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CS460 – PA1

November 2, 2016

Photoshare

The PhotoShare database is a website where users can make an account, upload pictures, like

pictures and comment on other user’s pictures.

**To run Photoshare**

**(Works better in python2.7 than 3.5)**

1.Run schema.sql -

Instructions to run schema.sql

Once you open Photoshare-Skeleton on the terminal, enter the following commands,

PATH=${PATH}:/usr/local/mysql/bin

mysql -u root -h 127.0.0.1 –p OR mysql –u root –p

You will be asked to enter your mysql password 🡪 need to have mysql downloaded and an account

After entering your password, continue with the following commands

source ./schema.sql

Now, the file schema.sql is working

2.Run app.py using flask

Once you open Photoshare-Skeleton on the terminal, enter the following commands,

export FLASK\_APP=app.py OR python2.7 app.py

flask run

This will give you the http address on which photoShare is running.

Take that address and run it on the browser.

You will now be at the home page of photoShare

The folder Photoshare-Skeleton has been submitted.

**It contains the following files:**

**schema.sql**

This file contains the sql tables for all the entities and the relationships and the constraints on the

Relationships.

**5 entities:**

* Users(user\_id, email, password, first\_name, last\_name, dob, gender, hometown)
* Pictures(picture\_id, imgdata, caption)
* Album(album\_id, name)
* Tags(tag\_id, key\_word)
* Comments(comment\_id, comment\_text)

**8 relationships:**

* Contains(date\_added, picture\_id, album\_id)
* Friends\_with(since, user\_id1, user\_id2)
* Comment\_on(comment\_date, comment\_id, picture\_id)
* Likes(date\_liked, picture\_id, user\_id)
* Makes(date\_made, user\_id, comment\_id)
* Creates(dat\_created, album\_id, user\_id)
* Has(tag\_id, picture\_id)
* Forms(date\_formed, tag\_id, user\_id)

**app.py**

This file has the definition and implementation of all the functionalities of PhotoShare.

The functions in app.py let the users to make an account, login and logout. It also has the functions

that let the users to make friends with other users in photoshare, like upload and like pictures.

A user can view other user’s albums and comment on their pictures. A user can look at all pictures associated with a particular tag by just clicking on the picture.

For suggestions, the user gets a list of all the pictures he may like on the home page when he is logged in. All other functionalities are also defined in app.py.

**Templates**

**hello.html**:

Contains the home page for photoshare. It has hrefs like profile, the option to search for photos by tags or to search for users by their emails, that help to navigate in the photosphere. Any user anonymous or registered who accesses photosphere can view this page.

**view\_album.html:**

Referred to in app.py. It allows the users to see the number of like, number of comments, caption and tags related to a picture. It gives the option to the user to delete his own pictures. A user is not allowed to delete other user’s pictures.

**albums.html:**

Allows the users to view all the albums uploaded by him and all the albums uploaded by other users. The user can also view all the pictures in each album. The user does not have to be logged in to view albums.

**register.html:**

Contains the information from the user when he makes an account in photoshare. He enter his information which is then displayed when the user clicks on Profile on the home page of photoshare. This information is also displayed when other users search for this user by email.

**friends.html:**

Referred to in app.py to list all the friends of the user. A user cannot be friends with himself. A user can click on the ‘List Friends’ on the home page to view all his friends. A user has to logged in to view his friends.

**Add\_friends.html**:

Allows the users to add the users as friends from the email. If a user wants to list his friends, the option for add\_friends will be on the page. A user can enter the email of the user he wants to be friends with. Photoshare will add that user and disply all the friends of the user including the most recently added friend.

**unauth.html:**

Asks the user to login or make an account before he can upload photos, view profile or list friends.