a community (0 to exit): 2
```

```
Enter the title of the poll : IPL winner discussion
```

```
Enter question: Who will win this IPL?
```

```
Enter the number of options: 3
```

```
Enter the option 1: CSK
```

```
Enter the option 2: KKR
```

```
Enter the option 3: SRH
```

```
Poll added successfully
```

Any user shall interact with posts which is not the case with sending messages (only admins can send messages).

```
=====
 CSK
=====
Description : CSK - chennai's cricket team .

|=====
| participants' details
|=====
 Admins
1 : naren

 Normal Members
1 : nar2
2 : jan

1. View community polls
2. View messages
3. Exit
Enter your choice: 1
Here are the avaialble polls
1 . IPL winner discussion
Enter a choice (0 to exit): 1
Question: Who will win this IPL?
1. CSK
2. KKR
3. SRH
What do you wish to vote for? (0 to exit): 1
Voted successfully!
Results:
CSK: 1 votes
KKR: 0 votes
SRH: 0 votes
```

Poll interaction from another user.

```
=====
 CSK
=====
Description : CSK - chennai's cricket team .

|=====
| participants' details
|=====
 Admins
1 : naren

 Normal Members
1 : nar2
2 : jan

1. View community polls
2. View messages
3. Exit
Enter your choice: 1
Here are the avaialble polls
1 . IPL winner discussion
Enter a choice (0 to exit): 1
Question: Who will win this IPL?
1. CSK
2. KKR
3. SRH
What do you wish to vote for? (0 to exit): 3
Voted successfully!
Results:
CSK: 1 votes
KKR: 0 votes
SRH: 1 votes
```

Group creation interface. In this conversation type, any member can freely message.

Group creation interface. Group only allows friends to be the members(like instagram).

```
Creation Tasks Menu:
1. Create post
2. Create a Direct messaging conversation
3. Create a community
4. Create a group with your friends
5. Create a story
6. Create polls
7. Go back
8. Exit
Enter your choice: 4

Welcome to Group creation interface!
Enter the Group name (-1 to exit): Friends Forever
1 . jan3
2 . nar1
3 . nar2
Add friends' numbers (0 to exit or stop) :
: 3
Successfully added nar2
: 2
Successfully added nar1
: 0
Group successfully created
=====
 Group Friends Forever
=====
|=====|
| Participants' details |
|=====|
1 . jan (creator)
2 . nar2
3 . nar1
=====

1. Send a Message
2. Back
Enter your choice:
```

Group gets listed as personal conversations in the member's page.

```
=====Login=====
Enter username : nar1
Enter password : nar1password
=====
Successfully logged in!

1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 5
1. Group : Friends Forever
2. Community : London (Free to Join)
Enter your choice (0 to exit):
1
=====
 Group Friends Forever
=====
|=====
| Participants' details
|=====
1 . jan (creator)
2 . nar2
3 . nar1
=====
}From jan (17 seconds ago)
=====Audio=====
hi.mp3
=====
1. Send a Message
2. Back
Enter your choice:
```

User nar3 is now sending a message.

All multimedia messages automatically validate that the extensions are correct.

```
1. Send a Message
2. Back
Enter your choice: 1
Preparing message for nar1
What type of message do you wish to send?
1.Normal text
2.Emojified text
3.Image
4.Audio
5.Video
6.Gif
Your choice : 5
Enter path: hi.mp4
=====
=====
 Group Friends Forever
=====
|=====
| Participants' details
|=====
1 . jan (creator)
2 . nar2
3 . nar1
=====
From jan (52 seconds ago)
=====Audio=====
hi.mp3
=====
From nar1 (0 seconds ago)
=====Video=====
hi.mp4
=====
1. Send a Message
2. Back
Enter your choice: |
```

Creating two stories.

```
Story creation interface
1. Audio
2. Video
3. Image
4. Normal Text
5. Emojified Text
6. Exit
Enter the choice of your story: 3
Enter Image path: images/banana.jpeg
Story successfully created!
=====Story=====
From naren (0 seconds ago)
=====Image=====
```



```
=====
Number of likes : 0
=====
```

```
Story creation interface
1. Audio
2. Video
3. Image
4. Normal Text
5. Emojified Text
6. Exit
Enter the choice of your story: 5
Enter Text content: a special event :happy
Story successfully created!
=====Story=====
naren : a special event 😊
Number of likes : 0
=====
```

Stories are sent to the friends and stay alive for 24 hours.

```
=====Login=====
Enter username : jan
Enter password : jan3
=====
Successfully logged in!

1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 8
Stories for jan
=====Story=====
From naren (2 minutes ago)
=====Image=====
```



```
=====
Number of likes : 0
=====
Like this story? (y/n): █
```

```
=====Story=====
From naren (2 minutes ago)
=====Image=====
```



```
=====
Number of likes : 0
=====
Like this story? (y/n): y
1. Next story
2. Exit
Enter your choice
1
=====Story=====
naren : a special event 😊
Number of likes : 0
=====
Like this story? (y/n): █
```

Story expires after 860s (for testing purposes)  
Will be changed to 86400s in production.

No story is available.

```
1. Creation tasks
2. View your recommended feed
3. View your profile
4. View your friends
5. View your DMs, Groups, Communities
6. Do admin work on your communities
7. View your notifications
8. View your stories
9. View your recommendations
10. Search activities
11. Go Back
12. Exit
Enter your choice: 8
Stories for jan
1. Next story
2. Exit
Enter your choice
```

Creating a direct messaging conversation. This interface shows friend's username who are already not in a DM with the user

```
Creation Tasks Menu:
1. Create post
2. Create a Direct messaging conversation
3. Create a community
4. Create a group with your friends
5. Create a story
6. Create polls
7. Go back
8. Exit
Enter your choice: 2
Who do you wish to create a direct messaging conversation with?
You have not engaged in a DM with these friends:
1 . jan3
Select the user (their username) (-1 to exit): jan3
DM successfully created
=====
 Direct Messages
=====
|=====
| participants' details
|=====
Username : jan3
Username : naren
=====
1. Send a Message
2. Back
Enter your choice: 1
```

What type of message do you wish to send?

- 1.Normal text
- 2.Emojified text
- 3.Image
- 4.Audio
- 5.Video
- 6.Gif

Your choice : 1

Enter text: hi

---

---

Direct Messages

---

---

participants' details

---

---

Username : jan3

Username : naren

naren : hi

1. Send a Message

2. Back

Enter your choice: