

PROJECT REPORT

Students' work:

- Walaa Al-Hommadi
- Retaj Al-Qurashi
- Shawq Bawiyan
- Tala Al-Radady
- Layan Al-Rihili
- Nahla Al-Baqmi

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PROJECT DESCRIPTION:

It is a social media platform that contains several services, which are:

- 1- It allows the user to create an account
- 2- Create a post
- 3- Write a comment
- 4- Add likes to posts
- 5- Add likes to comments
- 6- Provide the feature of sending messages to other users of the platform
- 7- View messages sent to the user and the user who sent the message
- 8- View the post that the user wants to view
- 9- Delete the post that the user wants to delete
- 10- Exit the platform when finished

DIVISION OF LABOR:

Wala:

The report

ClassSocialMediaMain

Retaj:

Project Structure

ClassSocialMediaMain

Shooq:

Class\User & Message

Tala:

Class \Post & (Class diagram)

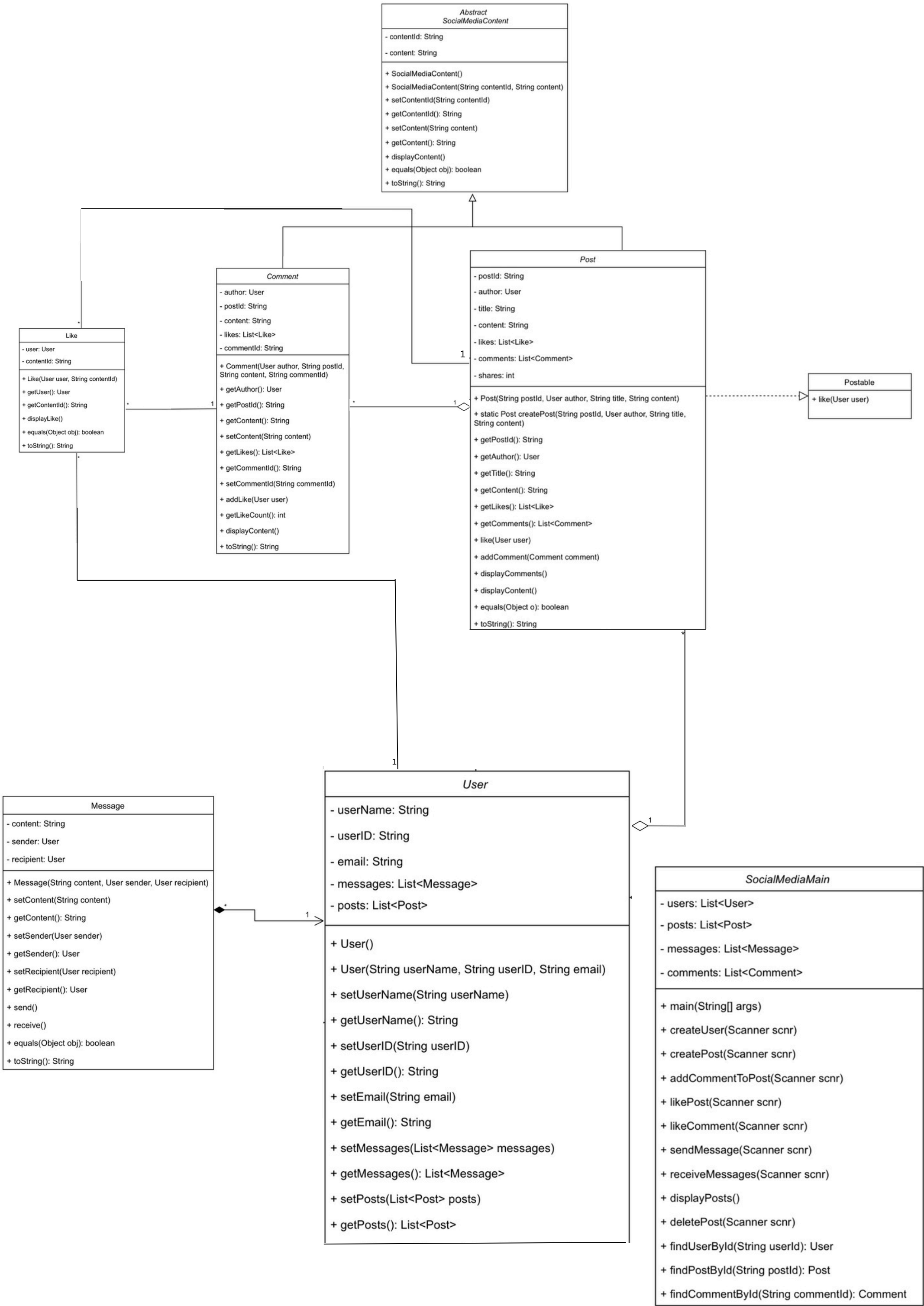
Layan:

