

I WORK ON MY OWN.

Implemented Use Cases:

1. **Create Close Friend Group** executes

```
INSERT INTO CloseFriendGroup (groupName, groupOwner) VALUES (%s, %s)
```

```
INSERT INTO Belong (username, groupName, groupOwner) VALUES (%s, %s, %s)
```

Eg. user 'elainewyyy' creates a close friend group 'test_group_1'

Your Close Friend Group

Group Name	Group Owner	Add Friend	
test_group_1	elainewyyy	<input type="text" value="Friend's Username"/>	<input type="button" value="Add"/>

2. **Add friend** executes

-Check if the username exists:

```
SELECT * FROM Person WHERE username=%s
```

Error: This name does not exist.

-Check if the username already in that close friend group:

```
SELECT * FROM Belong WHERE username = %s AND groupName=%s
```

Error: This friend is already in this close friend group.

-Add valid username into close friend group

```
INSERT INTO Belong(username, groupOwner, groupName) VALUES (%s , %s, %s)
```

Eg. user elainewyyy adds user celia into close friend group test_group_1

Welcome elainewyyy

Post Here

No file chosen

To all Followers: ☐

Close Friend Group:

Your Close Friend Group

Group Name	Group Owner	Add Friend	
test_group_1	elainewyyy	<input type="text" value="celia"/>	<input type="button" value="Add"/>

Welcome celia

Post Here

No file chosen

To all Followers: ☐

Close Friend Group:

Your Close Friend Group

Group Name	Group Owner	Add Friend	
test_group_1	elainewyyy	<input type="text" value="Friend's Username"/>	<input type="button" value="Add"/>

3. Post a photo use case executes

When all_followers=1:

```
INSERT INTO Photo (photoOwner, timestamp, caption, allFollowers, filePath) VALUES (%s, %s, %s, %s, %s)
```

Eg. User elainewyy post a photo to all followers so user Cyndi can also see.

Welcome elainewyy

Post Here

Choose File WechatIMG329.jpeg

test_post_1

To all Followers: ☒

Close Friend Group: test_group_1

Upload

Welcome Cyndi

Post Here

Choose File No file chosen

Caption

To all Followers: ☐

Close Friend Group:

Upload

Your Close Friend Group

Group Name	Group Owner	Add Friend
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Create a Friend Group

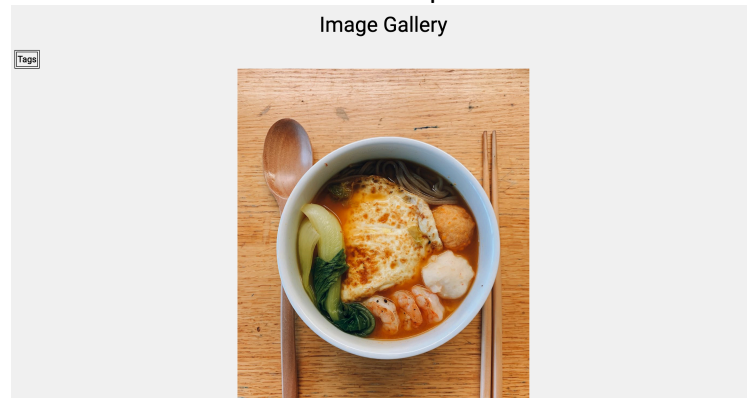
Name: Group Name

Create

Your Feeds

photo ID	Poster Username	Time	Caption	Tag	Detailed Info
1	celia	2019-04-04 19:59:10	test_post_1	Username	Tag View

Click "Detailed Info" link for the photo view



When all_followers=0:

```
INSERT INTO Photo (photoOwner, timestamp, caption, allFollowers, filePath) VALUES (%s, %s, %s, %s, %s)
```

```
SELECT groupOwner FROM CloseFriendGroup WHERE groupName=%
```

```
INSERT INTO Share (photoID,groupOwner,groupName) VALUES (%s,%s,%s)
```

Eg. User elainewyy post a photo to her group so that non-member Cyndi cannot see but member celia can see.

Welcome elainewyy

Post Here

Choose File WechatIMG330.jpeg

test_post_2

To all Followers: ☐

Close Friend Group: test_group_1

Upload

Welcome elainewyy

Post Here

Choose File No file chosen

Caption

To all Followers: ☐

Close Friend Group: test_group_1

Upload

Your Close Friend Group

Group Name	Group Owner	Add Friend
test_group_1	elainewyy	<div>Friend's Username <input type="text"/> Add</div>

Create a Friend Group

Name: Group Name

Create

Your Feeds

photo ID	Poster Username	Time	Caption	Tag	Detailed Info
1	elainewyy	2019-04-04 22:37:10	test_post_1	Username	Tag View
2	elainewyy	2019-04-04 22:37:10	test_post_2	Username	Tag View

Welcome celia

Post Here

Choose File | No file chosen

Caption

To all Followers: ☐

Close Friend Group: test_group_1

Your Close Friend Group

Group Name	Group Owner	Add Friend
test_group_1	elainewyy	<input type="text" value="Friend's Username"/> <input type="button" value="Add"/>

Create a Friend Group

Name:

Your Feeds

photo ID	Poster Username	Time	Caption	Tag	Detailed Info
1	elainewyy	2019-04-04 22:37:10	test_post_1	<input type="text" value="Username"/> <input type="button" value="Tag"/> <input type="button" value="View"/>	
2	elainewyy	2019-04-04 22:37:10	test_post_2	<input type="text" value="Username"/> <input type="button" value="Tag"/> <input type="button" value="View"/>	

Welcome Cyndi

Post Here

Choose File | No file chosen

Caption

To all Followers: ☐

Close Friend Group:

Your Close Friend Group

Group Name	Group Owner	Add Friend
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Create a Friend Group

Name:

Your Feeds

photo ID	Poster Username	Time	Caption	Tag	Detailed Info
1	elainewyy	2019-04-04 22:37:10	test_post_1	<input type="text" value="Username"/> <input type="button" value="Tag"/> <input type="button" value="View"/>	

4. View visible photos and info about them executes

```
'SELECT photoID, photoOwner, timestamp, filePath, caption FROM Photo WHERE ' \
      'photoID IN (SELECT photoID FROM Share NATURAL JOIN CloseFriendGroup WHERE \
      groupOwner=%s) ' \
      'OR photoID IN (SELECT photoID FROM Belong NATURAL JOIN Share NATURAL JOIN \
      CloseFriendGroup WHERE username=%s) ' \
      'OR photoID IN (SELECT photoID FROM Tag WHERE photoOwner=%s AND \
      acceptedTag=1) ' \
      'OR allFollowers=1 OR photoOwner=%s ORDER BY timestamp DESC'
```

Screenshots shown above.