Project Github: https://github.com/mb6386/Finstagram/tree/master/finstagram

Date of last commit to repository: Dec 08, 2019

Number of Team members: 1

Names and netIDs of Team members (one per line) Mark Bekker, mb6386

Extra Features for Project

- 1. Manage Follows (counts as 2 extra features)
- 2. Mark Bekker
- 3. The code snippet and SQL statements that do the bulk of the work for part A)

```
followedUsername = requestData["username"]
followQuery = "INSERT INTO Follow (username_followed, username_follower, followstatus) VALUES (%s, %s, %s)"
try:
    with connection.cursor() as cursor:
        cursor.execute(followQuery, (followedUsername, session["username"], 0))
        followSuccess = 1
except:
    followSuccess = 2

requestQuery = f"""SELECT username_follower FROM Follow WHERE username_followed =
'{session["username"]}' AND followstatus = 0"""
with connection.cursor() as cursor:
    cursor.execute(requestQuery)
    requestData = cursor.fetchall()
```

followQuery = "INSERT INTO Follow (username_followed, username_follower, followstatus) VALUES (%s, %s %s)"

requestQuery = f"""SELECT username_follower FROM Follow WHERE username_followed = '{session["username"]}' AND followstatus = 0"""

The code snippet and SQL statements that do the bulk of the work for part B)

addQuery = f"""UPDATE FOLLOW SET followstatus=1 WHERE username_followed='{session["username"]}' AND username_follower = '{name}'"""

removeQuery = f"""DELETE FROM Follow WHERE username_followed='{session["username"]}'
AND followstatus = 0"""

4. The full implementation can be found at the following link: https://github.com/mb6386/Finstagram/tree/master/finstagram Within app.py, search for the

function "def followUser()" for part A and "def followAccept()" for part B for the code and queries. Also look at home.html in the templates folder on my github link for the html code.

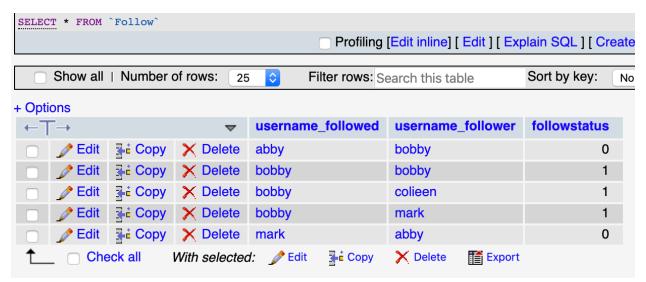
5. Here is the feature demonstrated on the home page (I am currently logged in as "abby"):



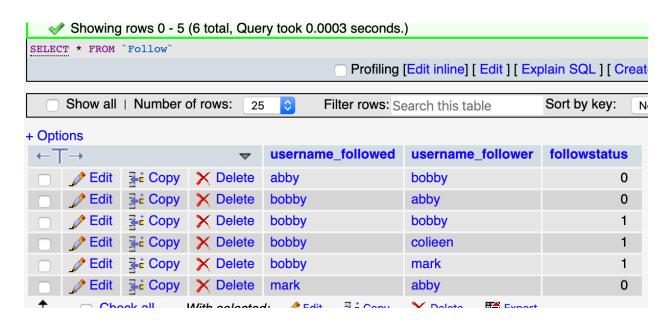
I can type in a user's name that I want to follow and send them a request and I can accept and deny follow requests from user's sent to my account.

	Hello, abby!
Hello, abby!	Approve or deny the following user's follow requests
Approve or deny the following user's follow requests	• bobby
• bobby \square	Submit
Submit	Type in the name of a user you want to follow below
Type in the name of a user you want to follow below	Submit
bobby	Follow request sent to bobby!
<u>View Images</u><u>Upload an Image</u><u>Logout</u>	 <u>View Images</u> <u>Upload an Image</u> <u>Logout</u>

After sending a follow request to bobby, the home page alerts me the request was sent and the request appears within the database:



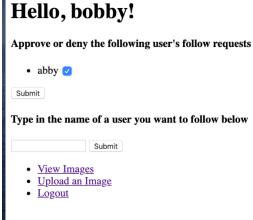
The above screenshot is before the request ^



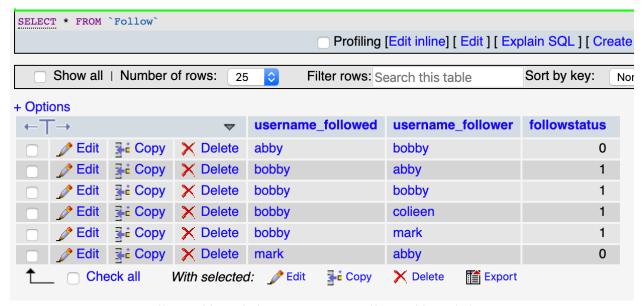
The above screenshot is after the request ^. As you can see the tuple ('bobby','abby',0) was added.

Now if I log onto bobby's account and view the home page I can see the request from abby (below):





When I check the box for abby and hit submit from bobby's homepage, bobby has now approved abby's follow request to him. This change is visible in the data table:



The tuple that was once ('bobby','abby',0) has now become ('bobby','abby',1) indicating that abby's follow request to bobby has been approved and she now follows his account.