Class ScoialContent &(Class diagram)

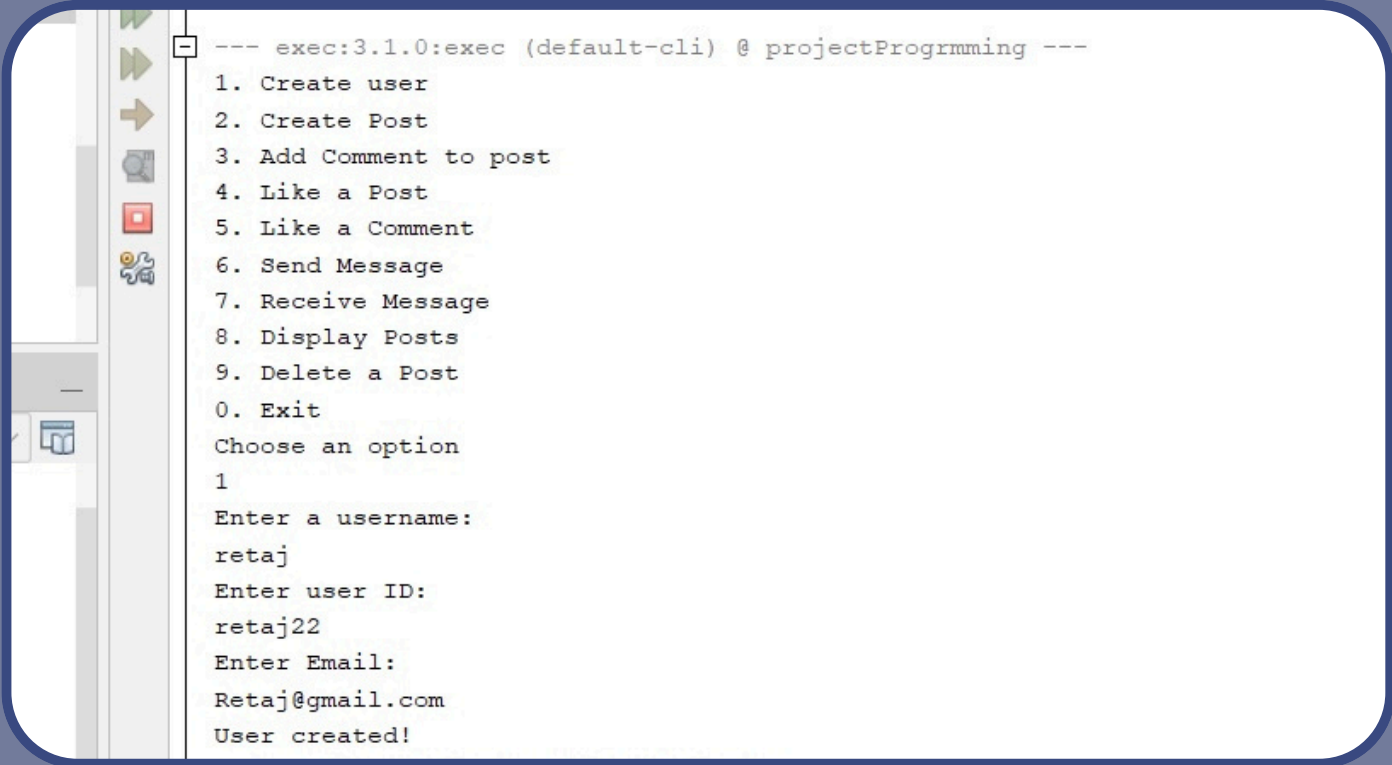
Nahla:

Class \ Like & Comment

CLASS DIGRAM:



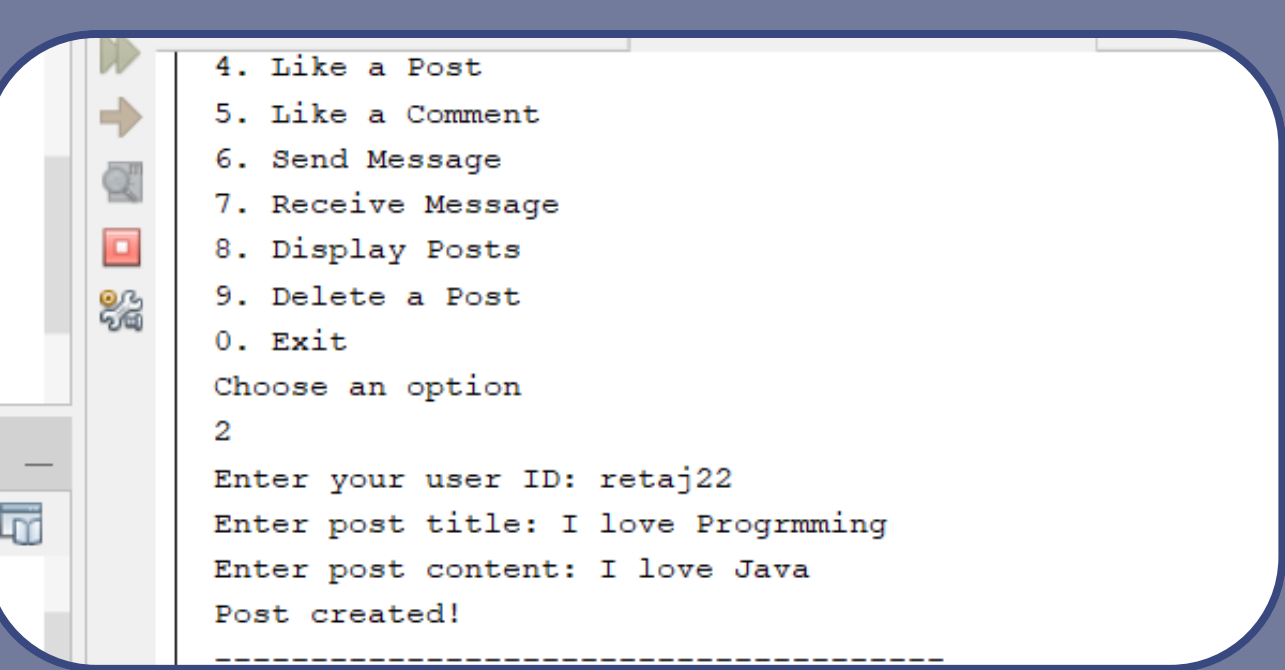
- *Here we have created a user:*



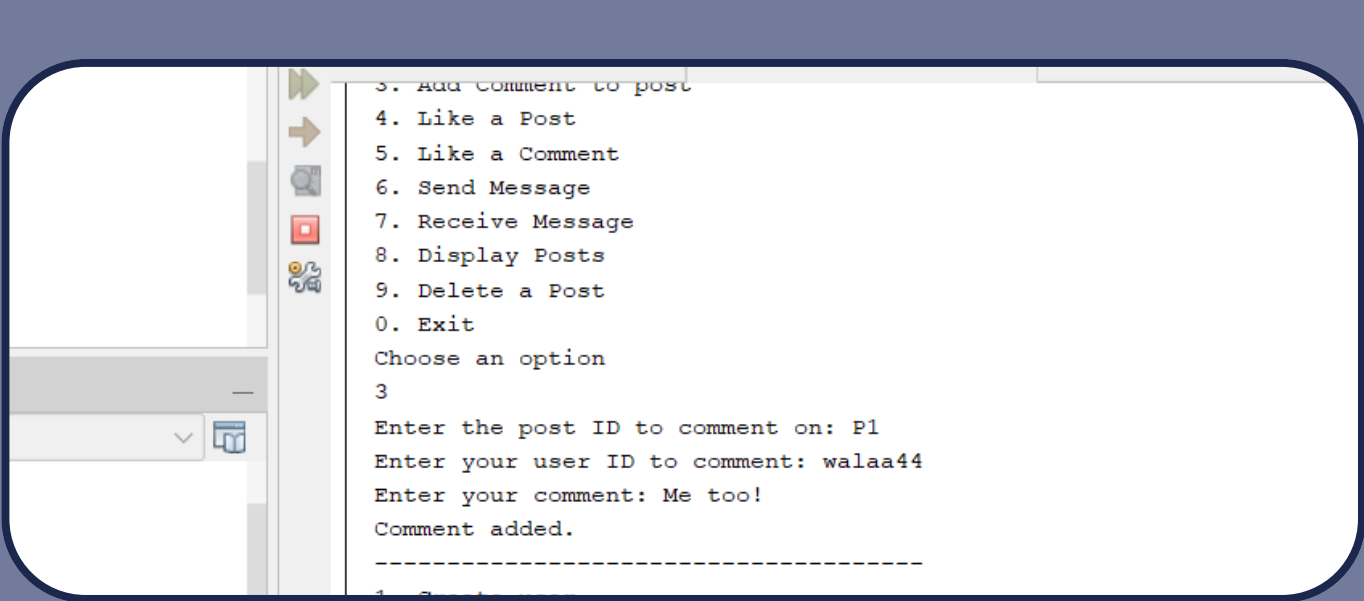
- *Here we have created another user:*



- *We have created a post here:*



- *We have, here is another user commenting on the post:*



- *Here's another user who liked the post:*

```
3. Add Comment to post
4. Like a Post
5. Like a Comment
6. Send Message
7. Receive Message
8. Display Posts
9. Delete a Post
0. Exit
Choose an option
4
Enter post ID to like: P1
Enter your user ID to like the post: Walaa44
Walaa liked the post: Post(postId='P1', title='I love Programming', author=retaj, content='I love java!', likes=1)
Post liked successfully!
-----
```

- *Here the user likes one of the comments on the post:*

```
3. Add Comment to post
4. Like a Post
5. Like a Comment
6. Send Message
7. Receive Message
8. Display Posts
9. Delete a Post
0. Exit
Choose an option
5
Enter comment ID to like: C2
Enter your user ID to like the comment: retaj22
retaj liked the comment: Comment(author=Walaa, content='Me too!', commentId='C2')
Comment liked successfully!
-----
```

- *Here the user displays one of the previously created posts using his own ID:*

```
6. Send Message
7. Receive Message
8. Display Posts
9. Delete a Post
0. Exit
Choose an option
8
Post ID: P1
Post Title: I love Programming
Author: Retaj
Content: I love Java
Likes: 1
Shares: 0
Comments:
Comment ID: C1
Comment by Walaa: Me too!
Likes: 1
```

- *Here the user entered a post ID to like (out of range):*

```
1. Create user
2. Create Post
3. Add Comment to post
4. Like a Post
5. Like a Comment
6. Send Message
7. Receive Message
8. Display Posts
9. Delete a Post
0. Exit
Choose an option
4
Enter post ID to like: P3
Post not found>~<
```

- *Here the user entered a character (out of range):*

```
1. Create user
2. Create Post
3. Add Comment to post
4. Like a Post
5. Like a Comment
6. Send Message
7. Receive Message
8. Display Posts
9. Delete a Post
0. Exit
Choose an option
S
Invalid input, please enter a number
```

- *Here the user sent a message:*

```
281 |         return;
282 |     }

Output - Run (SocialMediaMain) x
1. Create user
2. Create Post
3. Add Comment to post
4. Like a Post
5. Like a Comment
6. Send Message
7. Receive Message
8. Display Posts
9. Delete a Post
0. Exit
Choose an option
6
Enter your user ID: retaj22
Enter the recipient's user ID: Walaa44
Enter the message content: Hi Walaa,Do you like Programming?
Message sent.
-----
```

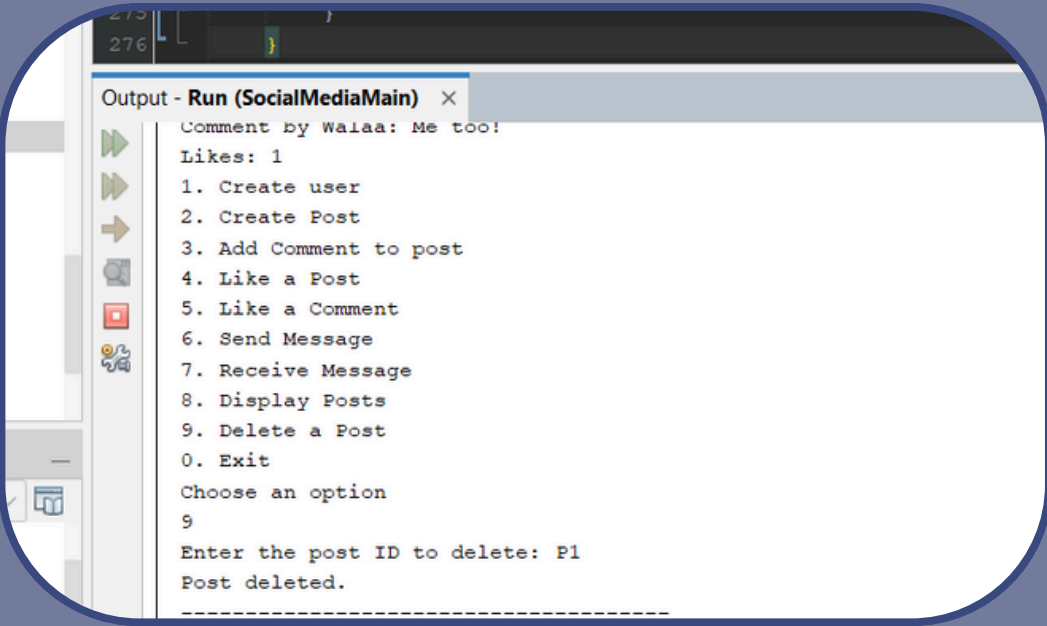
- *Here the user has viewed previously sent messages:*

```
1. Create user
2. Create Post
3. Add Comment to post
4. Like a Post
5. Like a Comment
6. Send Message
7. Receive Message
8. Display Posts
9. Delete a Post
0. Exit
Choose an option
7
Enter your user ID OF the person you want to view messages sant to: Walaa44
Messages received:
retaj: Hi Walaa,Do You Like Programming?
```

- *Here the user wanted to like one of the comments but the post is not there:*

```
-----
1. Create user
2. Create Post
3. Add Comment to post
4. Like a Post
5. Like a Comment
6. Send Message
7. Receive Message
8. Display Posts
9. Delete a Post
0. Exit
Choose an option
3
Enter the post ID to comment on: P2
Post not found>~<
```

- *Here the user deletes his own post:*



- *Here is the user trying to display post after deleting it:*



- *Here the user tries to send a message but the message recipient is not there:*



- *Here the user exits the platform:*

